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TABULATIONS OF CONFIGURATION FACTORS BETWEEN ANY TWO SPHERES AND THEIR PARTS

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TABULATIONS OF CONFIGURATION FACTORS BETWEEN ANY TWO SPHERES AND THEIR PARTS

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TABULATIONS OF CONFIGURATION FACTORS BETWEEN ANY TWO SPHERES AND THEIR PARTS

by Norman T. Grier

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SUMMARY

Tables of values of the configuration factors between two spheres, between parts of one sphere and parts of another sphere, and between a point on one sphere and parts of another sphere are presented. The parts are areas that subtend angles that are multiples of 15° in both the colatitudinal and longitudinal directions. The equations are derived in the bispherical coordinate system. Values are presented for the ratio of radii r_2/r_1 of the spheres from 0.01 to 1.00. The distance between centers of spheres was varied from $(1.001 + r_2/r_1)r_1$ to $100r_1$, where r_1 is the radius of the larger sphere. Conditions corresponding to the Earth-Moon situation are also included in the calculations.

INTRODUCTION

One of the chief problems in treating radiative heat transfer between two surfaces is in accounting for the geometric relations involved in how the surfaces view each other, that is, the determination of the geometric configuration factor. Mathematically, this involves an integration of the radiation interchanged over finite areas involved in the exchange process. In all but the simplest geometries, the integration is difficult, if not impossible, to obtain in closed form.

In this report, the data for the geometric configuration factors are presented for two spheres and between parts of the two spheres. The configuration factors between two spheres have been computed previously by Jones (ref. 1), Campbell and McConnell (ref. 2), and Watts (ref. 3). In each of these reports, only a limited number of the variable parameters was varied. Jones (ref. 1) calculated the configuration factors between equal and unequal radii for separation distances up to eight times the radius of the larger sphere. The configuration factors between parts of a sphere were not considered.

Campbell and McConnell calculated the configuration factors between two spheres and between a ring on one sphere and a sphere. In all cases, the spheres were of equal radii and parts other than rings were not considered. Watts (ref. 3) computed the configuration factors between two spheres where one sphere is much larger than the other (such as a satellite-Earth situation). Watts also does not consider parts of a sphere. In this report, the configuration factors between two spheres or parts (including rings) of two spheres of equal and unequal radii are given. The distance between the centers of the spheres varied from $1.001 + r_2/r_1$ to 100 times the radius r_1 of the larger sphere. (All symbols are defined in the appendix.)

Bispherical coordinates are used in the calculations. The advantage of using this system of coordinates is that the two spheres are coordinate surfaces of this system. Therefore, the limits of integration can easily be obtained by vector analysis.

ANALYSIS

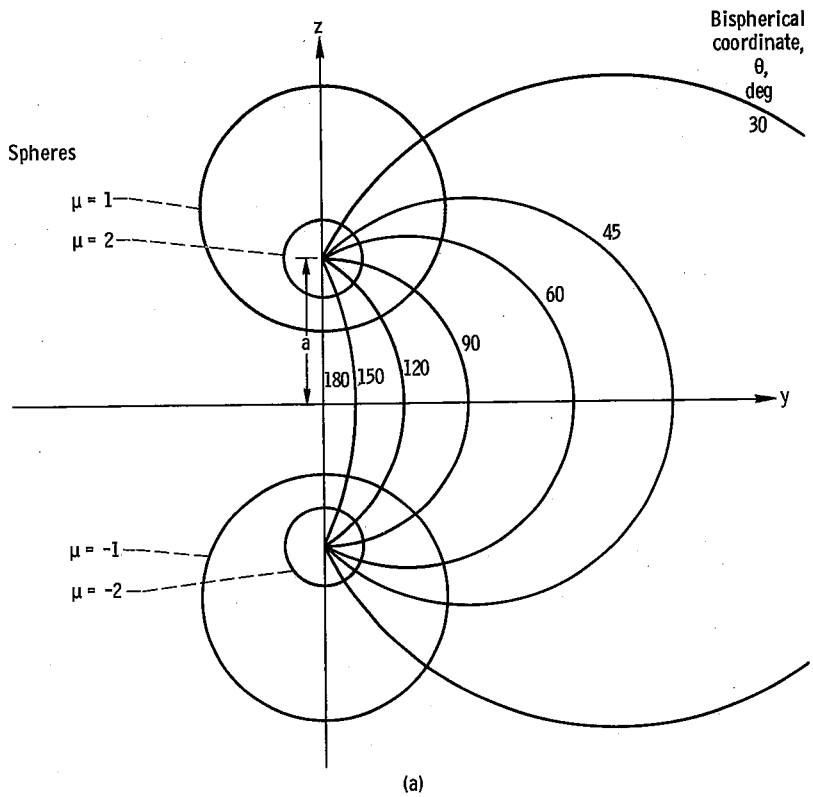
Bispherical Coordinates

The bispherical coordinates used in this report are μ, θ, and φ. Morse and Feshbach (ref. 4) give the Cartesian coordinates x, y, and z in terms of the bispherical coordinates as

$$\left.\begin{aligned} x &= \frac{a \cos \varphi \sin \theta}{\cosh \mu - \cos \theta} \\ y &= \frac{a \sin \varphi \sin \theta}{\cosh \mu - \cos \theta} \\ z &= \frac{a \sinh \mu}{\cosh \mu - \cos \theta} \end{aligned}\right\} \tag{1}$$

where a is a parameter that determines the physical scale of the coordinate system.

The orthogonal surfaces of the system are as follows (see sketch (a)):



(a)

(1) Spheres, for constant μ. The equation of the spheres is

$$\frac{\left(x^2 + y^2 + z^2 + a^2\right)^2}{\cosh^2 \mu} - \frac{4a^2 z^2}{\cosh^2 \mu - 1} = 0 \tag{2}$$

These spheres have a radius of $|a/\sinh \mu|$ with centers at $(0, 0, \pm|a \coth \mu|)$.

(2) The surface generated when a circle of radius $a/(1 - \cos^2\theta)^{1/2}$ in a plane including the z-axis is revolved about the z-axis for constant θ. The equation of these surfaces is

$$\frac{\left(x^2 + y^2 + z^2 - a^2\right)^2}{\cos^2 \theta} - \frac{4a^2(x^2 + y^2)}{1 - \cos^2 \theta} = 0 \tag{3}$$

The center of the circle is located in the plane $z = 0$, a distance $|a \cot \theta|$ from the origin.

(3) Planes perpendicular to the x, y plane and containing the z-axis, for constant φ. The positive x-half of the plane $y = 0$ is considered the plane $\varphi = 0$. The other φ-

planes are measured counterclockwise from this plane in the sense of the advance of a right-handed screw in the direction of positive z.

The constant μ-surfaces and the constant θ-surfaces in the z, y plane are shown in sketch (a). The cross sections of the spheres are drawn in the planes $\varphi = 90^{o}$ and $\varphi = 270^{o}$. The constant θ-lines are only drawn in the planes $\varphi = 90^{o}$ or $x = 0$. The constant μ- and θ-surfaces are generated by revolving these lines about the z-axis, that is, letting φ take on all values between zero and 2π.

Unit vectors of bispherical coordinate system. - Let $\hat{a}_{\mu}$, $\hat{a}_{\theta}$, and $\hat{a}_{\varphi}$ be the unit vectors in the bispherical coordinate system. Then (ref. 4)

$$\hat{a}_n = \gamma_{n1}\hat{i} + \gamma_{n2}\hat{j} + \gamma_{n3}\hat{k} \tag{4a}$$

where

$$n = \mu, \theta, \varphi \tag{4b}$$

$$\left.\begin{aligned} \gamma_{n1} &= \frac{1}{h_n}\frac{\partial x}{\partial \xi_n} \\ \gamma_{n2} &= \frac{1}{h_n}\frac{\partial y}{\partial \xi_n} \\ \gamma_{n3} &= \frac{1}{h_n}\frac{\partial z}{\partial \xi_n} \end{aligned}\right\} \tag{5}$$

$$\left.\begin{aligned} \xi_{\mu} &= \cosh \mu \\ \xi_{\theta} &= \cos \theta \\ \xi_{\varphi} &= \cos \varphi \end{aligned}\right\} \tag{6}$$

$$\left.\begin{aligned} h_\mu &= \frac{a}{\sinh \mu(\cosh \mu - \cos \theta)} \\ h_\theta &= \frac{a}{\sin \theta(\cosh \mu - \cos \theta)} \\ h_\varphi &= \frac{a \sin \theta}{\sin \varphi(\cosh \mu - \cos \theta)} \end{aligned}\right\} \tag{7}$$

Equations (1), (5), (6), and (7) can be used to write equation (4) as a matrix:

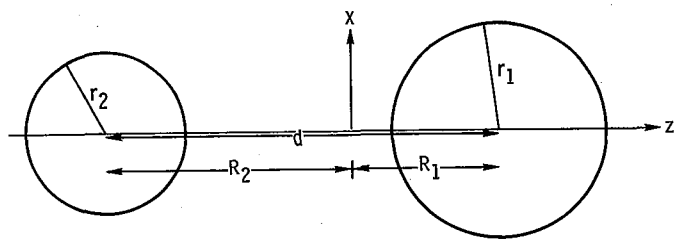
$$\begin{pmatrix} \hat{a}_\mu \\ \hat{a}_\theta \\ \hat{a}_\varphi \end{pmatrix} = \begin{pmatrix} -\frac{\cos \varphi \sin \theta \sinh \mu}{\cosh \mu - \cos \theta} & -\frac{\sin \varphi \sin \theta \sinh \mu}{\cosh \mu - \cos \theta} & \frac{1 - \cosh \mu \cos \theta}{\cosh \mu - \cos \theta} \\ \frac{\cos \varphi(1 - \cosh \mu \cos \theta)}{\cosh \mu - \cos \theta} & \frac{\sin \varphi(1 - \cosh \mu \cos \theta)}{\cosh \mu - \cos \theta} & \frac{\sinh \mu \sin \theta}{\cosh \mu - \cos \theta} \\ \sin \varphi & -\cos \varphi & 0 \end{pmatrix} \begin{pmatrix} \hat{i} \\ \hat{j} \\ \hat{k} \end{pmatrix} \tag{8}$$

Since the bispherical system is an orthogonal system, $\hat{i}$, $\hat{j}$, and $\hat{k}$ can be obtained in terms of $\hat{a}_\mu$, $\hat{a}_\theta$, and $\hat{a}_\varphi$ by using the transpose matrix of (8):

$$\begin{pmatrix} \hat{i} \\ \hat{j} \\ \hat{k} \end{pmatrix} = \begin{pmatrix} -\frac{\sinh \mu \sin \theta \cos \varphi}{\cosh \mu - \cos \theta} & \frac{\cos \varphi(1 - \cosh \mu \cos \theta)}{\cosh \mu - \cos \theta} & \sin \varphi \\ -\frac{\sinh \mu \sin \theta \sin \varphi}{\cosh \mu - \cos \theta} & \frac{\sin \varphi(1 - \cosh \mu \cos \theta)}{\cosh \mu - \cos \theta} & -\cos \varphi \\ \frac{1 - \cosh \mu \cos \theta}{\cosh \mu - \cos \theta} & \frac{\sin \theta \sinh \mu}{\cosh \mu - \cos \theta} & 0 \end{pmatrix} \begin{pmatrix} \hat{a}_\mu \\ \hat{a}_\theta \\ \hat{a}_\varphi \end{pmatrix} \tag{9}$$

Relation of $\cosh \mu$ to r_2/r_1 and d/r_1. - The hyperbolic cosine of μ is directly related to the ratio r_2/r_1 of radii of the two spheres and to the ratio d/r_1 of the distance between centers of the two spheres to r_1. These relations are derived in this section.

Let r_1 always be the radius of the larger sphere. Let d be the distance between centers of the two spheres. Let R_1 and R_2 be the distances from the centers of spheres 1 and 2 to the origin, respectively (sketch (b)). Let the center of sphere 2 al-



(b)

ways be on the negative z-axis. This can be accomplished mathematically by letting the μ defining sphere 2 be negative. This can be seen by noting that all points of this sphere have negative values for their z-coordinates. From equation (1), if μ is negative, z is also negative. From equation (2),

$$\left.\begin{aligned} R_1 &= \frac{a \cosh \mu_1}{\sinh \mu_1} \\ R_2 &= \left| \frac{a \cosh \mu_2}{\sinh \mu_2} \right| \end{aligned}\right\} \tag{10a}$$

$$\left.\begin{aligned} r_1 &= \frac{a}{\sinh \mu_1} \\ r_2 &= \left| \frac{a}{\sinh \mu_2} \right| \end{aligned}\right\} \tag{10b}$$

Therefore,

$$\frac{d}{r_1} = \frac{R_1}{r_1} + \frac{R_2}{r_1} = \cosh \mu_1 + \frac{r_2}{r_1} \cosh \mu_2 \tag{11}$$

Now from equations (10b),

$$\frac{r_2}{r_1} = \frac{\sinh \mu_1}{\sinh \mu_2} = \left(\frac{\cosh^2 \mu_1 - 1}{\cosh^2 \mu_2 - 1} \right)^{1/2} \tag{12}$$

so that

$$\cosh^2 \mu_1 = 1 + \frac{r_2^2}{r_1^2}\left(\cosh^2 \mu_2 - 1\right) \tag{13}$$

From equation (11),

$$\cosh^2 \mu_1 = \left(\frac{d}{r_1} - \frac{r_2}{r_1} \cosh \mu_2\right)^2 \tag{14}$$

Equating (13) and (14) and solving for $\cosh \mu_2$ yield

$$\cosh \mu_2 = \frac{1}{2} \frac{r_1}{r_2}\left[\frac{d}{r_1} - \frac{r_1}{d}\left(1 - \frac{r_2^2}{r_1^2}\right)\right] \tag{15}$$

Substituting equation (15) into equation (11) gives

$$\cosh \mu_1 = \frac{1}{2}\left[\frac{d}{r_1} + \frac{r_1}{d}\left(1 - \frac{r_2^2}{r_1^2}\right)\right] \tag{16}$$

Equations (15) and (16) give $\cosh \mu_2$ and $\cosh \mu_1$ in terms of the ratio of the radii of the two spheres and the ratio of the distances between centers to the radius of the larger sphere. Once r_2/r_1, d/r_1, and the radius of either sphere are specified, a can be found from equation (10b) by using equation (15) or (16).

Configuration Factor in Bispherical Coordinates

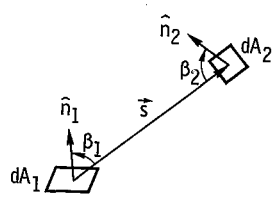
Howell and Siegel (ref. 5) give the equation for the configuration factor between a differential area element dA_1 and a finite area A_2 as

$$F_{dA_1\text{-}A_2} = \int_{A_2} \frac{\cos \beta_1 \cos \beta_2}{\pi |\vec{S}|^2} dA_2 \tag{17}$$

and the configuration factor between a finite area A_1 and another finite area A_2 as

$$F_{A_1\text{-}A_2} = \frac{1}{A_1} \int_{A_1} \int_{A_2} \frac{\cos \beta_1 \cos \beta_2}{\pi |\vec{S}|^2} \, dA_2 \, dA_1 \tag{18}$$

where β_1 is the angle between the normal of dA_1 and $\vec{S}$, and β_2 is the angle between the normal of dA_2 and $\vec{S}$, with $\vec{S}$ the vector distance from dA_1 to dA_2 (see sketch (c)).



(c)

On the spheres, $\hat{n}_1 = \hat{a}_{\mu_1}$ and $\hat{n}_2 = \hat{a}_{\mu_2}$, so that

$$\cos \beta_1 = \frac{\left|\vec{S} \cdot \hat{a}_{\mu_1}\right|}{|\vec{S}|} \tag{19a}$$

and

$$\cos \beta_2 = \frac{\left|\vec{S} \cdot \hat{a}_{\mu_2}\right|}{|\vec{S}|} \tag{19b}$$

Now

$$\vec{S} = (x_2 - x_1)\hat{i} + (y_2 - y_1)\hat{j} + (z_2 - z_1)\hat{k} \tag{20}$$

so that

$$|\vec{S}|^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2 + (z_2 - z_1)^2 \tag{21}$$

where x_1, y_1, z_1 and x_2, y_2, z_2 are the Cartesian coordinates of dA_1 and dA_2, respectively. Substitution of equation (1) for the Cartesian coordinates in equation (21) gives, after simplification,

$$|\vec{S}|^2 = \frac{2a^2\left[\cosh(\mu_2 - \mu_1) - \cos\theta_1 \cos\theta_2 - \sin\theta_1 \sin\theta_2 \cos(\varphi_2 - \varphi_1)\right]}{(\cosh\mu_2 - \cos\theta_2)(\cosh\mu_1 - \cos\theta_1)} \tag{22}$$

where μ_1 and μ_2 are constant and $\mu_2 < 0$ for the sphere-sphere configuration. The same substitution of equation (1) can be made for the Cartesian coordinates in equation (20) together with the substitution of equation (9) for the unit vectors. Finally, substitution of equations (20) and (21) into the expressions for $\cos\beta_1$ and $\cos\beta_2$ (eqs. (19a) and (19b)) gives

$$\cos\beta_1 = \frac{a}{|\vec{S}|(\cosh\mu_1 - \cos\theta_1)(\cosh\mu_2 - \cos\theta_2)} \times \left\{\sinh\mu_1\left[\sin\theta_1 \sin\theta_2 \cos(\varphi_2 - \varphi_1) + \cos\theta_1 \cos\theta_2\right] - \sinh\mu_2 + \cos\theta_1 \sinh(\mu_2 - \mu_1)\right\} \tag{23}$$

and

$$\cos\beta_2 = \frac{a}{|\vec{S}|(\cosh\mu_1 - \cos\theta_1)(\cosh\mu_2 - \cos\theta_2)} \times \left\{\sinh\mu_2\left[\cos\theta_1 \cos\theta_2 + \sin\theta_1 \sin\theta_2 \cos(\varphi_2 - \varphi_1)\right] - \sinh\mu_1 + \cos\theta_2 \sinh(\mu_1 - \mu_2)\right\} \tag{24}$$

The differential element dA of a sphere in bispherical coordinates is

$$dA = h_\theta \, d\xi_\theta h_\varphi \, d\xi_\varphi$$

Substitution of equation (7) for h_θ and h_φ gives

$$dA = \frac{a^2 \sin\theta \, d\varphi \, d\theta}{(\cosh\mu - \cos\theta)^2} \tag{25}$$

Configuration factor between a differential element dA on sphere 1 and all sphere 2. - The configuration factor between a differential elemental area dA_1 on a sphere and another sphere of area A_2 is obtained by substituting equation (25) into equation (17) and integrating over the complete range of θ_2 and φ_2 that is within the line of sight of dA_1

$$F_{dA_1\text{-}S} = \int_{\theta_{2,\min}}^{\theta_{2,\max}} \int_{\varphi_{2,\min}}^{\varphi_{2,\max}} \frac{a^2 \cos\beta_1 \cos\beta_2 \sin\theta_2 \, d\varphi_2 \, d\theta_2}{\pi |\vec{S}|^2 (\cosh\mu_2 - \cos\theta_2)^2} \tag{26}$$

where $\theta_{2,\min}$, $\theta_{2,\max}$, $\varphi_{2,\min}$, and $\varphi_{2,\max}$ are the maximum and minimum values of θ_2 and φ_2 that can be "seen" from dA_1. Before these limits can be obtained, the range of the coordinate θ_1 for dA_1 that can "see" any of the second sphere must first be determined. This is done in the next section.

Range for θ_1 for dA_1. - Let α_1 be the angle between radius vector r_1 of sphere 1 and a line drawn through the centers of the two spheres. Let α_2 be a similar angle for sphere 2. Let a line L be drawn tangent to both spheres in a constant φ-plane. Note that L touches sphere 1 at some coordinate θ_1, φ and touches sphere 2 at some coordinate θ_2, φ, where the coordinate φ is the same for the two spheres. The general case where $r_1 \geq r_2$ is now considered. Therefore, if the line L is extended, it will eventually intersect the z-axis or go to infinity. Let the z-coordinate of the point where L intersects the z-axis have the magnitude $|z_o|$. Let $\alpha_1^{\max}$ and $\alpha_2^{\max}$ be the values of α_1 and α_2 of the points where L touches sphere 1 and sphere 2, respectively. Then (see sketch (d))

$$\cos\alpha_1^{\max} = \frac{r_1}{R_1 + |z_o|} \tag{27}$$

and

$$\cos\alpha_1^{\max} = \frac{r_2}{|z_o| - R_2} \tag{28}$$

where R_1 and R_2 are the distances from the centers of spheres 1 and 2 to the origin, respectively. Equating (27) and (28) and solving for z_o yield

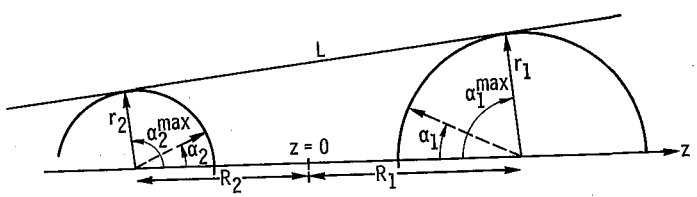
$$z_o = \frac{r_1 R_2 + r_2 R_1}{r_1 - r_2} \tag{29}$$

Substitution of equations (29) and (10a) into equation (27) yields

$$\cos \alpha_1^{max} = \frac{1 - \frac{r_2}{r_1}}{\cosh \mu_1 + \frac{r_2}{r_1} \cosh \mu_2} \tag{30}$$

The relation of α to θ is derived in the next section.

Relation of α to θ. - The configuration factors are more convenient in terms of α as the parameter rather than θ. This section is devoted to the derivation of the relations of α to θ. From sketch (d),



(d)

$$\cos \alpha_i = \frac{R_i - z_i}{r_i} \tag{31}$$

where $i = 1$ for sphere 1 and $i = 2$ for sphere 2. Substituting equation (10a) for R_i and equation (1) for z_i yields

$$\cos \alpha_i = \frac{1 - \cosh \mu_i \cos \theta_i}{\cosh \mu_i - \cos \theta_i} \tag{32}$$

This equation can be solved for θ_i in terms of α_i to give

$$\cos \theta_i = \frac{1 - \cosh \mu_i \cos \alpha_i}{\cosh \mu_i - \cos \alpha_i} \tag{33}$$

so that when either α or θ is specified on a sphere, the other may be obtained.

One interesting property of θ and α is that when $\alpha_1 = \alpha_1^{max}$ (eq. 30), the corresponding θ_1^{min} is equal to θ_2^{min}, where θ_2^{min} corresponds to α_2^{max}. To see this, it is noted that $\alpha_2^{max} = \pi - \alpha_1^{max}$. Therefore, from equation (30)

$$\cos \alpha_2^{max} = \frac{-\left(1 - \frac{r_2}{r_1}\right)}{\cosh \mu_1 + \frac{r_2}{r_1} \cosh \mu_2} \tag{34}$$

Now

$$\cos \theta_1^{min} = \frac{1 - \cos \alpha_1^{max} \cosh \mu_1}{\cosh \mu_1 - \cos \alpha_1^{max}} \tag{35}$$

Substituting equation (30) into equation (35) yields

$$\cos \theta_1^{min} = \frac{\frac{r_2}{r_1} (\cosh \mu_2 + \cosh \mu_1)}{\sinh^2 \mu_1 + \frac{r_2}{r_1} (\cosh \mu_2 \cosh \mu_1 + 1)} \tag{36}$$

Similarly,

$$\cos \theta_2^{min} = \frac{1 - \cosh \mu_2 \cos \alpha_2^{max}}{\cosh \mu_2 - \cos \alpha_2^{max}} \tag{37}$$

Substituting equation (34) into equation (37) yields

$$\cos \theta_2^{\min} = \frac{\frac{r_2}{r_1}(\cosh \mu_1 + \cosh \mu_2)}{\frac{r_2}{r_1}(\cosh \mu_2 \cosh \mu_1 + 1) + \frac{r_2^2}{r_1^2}\sinh^2 \mu_2} \tag{38}$$

From equation (10b)

$$\frac{r_2^2}{r_1^2} = \frac{\sinh^2 \mu_1}{\sinh^2 \mu_2} \tag{39}$$

Substituting equation (39) into equation (38) yields

$$\cos \theta_2^{\min} = \frac{\frac{r_2}{r_1}(\cosh \mu_1 + \cosh \mu_2)}{\frac{r_2}{r_1}(\cosh \mu_2 \cosh \mu_1 + 1) + \sinh^2 \mu_1} \tag{40}$$

Comparing equations (40) and (36) shows that

$$\cos \theta_2^{\min} = \cos \theta_1^{\min}$$

or

$$\theta_2^{\min} = \pm \theta_1^{\min} \tag{41}$$

From sketch (a), it is apparent that all points in space may be reached by letting θ range from zero to π and φ from zero to 2π, so that only the plus sign is needed. Therefore, θ_1 and θ_2 lie in the range

$$\theta_1^{\min} \leq \theta \leq \pi \tag{42}$$

Limits of θ_2 and φ_2. - For a value of θ_1 in the permissible range given in the preceding section, the limits for θ_2 and φ_2 occur when either $\cos \beta_1$ or $\cos \beta_2$ is

zero. Setting $\cos \beta_1 = 0$ yields, from equation (23),

$$\cos \theta_2 = \frac{\sinh \mu_2 - \cos \theta_1 \sinh(\mu_2 - \mu_1)}{\sinh \mu_1 \left[\sin^2 \theta_1 \cos^2(\varphi_2 - \varphi_1) + \cos^2 \theta_1\right]}$$

$$\times \left(\cos \theta_1 \pm \sin \theta_1 \cos(\varphi_2 - \varphi_1) \left\{ \frac{\sinh^2 \mu_1 \left[\sin^2 \theta_1 \cos^2(\varphi_2 - \varphi_1) + \cos^2 \theta_1\right]}{\left[\sinh \mu_2 - \cos \theta_1 \sinh(\mu_2 - \mu_1)\right]^2} - 1 \right\}^{1/2} \right) \tag{43}$$

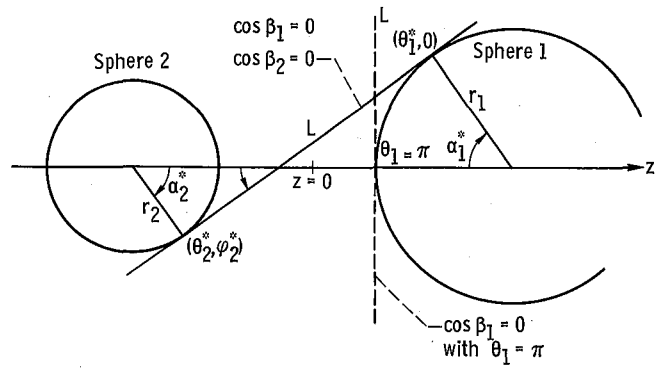
For $\cos \beta_2 = 0$,

$$\cos \theta_2 = \frac{\cos \theta_1 \sinh \mu_2 + \sinh(\mu_1 - \mu_2)}{\left[\cos \theta_1 \sinh \mu_2 + \sinh(\mu_1 - \mu_2)\right]^2 + \sin^2 \theta_1 \cos^2(\varphi_2 - \varphi_1) \sinh^2 \mu_2}$$

$$\times \left(\sinh \mu_1 \pm \sinh \mu_2 \sin \theta_1 \cos(\varphi_2 - \varphi_1) \left\{ 1 - \frac{\sinh^2 \mu_1 - \sin^2 \theta_1 \cos^2(\varphi_2 - \varphi_1) \sinh^2 \mu_2}{\left[\cos \theta_1 \sinh \mu_2 + \sinh(\mu_1 - \mu_2)\right]^2} \right\}^{1/2} \right) \tag{44}$$

The limits can further be isolated by the following reasoning; when $\theta_1 = \pi$, the solution must correspond to $\cos \beta_2 = 0$. This is so since a line tangent at θ_1 is a line parallel to the x, y plane and, therefore, cannot intersect sphere 2. For the remainder of this section on limits of θ_2 and φ_2, let $\varphi_1 = 0$. Then, $\varphi_2 - \varphi_1 = \varphi_2$. There is no loss of generality if it is remembered that φ_2 is measured relative to φ_1.

If θ is decreased from a value of π, a line L that is tangent at θ_1 will eventually start intersecting sphere 2. The moment that this occurs, the line L will be tangent to both spheres. In sketch (e), the dashed line L is the tangent line to sphere 1 when $\theta_1 = \pi$. The solid line L is the tangent line to sphere 1 at a θ_1 corresponding to $\cos \beta_1 = \cos \beta_2 = 0$. In the sketch, L is drawn so that it touches sphere 2 at $\varphi_2 = \pi$. Similar sketches can be drawn for other values of φ_2. Herein, the values of θ_1, θ_2, and φ_2 corresponding to $\cos \beta_1 = \cos \beta_2 = 0$ are signified by θ_1^*, θ_2^*, and φ_2^*. The significance of these values is that if $\varphi_2 = \varphi_2^*$ and $\theta_1 < \theta_1^*$, the limit is determined by $\cos \beta_1 = 0$ (eq. (43)) and this solution has a value of θ_2 greater than θ_2^*.



(e)

The quantities θ_1^*, θ_2^*, and φ^* can be obtained first by noting that the largest value that θ_1^* may have corresponds to a value of φ_2^* of 180°. (Remember that φ_2 is measured relative to φ_1 and here $\varphi_1 = 0$ is still assumed.) This value can easily be obtained from the geometry of sketch (e) as

$$\cos \alpha_1^* = \frac{r_1}{d}\left(1 + \frac{r_2}{r_1}\right) \tag{45}$$

Using equations (33) and (45) gives

$$\cos \theta_1^* = \frac{1 - \frac{r_1}{d}\left(1 + \frac{r_2}{r_1}\right)\cosh \mu_1}{\cosh \mu_1 - \frac{r_1}{d}\left(1 + \frac{r_2}{r_1}\right)} \tag{46}$$

From equations (45), (15), (16), and the fact that $\cos \alpha_2^* = \cos \alpha_1^*$ for $\varphi_2 = 180^\circ$, it follows that

$$\cos \theta_2^* = -\cos \theta_1^* \tag{47}$$

or

$$\theta_2^* = 2\pi - \theta_1^*$$

For the other values of θ_1^*, θ_2^*, and φ_2^*, equations (23) and (24) are set to zero and solved simultaneously to yield

$$\cos \theta_2^* = \frac{r_1}{r_2} \cos \theta_1^* - \frac{r_1}{r_2} \frac{r_1}{d} \left(1 - \frac{r_2^2}{r_1^2} \right) \tag{49}$$

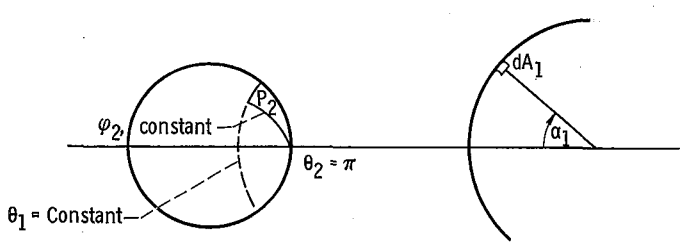
The corresponding φ_2^* is

$$\cos \varphi_2^* = \frac{1}{\sin \theta_1^* \sin \theta_2^*} \left(\frac{d}{r_1} \cos \theta_2^* - \frac{r_2}{r_1} - \cos \theta_1^* \cos \theta_2^* \right) \tag{50}$$

where, in equations (49) and (50), θ_1^* is any value of θ_1 less than that given by equation (46) but greater than that given by equation (36).

To summarize, for a given value of θ_1 between the value given by equation (36) and equation (46), θ_2^* and φ_2^* are calculated by using equations (49) and (50), respectively. Then, for this same value of θ_1, the θ_2 limit is calculated by using equation (43) (i.e., $\cos \beta_1 = 0$) for $\varphi_2 > \varphi_2^*$ but less than $2\pi - \varphi_2^*$ and equation (44) is used (i.e., $\cos \beta_2 = 0$), for $\varphi_2 < \varphi_2^*$ or $\varphi_2 > 2\pi - \varphi_2^*$. The value $2\pi - \varphi_2^*$ is the other solution of equation (50). If θ_1 has a value larger than the value given by equation (46), the limit of θ_2 is given by equation (44), which corresponds to $\cos \beta_2 = 0$.

Configuration factor between a differential element dA_1 on a sphere and a patch P_2 on another sphere. - In this report, a patch is defined by any finite area on a sphere that is bordered by two constant-θ lines and two constant-φ lines. The configuration factor $F_{dA_1\text{-}P_2}$ between an elemental area dA_1 of sphere 1 and a patch P_2 of area A_2 on sphere 2 is obtained from equation (26). Here, the $\theta_{2,\,min}$, $\theta_{2,\,max}$, $\varphi_{2,\,min}$, and $\varphi_{2,\,max}$ are the maximum and minimum values of θ_2 and φ_2 over which the area A_2 extends on sphere 2. The A_2 will be assumed to be bordered by two constant-θ_2 lines and two constant-φ_2 lines on sphere 2. In the calculations, one of the constant-θ_2 lines is always taken as $\theta_2 = \pi$. Whenever $\theta = \pi$ (or $\alpha = 0$), all lines of constant φ merge to a point. When any patch has one of its constant-θ lines equal to π, the patch has a triangular shape. The configuration chosen for $F_{dA_1\text{-}P_2}$ is shown in sketch (f).

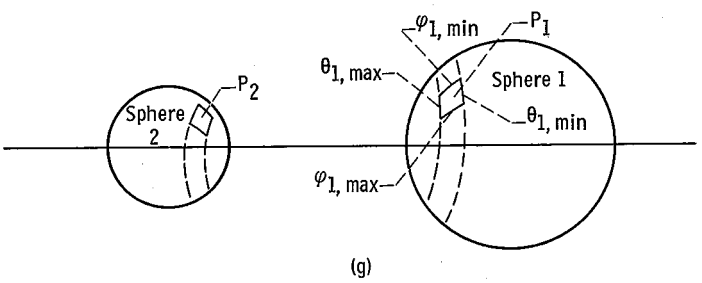


(f)

Configuration factor between a patch P_1 on a sphere and a patch P_2 on another sphere. - The configuration factor $F_{P_1\text{-}P_2}$ between patch P_1 of area A_1 on sphere 1 and another patch P_2 of area A_2 on sphere 2 is obtained by substituting equation (25) into (18) and integrating over the range of θ_1, φ_1, θ_2, and φ_2

$$F_{P_1\text{-}P_2} = \frac{1}{A_1} \int_{\varphi_{1,\min}}^{\varphi_{1,\max}} \int_{\theta_{1,\min}}^{\theta_{1,\max}} \int_{\varphi_{2,\min}}^{\varphi_{2,\max}} \int_{\theta_{2,\min}}^{\theta_{2,\max}} \frac{a^4 \cos\beta_1 \cos\beta_2 \sin\theta_1 \sin\theta_2 \, d\theta_2 \, d\varphi_2 \, d\theta_1 \, d\varphi_1}{\pi |\vec{S}|^2 (\cosh\mu_2 - \cos\theta_2)^2 (\cosh\mu_1 - \cos\theta_1)^2} \tag{51}$$

where A_1 is obtained by integrating equation (25) over the extent of θ_1 and φ_1. Both the areas A_1 and A_2 are assumed to be between two constant-θ lines and two



(g)

constant-φ lines; that is, they are patches (see sketch (g)). For this configuration of A_1, equation (25) integrates to

$$A_1 = a^2(\varphi_{1,\max} - \varphi_{1,\min})\left(\frac{1}{\cosh\mu_1 - \cos\theta_{1,\min}} - \frac{1}{\cosh\mu_1 - \cos\theta_{1,\max}}\right) \tag{52}$$

CALCULATION PROCEDURE

The configuration factors were computed for a differential element dA_1 on sphere 1 to a patch P_2 on sphere 2 and from a patch P_1 on sphere 1 to another patch P_2 on sphere 2. The calculations were made for values of r_2/r_1 of 0.01 to 1.00 and for values

of d/r_1 of $1.001 + r_2/r_1$ to 100. In addition to the preceeding calculations, the configuration factor for the Earth-Moon situation was also computed. The values of the radii of the Earth and the Moon and the value of the distance between the Earth and the Moon were taken from reference 6. The specific areas A_1 and A_2 used in the calculation are described in the following section.

Configuration Factors $F_{dA_1-P_2}$

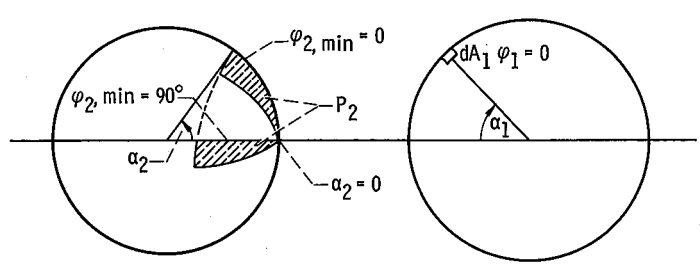
For these configuration factors, the values of the coordinates of the element dA_1 were chosen every 15^o in α_1 starting at $\alpha_1 = 0$. The value of φ_1 was held constant at $\varphi_1 = 0$.

For patches P_2, the lower value of α_2 was held constant at a value of zero. The upper value varied in increments of 15^o up to α_2^{max}. The value of α_2^{max} from sketch (d) is

$$\alpha_2^{max} = \pi - \alpha_1^{max} \tag{53}$$

where $\cos \alpha_1^{max}$ is given by equation (30). For the φ_2 coordinates of patches P_2, two separate minimum values were chosen. One patch begins at $\varphi_2 = 0$, (i.e., $\varphi_{2,\,min} = 0$), the other begins at $\varphi_2 = 90^o$, (i.e., $\varphi_{2,\,min} = 90^o$). The maximum values of φ_2, that is, $\varphi_{2,\,max}$, were taken in steps of 15^o starting at these minimum values. The largest value chosen for $\varphi_{2,\,max}$ was 105^o for the patch that begins at $\varphi_2 = 0$ and 195^o for the patch that begins at 90^o.

The configuration chosen for the $dA_1 - P_2$ configuration factor calculations is shown in sketch (h).

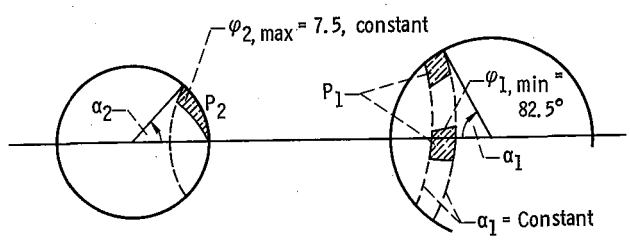


(h)

Configuration Factor from a Patch P_1 to Another Patch P_2

Both patches P_1 and P_2 were chosen between constant-α and constant-φ lines. The limiting φ_2 angles of patch P_2 were held constant at -7.5° and 7.5°; so that, the subtended φ_2 angle of P_2 was 15°. The minimum angle $\alpha_{2,\,min}$ of patch P_2 was held constant at a value of 0°. The maximum values of α_2, that is, $\alpha_{2,\,max}$, were taken in steps of 15° up to α_2^{max}.

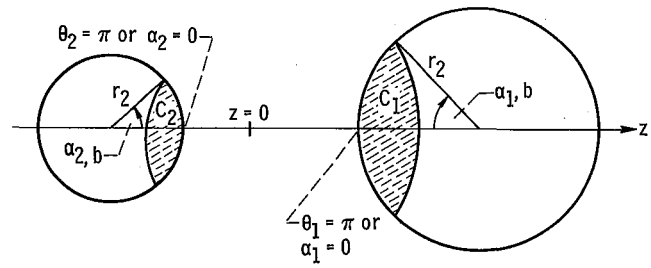
For patch P_1, which has an area A_1, the shape of the areas A_1 were chosen as segments of bands on sphere 1. The band segments always subtended a value $\Delta\alpha_1 = \alpha_{1,\,max} - \alpha_{1,\,min}$ of 15°. The subtended φ-angle of the band segments, $\Delta\varphi_1 = \varphi_{1,\,max} - \varphi_{1,\,min}$, varied from 15° to 105° in 15° increments. The minimum value taken for $\alpha_{1,\,min}$ was zero and increased in steps of 15° until $\alpha_{1,\,max}$ was equal to α_1^{max} obtained from equation (30). The minimum values for $\varphi_{1,\,min}$ were taken as -7.5° and 82.5°. These values were held constant. The maximum values $\varphi_{1,\,max}$ were taken as 7.5° to 97.5° in steps of 15° for $\varphi_{1,\,min}$ of -7.5°, and 97.5° to 187.5° for $\varphi_{1,\,min}$ of 82.5°. The configuration chosen for the patch-patch configuration factor calculations is shown in sketch (i).



(i)

Configuration Factor from a Cap C_1 to Another Cap C_2

A cap is defined as the area generated when equation (25) for dA is integrated over the complete range of φ and over θ, from some finite value, for example, θ_b, to the value $\theta = \pi$. For the calculations, rather than choosing θ as the parameter, α was chosen. For both caps, the value of $\alpha_{i,\,b}$ (corresponding to $\theta_{1,\,b}$ and $\theta_{2,\,b}$) was chosen in steps of 15°. Therefore, the calculations were performed for cap configurations shown in sketch (j), where $\alpha_{1,\,b}$ and $\alpha_{2,\,b}$ varied from 15° to α_1^{max} and α_2^{max} in 15° increments.



(j)

EXTENSION OF RESULTS

Configuration Factor from Any Patch P_1 to a Patch P_2

The results are presented in table I for patch P_2 which always subtends an angle of 15° in the φ_2-direction extending from values of φ_2 from -7.5° to 7.5°. The α_2 angle of patch P_2 varied from 15° to α_2^{max} in 15° increments. For patch P_1, the results are presented in table I for P_1 subtending angles from 15° to 105.0° in the φ_1-direction. The subtended angle of P_1 in the α_1-direction was always 15° extending from a value of $\alpha_1 = 0$ or some multiple of 15.

Now, the cases are considered where the patch P_1 subtends any angle that is an integer multiple of 15° in either the φ_1-direction or α_1-direction. Let the patch P_1 be denoted by

$$\left.\begin{aligned} P_1 &= P_1(\varphi_{1,a}, \varphi_{1,b}: \alpha_{1,a}, \alpha_{1,b}) \\ A_1 &= A_1(\varphi_{1,a}, \varphi_{1,b}: \alpha_{1,a}, \alpha_{1,b}) \end{aligned}\right\} \tag{55}$$

where $\varphi_{1,a}$ is the minimum value of φ_1, $\varphi_{1,b}$ is the maximum value of φ_1, $\alpha_{1,a}$ is the minimum value of α_1, and $\alpha_{1,b}$ is the maximum value of α_1. In this notation, the results are presented for $\varphi_{1,a} = -7.5^\circ$ and $\varphi_{1,a} = 82.5^\circ$, $\varphi_{1,b} = \varphi_{1,a} + 15n$, where $n \leq 7$, $\alpha_{1,a} = 0$ or a multiple of 15, $\alpha_{1,b} = \alpha_{1,a} + 15^\circ$.

Case A: $-7.5 < \varphi_{1,a} < 82.5$ with $\varphi_{1,b} \leq 97.5$ or $82.5 < \varphi_{1,a} < 187.5$ with $\varphi_{1,b} \leq 187.5$

Let $P_1' \equiv P_1(\varphi_{1,a}', \varphi_{1,b}')$ denote the patch P_1 where $\varphi_{1,a}'$ is not equal to -7.5° or 82.5°. Let $F_{P_1'-P_2}(\varphi_{1,a}', \varphi_{1,b}')$ denote the corresponding value for its configuration factor. Let the unprimed symbols $P_1(\varphi_{1,a}, \varphi_{1,b})$ and $F_{P_1-P_2}(\varphi_{1,a}, \varphi_{1,b})$ denote patch P_1 and its configuration factor value, respectively, when $\varphi_{1,a}$ equals -7.5° or

82.5^{o}. Then the patch P'_1 can be defined in terms of two unprimed P_1's as

$$P'_1 \equiv P_1(\varphi'_{1,a}, \varphi'_{1,b}) = P_1(\varphi_{1,a}, \varphi'_{1,b}) - P_1(\varphi_{1,a}, \varphi'_{1,a}) \tag{56}$$

From the configuration factor algebra given in section 2.5 of reference 5,

$$F_{P'_1-P_2} = \frac{A_1(\varphi_{1,a}, \varphi'_{1,b})}{A_1(\varphi'_{1,a}, \varphi'_{1,b})} F_{P_1-P_2}(\varphi_{1,a}, \varphi'_{1,b}) - \frac{A_1(\varphi_{1,a}, \varphi'_{1,a})}{A_1(\varphi'_{1,a}, \varphi'_{1,b})} F_{P_1-P_2}(\varphi_{1,a}, \varphi'_{1,a}) \tag{57}$$

where $A_1(\varphi_{1,a}, \varphi'_{1,b})$, $F_{P_1-P_2}(\varphi_{1,a}, \varphi'_{1,b})$, $A_1(\varphi_{1,a}, \varphi'_{1,a})$, and $F_{P_1-P_2}(\varphi_{1,a}, \varphi'_{1,a})$ are given in table I. Note that

$$A_1(\varphi'_{1,a}, \varphi'_{1,b}) = A_1(\varphi_{1,a}, \varphi'_{1,b}) - A_1(\varphi_{1,a}, \varphi'_{1,a}) \tag{58}$$

Case B: $-7.5 < \varphi_{1,a} < 82.5$ and $\varphi_{1,b} > 97.5$

The same notation used in case A is used to write $P_1(\varphi'_{1,a}, \varphi'_{1,b})$ as

$$P_1(\varphi'_{1,a}, \varphi'_{1,b}) = P_1(\varphi'_{1,a}, 82.5) + P_1(82.5, \varphi'_{1,b}) \tag{59}$$

The configuration factor for patch $P_1(\varphi'_{1,a}, 82.5)$ falls under case A, and the configuration factor for this patch may be obtained from the method presented there. The configuration factor for $P_1(82.5, \varphi'_{1,b})$ is presented in table I. From the configuration factor algebra of section 2.5 of reference 5,

$$F_{P'_1-P_2}(\varphi'_{1,a}, \varphi'_{1,b}) = \frac{A_1(\varphi'_{1,a}, 82.5)}{A_1(\varphi'_{1,a}, \varphi'_{1,b})} F_{P_1-P_2}(\varphi'_{1,a}, 82.5) + \frac{A_1(82.5, \varphi_{1,b})}{A_1(\varphi'_{1,a}, \varphi'_{1,b})} F_{P_1-P_2}(82.5, \varphi'_{1,b}) \tag{60}$$

where

$$A_1(\varphi'_{1,a}, \varphi'_{1,b}) = A_1(\varphi_{1,a}, 82.5) + A_1(82.5, \varphi'_{1,b}) \tag{61}$$

Case C: $(\alpha_{1,b} - \alpha_{1,a}) > 15^{o}$

Let

$$\alpha_{1,b} - \alpha_{1,a} = 15n \text{ deg} \tag{62}$$

Then, from the configuration factor algebra of section 2.5 of reference 5,

$$F_{P_1\text{-}P_2}(\alpha_{1,a}, \alpha_{1,b}) = \frac{1}{A_1(\alpha_{1,a}, \alpha_{1,b})} \sum_{i=1}^{n-1} A_1(\alpha_{1,i}, \alpha_{1,i+1}) F_{P_1\text{-}P_2}(\alpha_{1,i}, \alpha_{1,i+1}) \tag{63}$$

where $\alpha_{1,i} = \alpha_{1,a}$ and $\alpha_{1,n} = \alpha_{1,b}$. In equation (63), the values of $\varphi_{1,a}$ and $\varphi_{1,b}$ are the same throughout. The area $A_1(\alpha_{1,a}, \alpha_{1,b})$ is

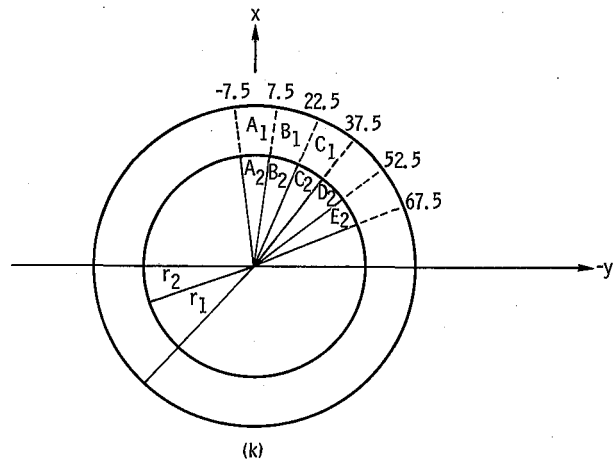
$$A_1(\alpha_{1,a}, \alpha_{1,b}) \equiv \sum_{i=1}^{n-1} A_1(\alpha_{1,i}, \alpha_{1,i+1}) \tag{64}$$

Configuration Factor from a Patch P_1 to Any Patch P_2

Now the cases are considered where patch P_2 subtends angles in φ_2 larger than 15^{o}. First, notice that $\cos \beta_1$ (eq. (23)), $\cos \beta_2$ (eq. (24)), and $|\vec{S}|$ (eq. (22)) are functions only of the relative coordinate $\varphi_2 - \varphi_1$. Also, they are an even function of the relative coordinate $\varphi_2 - \varphi_1$. Therefore, the configuration factor $F_{P_1\text{-}P_2}$ (eq. (51)) is an even function of the relative coordinate $\varphi_2 - \varphi_1$.

For discussion purposes, consider the case where patch P_2 extends from values of φ_2 from -7.5^{o} to 67.5^{o} and patch P_1 extends from -7.5^{o} to 37.5^{o}. Now project these patches to the x, y plane, as shown in sketch (k). Patch P_1 is made up of A_1, B_1, and C_1 and patch P_2 is made up of A_2, B_2, C_2, D_2, and E_2. From the configuration factor algebra of reference 5,

$$F_{P_1\text{-}P_2} = F_{P_1\text{-}A_2} + F_{P_1\text{-}B_2} + F_{P_1\text{-}C_2} + F_{P_1\text{-}D_2} + F_{P_1\text{-}E_2} \tag{65}$$



where

$$F_{P_1-A_2} = \frac{1}{A_{P_1}} \left(A_{A_1} F_{A_1-A_2} + A_{B_1} F_{B_1-A_2} + A_{C_1} F_{C_1-A_2} \right) \tag{66}$$

Equations similar to equation (66) hold for the other terms in equation (65). Table I gives $F_{P_1-A_2}$ directly. The other terms in equation (65) must be obtained from the algebra of configuration factors using equations similar to equation (66). The term $F_{P_1-C_2}$ of equation (65) is considered in detail. The equation similar to equation (66) for this term is

$$F_{P_1-C_2} = \frac{1}{A_{P_1}} \left(A_{A_1} F_{A_1-C_2} + A_{B_1} F_{B_1-C_2} + A_{C_1} F_{C_1-C_2} \right) \tag{67}$$

Because of the symmetry of the spheres in the φ-coordinates, or mathematically because the configuration factor is an even function of the relative coordinate $\varphi_2 - \varphi_1$, only the relative displacement in φ of a patch on sphere 1 to another patch on sphere 2 is important. Therefore, the relative displacement of lines of constant φ that are similar are used on each patch. Similar φ lines on each patch corresponding to the beginning of each patch are used. Now patch A_1 begins at a φ_1 value of -7.5 and patch C_2 begins at a φ_2 value of 22.5. Therefore, C_2 is displaced 30° relative to A_1. The factor $F_{A_1-C_2}$ can be obtained by using the procedure for case A in the section Configuration Factor From Any Patch P_1 to Patch P_2. The symmetry property in φ must also be used; that is, $F_{A_1-C_2}$ with A_1 extending from values of φ_1 from

-7.5 to 7.5 and C_2 extending from values of φ_2 from 22.5 to 37.5 is equal to $F_{A_1-C_2}$ with A_1 extending from values of φ_1 from 22.5 to 37.5 and C_2 extending from values of φ_2 from -7.5 to 7.5.

For patches B_1 and C_2, C_2 is displaced 15° relative to B_1. Therefore, $F_{B_1-C_2}$ can be obtained by using the symmetry property in φ and the procedure for case A in the section Configuration Factor from Any Patch P_1 to Patch P_2.

The patches C_1 and C_2 are not displaced at all. Therefore, $F_{C_1-C_2}$ can be obtained directly from table I by using the value listed for P_1 extending from $\varphi_1 = -7.5$ to $\varphi_1 = 7.5$.

The patch D_2 is displaced 15° relative to C_1 and patch E_2 is displaced 30° relative to C_1. Both $F_{C_1-D_2}$ and $F_{C_1-E_2}$ can be obtained by using the procedure for case A in the section Configuration Factor from Any Patch P_1 to Patch P_2.

Configuration Factor from a Cap C_1 to a Band B_2

A band is defined as the area generated when equation (25) for dA is integrated over the complete range of φ, that is, 0 to 2π, and over θ from some finite value θ_a to some other value θ_b. When $\theta_b = \pi$, the band becomes a cap. The configuration factor $F_{C_1-B_2}$ from a cap C_1 to a band B_2 is obtained from the results given in table II. A band is denoted by

$$B_i = B_i(\theta_{i,a}, \theta_{i,b}) \tag{68}$$

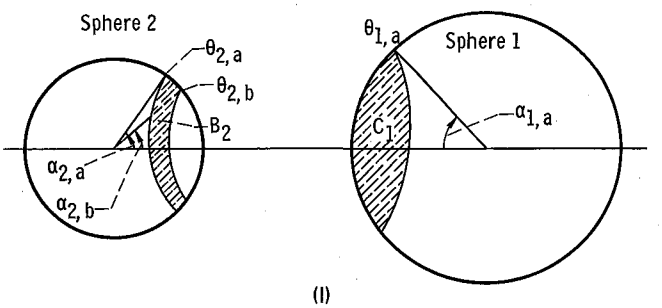
and a cap by

$$C_i = C_i(\theta_{i,a}) \tag{69}$$

where $i = 1$ corresponds to sphere 1 and $i = 2$ corresponds to sphere 2. Then the configuration factor $F_{C_1-B_2}$ is

$$F_{C_1-B_2} = F_{C_1(\theta_{1,a})-C_2(\theta_{2,b})} - F_{C_1(\theta_{1,a})-C_2(\theta_{2,a})} \tag{70}$$

This follows directly from the algebra of configuration factors as given in reference 5. The areas involved in equation (70) are shown in sketch (l).



(l)

Configuration Factor from a Band B_1 to a Band B_2

Let the area of a band be denoted by $A_{B(\theta_{i,a},\, \theta_{i,b})}$ and the area of a cap be denoted by $A_{C_i(\theta_{i,a})}$, where $i = 1$ corresponds to sphere 1 and $i = 2$ corresponds to sphere 2. From the algebra of configuration factors,

$$F_{B_1\text{-}B_2} = \frac{1}{A_{B_1(\theta_{1,a},\, \theta_{1,b})}} \left[A_{C_1(\theta_{1,a})} F_{C_1(\theta_{1,a})\text{-}B_2(\theta_{2,a},\, \theta_{2,b})} - A_{C_1(\theta_{1,b})} F_{C_1(\theta_{1,b})\text{-}B_2(\theta_{2,a},\, \theta_{2,b})} \right] \tag{71}$$

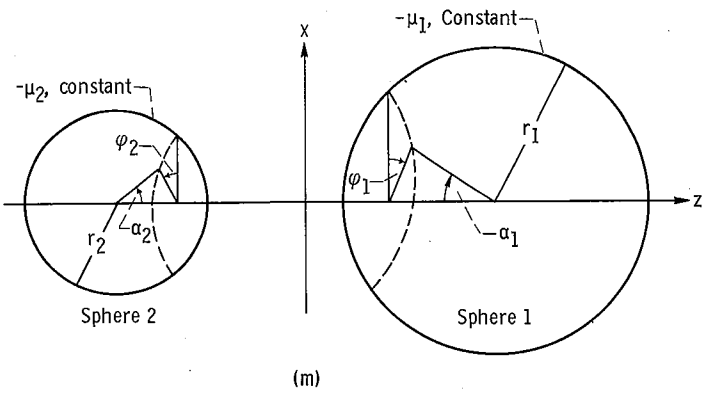
where the $F_{C_1\text{-}B_2}$ are given by equation (70).

RÉSUMÉ

The coordinate system used in this report is shown in sketch (m). The equations for the configuration factors are derived in terms of the bispherical coordinates μ, θ, and φ. The additional parameter α, also shown in sketch (m) is used to denote geometry for segments of spheres. Particular areas on the spheres are described by the following definitions and the corresponding symbol given in the report:

Patch, P: any finite area on a sphere bordered by two constant-α (or θ) lines and two constant-φ lines

Element, dA: a differential area on a sphere



Band, B: the area generated when a line drawn between two values of α is revolved through 2π radians about the z-axis; that is, the coordinate φ goes through 2π radians

Cap, C: the area generated when a line drawn between the point $\alpha = 0$ ($\theta = \pi$) and any other value of α is revolved through 2π radians about the z-axis; that is, the coordinate φ goes through 2π radians

Results are presented in table I for the configuration factors between a patch on sphere 1 and a patch on sphere 2 and also between an element dA_1 on sphere 1 and a patch on sphere 2. For the patch-to-patch configuration factors presented in table I, the patch P_2 was always taken between φ_2 lines of -7.5° and 7.5°. In the text, a method is described for extending the patch-to-patch and the element-to-patch results to all size patches (extending either P_1 or P_2 or both) that subtends φ and α angles that are integer multiples of 15°.

Results are presented in table II for the configuration factors between a cap on sphere 1 and a cap on sphere 2. A method is described for extending these results to obtain cap-to-band, band-to-cap, and band-to-band configuration factors.

In both table I and table II, values are presented for r_2/r_1 of 0.01, 0.1, 0.2, 0.3, . . ., 0.8, 0.9, and 1.00. For each of these values of r_2/r_1, d/r_1 was chosen as $(1.001 + r_2/r_1)$, 2, 3, 5, 7, 10, 20, 50, and 100.

Previously, for spheres of unequal radii, investigators (ref. 1) have only considered the sphere-to-sphere configuration factors, that is, cap-to-cap configuration factors where the caps encompass the complete spheres. For equal radii, investigators (ref. 2) have also included the band-to-sphere configuration factors. To the author's knowledge, the patch-to-patch and the band-to-band configuration factors have not been considered previously for either equal or unequal radii.

Since results for parts of spheres are presented, the data can be applied not only to spheres but to all objects that can be described as a segment of a sphere, such as hemi-

spheres, dish- or pie-shaped antennas, the back of spherically shaped mirrors, etc. However, it must be kept in mind that in applying the results to radiation problems, it is assumed that the surfaces emit diffusely.

Lewis Research Center,
National Aeronautics and Space Administration,
Cleveland, Ohio, March 6, 1969,
124-09-19-03-22.

APPENDIX - SYMBOLS

A	area
dA	elemental area
a	physical scale parameter
$\hat{a}_\mu, \hat{a}_\theta, \hat{a}_\varphi$	unit vectors of bispherical coordinates
B_1, B_2	band or particular patch on sphere 1 and sphere 2, respectively
C_1, C_2	cap or particular patch on sphere 1 and sphere 2, respectively
d	distance between centers of two spheres
F_{i-j}	configuration factor from i to j
$h_\mu, h_\theta, h_\varphi$	scale factors for bispherical coordinates
L	line drawn tangent to sphere 1
$\hat{n}$	unit vector normal to dA
P	patch which has a finite area
R	distance from center of sphere to origin of coordinate system
r	radius of sphere
$\vec{S}$	vector distance from dA_1 to dA_2
x, y, z	Cartesian coordinates
z_o	magnitude of z-coordinate where L intersects z-axis
α	angle between line d and a radius vector drawn to dA
β	angle between $\vec{S}$ and $\hat{n}$
γ	defined by eqs. (5)
$\xi_\mu, \xi_\theta, \xi_\varphi$	defined by eqs. (6)
μ, θ, φ	bispherical coordinates

Subscripts:

a	minimum values of θ or φ that a particular patch, band, or cap extends to
b	maximum values of θ or φ that a particular patch, band, or cap extends to
max	maximum value of coordinate integrals
min	minimum value of coordinate integrals
1	sphere 1
2	sphere 2

Superscripts:

max	maximum value that coordinate may have and still be within line of sight of any point on the other sphere
min	minimum value that coordinate may have and still be within line of sight of any point on the other sphere
(*)	coordinate such that L is tangent to sphere 1 and sphere 2 simultaneously

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TABLE I. - CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

Explanation of Table

Values are given for the configuration factors $F_{P_1\text{-}P_2}$ (i.e., patch to patch) and $F_{dA_1\text{-}P_2}$ (i.e., element to patch). The values for the patch-to-patch configuration factors are useful when finite areas on the spheres are at different temperatures. Two examples are when sections of the spheres are painted for temperature control, as on some satellites, and when sections of the spheres are made of different materials.

The values for element-to-patch configuration factors are useful when points on spheres are at much higher temperatures than the rest of the sphere. The element-to-patch results may also be applied to the situations where a sphere is so much larger than the second sphere that the small sphere may be considered as an element dA, for example, a planet-satellite situation. Also, from configuration factor algebra (ref. 5)

$$F_{A_2\text{-}dA_1} = \frac{dA_1}{A_2} F_{dA_1\text{-}A_2}$$

Therefore, the patch to element may also be obtained from the data in table I.

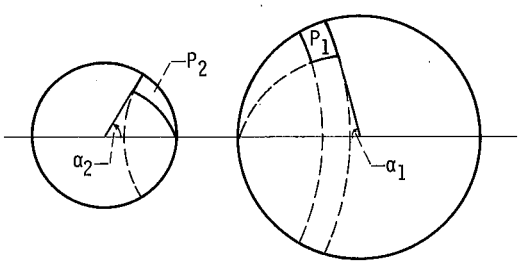
The data in the table headings are the pertinent values of r_2/r_1, d/r_1, cosh μ_2, and the upper limit of α_2 for patch P_2 with its corresponding θ_2 limit. These values apply to both $F_{P_1\text{-}P_2}$ and $F_{dA_1\text{-}P_2}$. The lower limit of α_2 for patch P_2 is constant at $\alpha_2 = 0$ ($\theta_2 = \pi$). Since all constant-φ lines converge to a point when $\alpha = 0$ ($\theta = \pi$), all patches P_2 have triangular shapes on sphere 2.

Columns 1 to 6 give data that pertain only to $F_{P_1\text{-}P_2}$ calculations. Columns 7 to 11 pertain to $F_{dA_1\text{-}P_2}$ calculations. Each of these columns is explained subsequently.

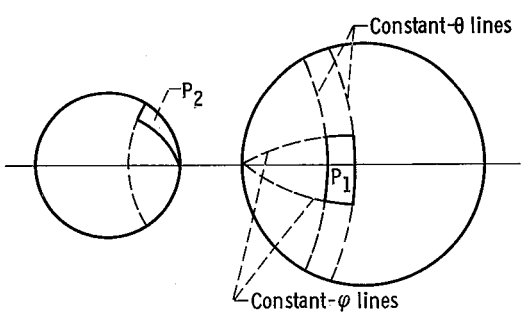
Columns 1 to 6, $F_{P_1\text{-}P_2}$

Patch P_2 was held fixed extending from $\varphi_2 = -7.5^\circ$ to 7.5° and from $\alpha_2 = 0$ to α_2 given in the table headings.

Column heading	Description
α_1	Range of α_1 of patch P_1
A/a^2	Value for area of patch P_1 divided by a^2, where a is the physical scale parameter. If the radius of either sphere is known, $a = r_i(\cosh \mu_i - 1)^{1/2}$, where $i = 1$ or 2.
φ_1	Range of φ_1 included in patch P_1. In column 3, the minimum value of φ_1 is -7.5^o; in column 5, the minimum value of φ_1 is 82.5^o.
$F_{P_1-P_2}$	Values for configuration factors. Column 4 lists $F_{P_1-P_2}$ for patch P_1 extending from a minimum φ_1 of -7.5^o; column 6 lists $F_{P_1-P_2}$ for patch P_1 extending from a minimum φ_1 of 82.5^o. The configuration chosen for $F_{P_1-P_2}$ calculations given in column 4 is depicted in sketch (n), and for $F_{P_1-P_2}$ given in column 6 in sketch (o).



(n)

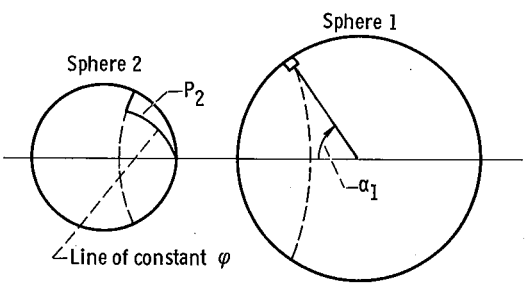


(o)

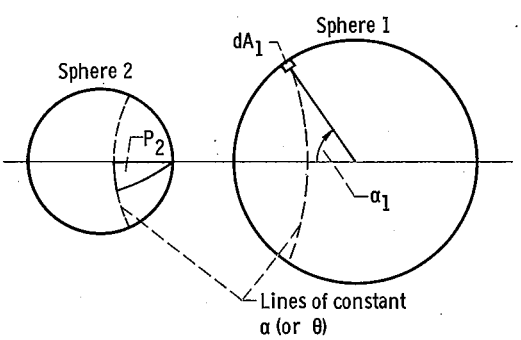
Columns 7 to 11, $F_{dA_1-P_2}$

The φ_1 coordinate of dA_1 is fixed at $\varphi_1 = 0$. Patch P_2 subtends α_2 angles from zero to the value given in the table headings.

Column headings	Description
α_{dA_1}	Values of the α_1 of dA_1 in degrees.
φ_2	Minimum and maximum values of the φ_2 coordinates included in patch P_2. Column 8 has a minimum value of zero; column 10 has a minimum value of 90^o.
$F_{dA_1-P_2}$	Values for configuration factors. Column 9 lists $F_{dA_1-P_2}$ for a minimum value of φ_2 of zero; column 11 lists $F_{dA_1-P_2}$ for a minimum value of φ_2 of 90^o. The configuration chosen for $F_{dA_1-P_2}$ values given in column 9 is shown in sketch (p), and for $F_{dA_1-P_2}$ given in column 11 in sketch (q).



(p)



(q)

TABLE I. - CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 1.011$ $\cosh \mu_1 = 1.0000$ $\cosh \mu_2 = 1.0990$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 117.54$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-11.70	0.2622E 03	-7.5 TO 7.5	0.3272E-04	82.5- 97.5	0.1911E-05	0	0- 15	0.3285E-01	90-105	0.3285E-01
0-11.70	0.5243E 03	-7.5 TO 22.5	0.2941E-04	82.5-112.5	0.1604E-05	0	0- 30	0.6570E-01	90-120	0.6570E-01
0-11.70	0.7865E 03	-7.5 TO 37.5	0.2474E-04	82.5-127.5	0.1385E-05	0	0- 45	0.9855E-01	90-135	0.9855E-01
0-11.70	0.1049E 04	-7.5 TO 52.5	0.2068E-04	82.5-142.5	0.1226E-05	0	0- 60	0.1314E 00	90-150	0.1314E 00
0-11.70	0.1311E 04	-7.5 TO 67.5	0.1753E-04	82.5-157.5	0.1109E-05	0	0- 75	0.1643E 00	90-165	0.1643E 00
0-11.70	0.1573E 04	-7.5 TO 82.5	0.1510E-04	82.5-172.5	0.1021E-05	0	0- 90	0.1971E 00	90-180	0.1971E 00
0-11.70	0.1835E 04	-7.5 TO 97.5	0.1322E-04	82.5-187.5	0.9560E-06	0	0-105	0.2300E 00	90-195	0.2300E 00
	$r_2/r_1 = 0.01$	$d/r_1 = 1.011$	$\cosh \mu_1 = 1.0000$	$\cosh \mu_2 = 1.0990$	$\alpha_{2,max} = 30.00$	$\theta_{2,min} = 78.04$				
0-11.70	0.2622E 03	-7.5 TO 7.5	0.1656E-03	82.5- 97.5	0.2507E-05	0	0- 15	0.3444E-01	90-105	0.3444E-01
0-11.70	0.5243E 03	-7.5 TO 22.5	0.1422E-03	82.5-112.5	0.1970E-05	0	0- 30	0.6887E-01	90-120	0.6887E-01
0-11.70	0.7865E 03	-7.5 TO 37.5	0.1135E-03	82.5-127.5	0.1647E-05	0	0- 45	0.1033E 00	90-135	0.1033E 00
0-11.70	0.1049E 04	-7.5 TO 52.5	0.9128E-04	82.5-142.5	0.1430E-05	0	0- 60	0.1377E 00	90-150	0.1377E 00
0-11.70	0.1311E 04	-7.5 TO 67.5	0.7529E-04	82.5-157.5	0.1276E-05	0	0- 75	0.1722E 00	90-165	0.1722E 00
0-11.70	0.1573E 04	-7.5 TO 82.5	0.6363E-04	82.5-172.5	0.1163E-05	0	0- 90	0.2066E 00	90-180	0.2066E 00
0-11.70	0.1835E 04	-7.5 TO 97.5	0.5490E-04	82.5-187.5	0.1080E-05	0	0-105	0.2410E 00	90-195	0.2410E 00
	$r_2/r_1 = 0.01$	$d/r_1 = 1.011$	$\cosh \mu_1 = 1.0000$	$\cosh \mu_2 = 1.0990$	$\alpha_{2,max} = 45.00$	$\theta_{2,min} = 55.33$				
0-11.70	0.2622E 03	-7.5 TO 7.5	0.3561E-03	82.5- 97.5	0.2615E-05	0	0- 15	0.3444E-01	90-105	0.3444E-01
0-11.70	0.5243E 03	-7.5 TO 22.5	0.3058E-03	82.5-112.5	0.2024E-05	0	0- 30	0.6887E-01	90-120	0.6887E-01
0-11.70	0.7865E 03	-7.5 TO 37.5	0.2431E-03	82.5-127.5	0.1683E-05	0	0- 45	0.1033E 00	90-135	0.1033E 00
0-11.70	0.1049E 04	-7.5 TO 52.5	0.1945E-03	82.5-142.5	0.1457E-05	0	0- 60	0.1377E 00	90-150	0.1377E 00
0-11.70	0.1311E 04	-7.5 TO 67.5	0.1595E-03	82.5-157.5	0.1298E-05	0	0- 75	0.1722E 00	90-165	0.1722E 00
0-11.70	0.1573E 04	-7.5 TO 82.5	0.1341E-03	82.5-172.5	0.1181E-05	0	0- 90	0.2066E 00	90-180	0.2066E 00
0-11.70	0.1835E 04	-7.5 TO 97.5	0.1153E-03	82.5-187.5	0.1095E-05	0	0-105	0.2410E 00	90-195	0.2410E 00
	$r_2/r_1 = 0.01$	$d/r_1 = 1.011$	$\cosh \mu_1 = 1.0000$	$\cosh \mu_2 = 1.0990$	$\alpha_{2,max} = 60.00$	$\theta_{2,min} = 41.22$				
0-11.70	0.2622E 03	-7.5 TO 7.5	0.5523E-03	82.5- 97.5	0.2726E-05	0	0- 15	0.3444E-01	90-105	0.3444E-01
0-11.70	0.5243E 03	-7.5 TO 22.5	0.4795E-03	82.5-112.5	0.2080E-05	0	0- 30	0.6887E-01	90-120	0.6887E-01
0-11.70	0.7865E 03	-7.5 TO 37.5	0.3849E-03	82.5-127.5	0.1720E-05	0	0- 45	0.1033E 00	90-135	0.1033E 00
0-11.70	0.1049E 04	-7.5 TO 52.5	0.3088E-03	82.5-142.5	0.1485E-05	0	0- 60	0.1377E 00	90-150	0.1377E 00
0-11.70	0.1311E 04	-7.5 TO 67.5	0.2531E-03	82.5-157.5	0.1320E-05	0	0- 75	0.1722E 00	90-165	0.1722E 00
0-11.70	0.1573E 04	-7.5 TO 82.5	0.2125E-03	82.5-172.5	0.1200E-05	0	0- 90	0.2066E 00	90-180	0.2066E 00
0-11.70	0.1835E 04	-7.5 TO 97.5	0.1825E-03	82.5-187.5	0.1111E-05	0	0-105	0.2410E 00	90-195	0.2410E 00

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 1.011$ $\cosh \mu_1 = 1.0000$ $\cosh \mu_2 = 1.0990$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 31.60$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-11.70	0.2622E 03	-7.5 TO 7.5	0.7233E-03	82.5- 97.5	0.2832E-05	0	0- 15	0.3444E-01	90-105	0.3444E-01
0-11.70	0.5243E 03	-7.5 TO 22.5	0.6347E-03	82.5-112.5	0.2132E-05	0	0- 30	0.6887E-01	90-120	0.6887E-01
0-11.70	0.7865E 03	-7.5 TO 37.5	0.5152E-03	82.5-127.5	0.1755E-05	0	0- 45	0.1033E 00	90-135	0.1033E 00
0-11.70	0.1049E 04	-7.5 TO 52.5	0.4158E-03	82.5-142.5	0.1511E-05	0	0- 60	0.1377E 00	90-150	0.1377E 00
0-11.70	0.1311E 04	-7.5 TO 67.5	0.3413E-03	82.5-157.5	0.1341E-05	0	0- 75	0.1722E 00	90-165	0.1722E 00
0-11.70	0.1573E 04	-7.5 TO 82.5	0.2864E-03	82.5-172.5	0.1217E-05	0	0- 90	0.2066E 00	90-180	0.2066E 00
0-11.70	0.1835E 04	-7.5 TO 97.5	0.2459E-03	82.5-187.5	0.1126E-05	0	0-105	0.2410E 00	90-195	0.2410E 00

$r_2/r_1 = 0.01$ $d/r_1 = 1.011$ $\cosh \mu_1 = 1.0000$ $\cosh \mu_2 = 1.0990$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 24.50$

0-11.70	0.2622E 03	-7.5 TO 7.5	0.8539E-03	82.5- 97.5	0.2903E-05	0	0- 15	0.3444E-01	90-105	0.3444E-01
0-11.70	0.5243E 03	-7.5 TO 22.5	0.7555E-03	82.5-112.5	0.2168E-05	0	0- 30	0.6887E-01	90-120	0.6887E-01
0-11.70	0.7865E 03	-7.5 TO 37.5	0.6192E-03	82.5-127.5	0.1779E-05	0	0- 45	0.1033E 00	90-135	0.1033E 00
0-11.70	0.1049E 04	-7.5 TO 52.5	0.5024E-03	82.5-142.5	0.1529E-05	0	0- 60	0.1377E 00	90-150	0.1377E 00
0-11.70	0.1311E 04	-7.5 TO 67.5	0.4130E-03	82.5-157.5	0.1355E-05	0	0- 75	0.1722E 00	90-165	0.1722E 00
0-11.70	0.1573E 04	-7.5 TO 82.5	0.3466E-03	82.5-172.5	0.1229E-05	0	0- 90	0.2066E 00	90-180	0.2066E 00
0-11.70	0.1835E 04	-7.5 TO 97.5	0.2975E-03	82.5-187.5	0.1136E-05	0	0-105	0.2410E 00	90-195	0.2410E 00

$r_2/r_1 = 0.01$ $d/r_1 = 1.011$ $\cosh \mu_1 = 1.0000$ $\cosh \mu_2 = 1.0990$ $\alpha_{2,max} = 105.00$ $\theta_{2,min} = 18.92$

0-11.70	0.2622E 03	-7.5 TO 7.5	0.9410E-03	82.5- 97.5	0.2929E-05	0	0- 15	0.3444E-01	90-105	0.3444E-01
0-11.70	0.5243E 03	-7.5 TO 22.5	0.8371E-03	82.5-112.5	0.2181E-05	0	0- 30	0.6887E-01	90-120	0.6887E-01
0-11.70	0.7865E 03	-7.5 TO 37.5	0.6907E-03	82.5-127.5	0.1787E-05	0	0- 45	0.1033E 00	90-135	0.1033E 00
0-11.70	0.1049E 04	-7.5 TO 52.5	0.5627E-03	82.5-142.5	0.1536E-05	0	0- 60	0.1377E 00	90-150	0.1377E 00
0-11.70	0.1311E 04	-7.5 TO 67.5	0.4632E-03	82.5-157.5	0.1360E-05	0	0- 75	0.1722E 00	90-165	0.1722E 00
0-11.70	0.1573E 04	-7.5 TO 82.5	0.3887E-03	82.5-172.5	0.1233E-05	0	0- 90	0.2066E 00	90-180	0.2066E 00
0-11.70	0.1835E 04	-7.5 TO 97.5	0.3336E-03	82.5-187.5	0.1140E-05	0	0-105	0.2410E 00	90-195	0.2410E 00

$r_2/r_1 = 0.01$ $d/r_1 = 1.011$ $\cosh \mu_1 = 1.0000$ $\cosh \mu_2 = 1.0990$ $\alpha_{2,max} = 120.00$ $\theta_{2,min} = 14.29$

0-11.70	0.2622E 03	-7.5 TO 7.5	0.9903E-03	82.5- 97.5	0.2932E-05	0	0- 15	0.3444E-01	90-105	0.3444E-01
0-11.70	0.5243E 03	-7.5 TO 22.5	0.8837E-03	82.5-112.5	0.2182E-05	0	0- 30	0.6887E-01	90-120	0.6887E-01
0-11.70	0.7865E 03	-7.5 TO 37.5	0.7320E-03	82.5-127.5	0.1788E-05	0	0- 45	0.1033E 00	90-135	0.1033E 00
0-11.70	0.1049E 04	-7.5 TO 52.5	0.5977E-03	82.5-142.5	0.1536E-05	0	0- 60	0.1377E 00	90-150	0.1377E 00
0-11.70	0.1311E 04	-7.5 TO 67.5	0.4925E-03	82.5-157.5	0.1361E-05	0	0- 75	0.1722E 00	90-165	0.1722E 00
0-11.70	0.1573E 04	-7.5 TO 82.5	0.4133E-03	82.5-172.5	0.1234E-05	0	0- 90	0.2066E 00	90-180	0.2066E 00
0-11.70	0.1835E 04	-7.5 TO 97.5	0.3546E-03	82.5-187.5	0.1141E-05	0	0-105	0.2410E 00	90-195	0.2410E 00

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 1.011$ $\cosh \mu_1 = 1.0000$ $\cosh \mu_2 = 1.0990$ $\alpha_{2,max} = 135.00$ $\theta_{2,min} = 10.28$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-11.70	0.2622E 03	-7.5 TO 7.5	0.1012E-02	82.5- 97.5	0.2932E-05	0	0- 15	0.3444E-01	90-105	0.3444E-01
0-11.70	0.5243E 03	-7.5 TO 22.5	0.9045E-03	82.5-112.5	0.2182E-05	0	0- 30	0.6887E-01	90-120	0.6887E-01
0-11.70	0.7865E 03	-7.5 TO 37.5	0.7506E-03	82.5-127.5	0.1788E-05	0	0- 45	0.1033E 00	90-135	0.1033E 00
0-11.70	0.1049E 04	-7.5 TO 52.5	0.6136E-03	82.5-142.5	0.1536E-05	0	0- 60	0.1377E 00	90-150	0.1377E 00
0-11.70	0.1311E 04	-7.5 TO 67.5	0.5057E-03	82.5-157.5	0.1361E-05	0	0- 75	0.1722E 00	90-165	0.1722E 00
0-11.70	0.1573E 04	-7.5 TO 82.5	0.4243E-03	82.5-172.5	0.1234E-05	0	0- 90	0.2066E 00	90-180	0.2066E 00
0-11.70	0.1835E 04	-7.5 TO 97.5	0.3641E-03	82.5-187.5	0.1141E-05	0	0-105	0.2410E 00	90-195	0.2410E 00

$r_2/r_1 = 0.01$ $d/r_1 = 1.011$ $\cosh \mu_1 = 1.0000$ $\cosh \mu_2 = 1.0990$ $\alpha_{2,max} = 150.00$ $\theta_{2,min} = 6.66$

0-11.70	0.2622E 03	-7.5 TO 7.5	0.1019E-02	82.5- 97.5	0.2932E-05	0	0- 15	0.3444E-01	90-105	0.3444E-01
0-11.70	0.5243E 03	-7.5 TO 22.5	0.9108E-03	82.5-112.5	0.2182E-05	0	0- 30	0.6887E-01	90-120	0.6887E-01
0-11.70	0.7865E 03	-7.5 TO 37.5	0.7561E-03	82.5-127.5	0.1788E-05	0	0- 45	0.1033E 00	90-135	0.1033E 00
0-11.70	0.1049E 04	-7.5 TO 52.5	0.6183E-03	82.5-142.5	0.1536E-05	0	0- 60	0.1377E 00	90-150	0.1377E 00
0-11.70	0.1311E 04	-7.5 TO 67.5	0.5095E-03	82.5-157.5	0.1361E-05	0	0- 75	0.1722E 00	90-165	0.1722E 00
0-11.70	0.1573E 04	-7.5 TO 82.5	0.4275E-03	82.5-172.5	0.1234E-05	0	0- 90	0.2066E 00	90-180	0.2066E 00
0-11.70	0.1835E 04	-7.5 TO 97.5	0.3668E-03	82.5-187.5	0.1141E-05	0	0-105	0.2410E 00	90-195	0.2410E 00

$r_2/r_1 = 0.01$ $d/r_1 = 1.011$ $\cosh \mu_1 = 1.0000$ $\cosh \mu_2 = 1.0990$ $\alpha_{2,max} = 165.00$ $\theta_{2,min} = 3.27$

0-11.70	0.2622E 03	-7.5 TO 7.5	0.1020E-02	82.5- 97.5	0.2932E-05	0	0- 15	0.3444E-01	90-105	0.3444E-01
0-11.70	0.5243E 03	-7.5 TO 22.5	0.9115E-03	82.5-112.5	0.2182E-05	0	0- 30	0.6887E-01	90-120	0.6887E-01
0-11.70	0.7865E 03	-7.5 TO 37.5	0.7567E-03	82.5-127.5	0.1788E-05	0	0- 45	0.1033E 00	90-135	0.1033E 00
0-11.70	0.1049E 04	-7.5 TO 52.5	0.6188E-03	82.5-142.5	0.1536E-05	0	0- 60	0.1377E 00	90-150	0.1377E 00
0-11.70	0.1311E 04	-7.5 TO 67.5	0.5099E-03	82.5-157.5	0.1361E-05	0	0- 75	0.1722E 00	90-165	0.1722E 00
0-11.70	0.1573E 04	-7.5 TO 82.5	0.4278E-03	82.5-172.5	0.1234E-05	0	0- 90	0.2066E 00	90-180	0.2066E 00
0-11.70	0.1835E 04	-7.5 TO 97.5	0.3671E-03	82.5-187.5	0.1141E-05	0	0-105	0.2410E 00	90-195	0.2410E 00

$r_2/r_1 = 0.01$ $d/r_1 = 1.011$ $\cosh \mu_1 = 1.0000$ $\cosh \mu_2 = 1.0990$ $\alpha_{2,max} = 168.30$ $\theta_{2,min} = 2.55$

0-11.70	0.2622E 03	-7.5 TO 7.5	0.1020E-02	82.5- 97.5	0.2932E-05	0	0- 15	0.3444E-01	90-105	0.3444E-01
0-11.70	0.5243E 03	-7.5 TO 22.5	0.9115E-03	82.5-112.5	0.2182E-05	0	0- 30	0.6887E-01	90-120	0.6887E-01
0-11.70	0.7865E 03	-7.5 TO 37.5	0.7567E-03	82.5-127.5	0.1788E-05	0	0- 45	0.1033E 00	90-135	0.1033E 00
0-11.70	0.1049E 04	-7.5 TO 52.5	0.6188E-03	82.5-142.5	0.1536E-05	0	0- 60	0.1377E 00	90-150	0.1377E 00
0-11.70	0.1311E 04	-7.5 TO 67.5	0.5099E-03	82.5-157.5	0.1361E-05	0	0- 75	0.1722E 00	90-165	0.1722E 00
0-11.70	0.1573E 04	-7.5 TO 82.5	0.4278E-03	82.5-172.5	0.1234E-05	0	0- 90	0.2066E 00	90-180	0.2066E 00
0-11.70	0.1835E 04	-7.5 TO 97.5	0.3671E-03	82.5-187.5	0.1141E-05	0	0-105	0.2410E 00	90-195	0.2410E 00

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2500$ $\cosh \mu_2 = 75.0025$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.80$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1586E-01	-7.5 TO 7.5	0.2533E-06	82.5- 97.5	0.2457E-06	0	0- 15	0.2846E-06	90-105	0.2846E-06
15-30.00	0.4650E-01	-7.5 TO 7.5	0.1564E-06	82.5- 97.5	0.1468E-06	15	0- 15	0.2214E-06	90-105	0.2103E-06
30-45.00	0.7397E-01	-7.5 TO 7.5	0.6499E-07	82.5- 97.5	0.5953E-07	30	0- 15	0.1071E-06	90-105	0.9799E-07
45-60.00	0.9640E-01	-7.5 TO 7.5	0.1458E-07	82.5- 97.5	0.1316E-07	45	0- 15	0.3488E-07	90-105	0.3123E-07
60-60.33	0.2327E-02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.3172E-01	-7.5 TO 22.5	0.2531E-06	82.5-112.5	0.2448E-06	0	0- 30	0.5692E-06	90-120	0.5692E-06
15-30.00	0.9300E-01	-7.5 TO 22.5	0.1562E-06	82.5-112.5	0.1456E-06	15	0- 30	0.4421E-06	90-120	0.4182E-06
30-45.00	0.1479E 00	-7.5 TO 22.5	0.6490E-07	82.5-112.5	0.5882E-07	30	0- 30	0.2136E-06	90-120	0.1940E-06
45-60.00	0.1928E 00	-7.5 TO 22.5	0.1456E-07	82.5-112.5	0.1298E-07	45	0- 30	0.6953E-07	90-120	0.6165E-07
60-60.33	0.4655E-02	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.4758E-01	-7.5 TO 37.5	0.2528E-06	82.5-127.5	0.2438E-06	0	0- 45	0.8537E-06	90-135	0.8537E-06
15-30.00	0.1395E 00	-7.5 TO 37.5	0.1558E-06	82.5-127.5	0.1444E-06	15	0- 45	0.6616E-06	90-135	0.6238E-06
30-45.00	0.2219E 00	-7.5 TO 37.5	0.6468E-07	82.5-127.5	0.5815E-07	30	0- 45	0.3191E-06	90-135	0.2881E-06
45-60.00	0.2892E 00	-7.5 TO 37.5	0.1450E-07	82.5-127.5	0.1280E-07	45	0- 45	0.1038E-06	90-135	0.9135E-07
60-60.33	0.6982E-02	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.6344E-01	-7.5 TO 52.5	0.2524E-06	82.5-142.5	0.2430E-06	0	0- 60	0.1138E-05	90-150	0.1138E-05
15-30.00	0.1860E 00	-7.5 TO 52.5	0.1553E-06	82.5-142.5	0.1433E-06	15	0- 60	0.8792E-06	90-150	0.8277E-06
30-45.00	0.2959E 00	-7.5 TO 52.5	0.6436E-07	82.5-142.5	0.5756E-07	30	0- 60	0.4231E-06	90-150	0.3808E-06
45-60.00	0.3856E 00	-7.5 TO 52.5	0.1442E-07	82.5-142.5	0.1265E-07	45	0- 60	0.1374E-06	90-150	0.1204E-06
60-60.33	0.9309E-02	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.7930E-01	-7.5 TO 67.5	0.2518E-06	82.5-157.5	0.2422E-06	0	0- 75	0.1423E-05	90-165	0.1423E-05
15-30.00	0.2325E 00	-7.5 TO 67.5	0.1545E-06	82.5-157.5	0.1424E-06	15	0- 75	0.1095E-05	90-165	0.1030E-05
30-45.00	0.3699E 00	-7.5 TO 67.5	0.6394E-07	82.5-157.5	0.5700E-07	30	0- 75	0.5252E-06	90-165	0.4724E-06
45-60.00	0.4820E 00	-7.5 TO 67.5	0.1431E-07	82.5-157.5	0.1251E-07	45	0- 75	0.1703E-06	90-165	0.1491E-06
60-60.33	0.1164E-01	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.9516E-01	-7.5 TO 82.5	0.2511E-06	82.5-172.5	0.2416E-06	0	0- 90	0.1707E-05	90-180	0.1707E-05
15-30.00	0.2790E 00	-7.5 TO 82.5	0.1537E-06	82.5-172.5	0.1416E-06	15	0- 90	0.1307E-05	90-180	0.1232E-05
30-45.00	0.4438E 00	-7.5 TO 82.5	0.6344E-07	82.5-172.5	0.5655E-07	30	0- 90	0.6254E-06	90-180	0.5634E-06
45-60.00	0.5784E 00	-7.5 TO 82.5	0.1418E-07	82.5-172.5	0.1239E-07	45	0- 90	0.2024E-06	90-180	0.1776E-06
60-60.33	0.1396E-01	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.1110E 00	-7.5 TO 97.5	0.2504E-06	82.5-187.5	0.2411E-06	0	0-105	0.1992E-05	90-195	0.1992E-05
15-30.00	0.3255E 00	-7.5 TO 97.5	0.1527E-06	82.5-187.5	0.1410E-06	15	0-105	0.1518E-05	90-195	0.1434E-05
30-45.00	0.5178E 00	-7.5 TO 97.5	0.6288E-07	82.5-187.5	0.5620E-07	30	0-105	0.7233E-06	90-195	0.6545E-06
45-60.00	0.6748E 00	-7.5 TO 97.5	0.1403E-07	82.5-187.5	0.1230E-07	45	0-105	0.2336E-06	90-195	0.2061E-06
60-60.33	0.1629E-01	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.

$r_2/r_1 = 0.01$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2500$ $\cosh \mu_2 = 75.0025$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 149.62$

0-15.00	0.1586E-01	-7.5 TO 7.5	0.9729E-06	82.5- 97.5	0.9154E-06	0	0- 15	0.1060E-05	90-105	0.1060E-05
15-30.00	0.4650E-01	-7.5 TO 7.5	0.6203E-06	82.5- 97.5	0.5471E-06	15	0- 15	0.8632E-06	90-105	0.7785E-06
30-45.00	0.7397E-01	-7.5 TO 7.5	0.2639E-06	82.5- 97.5	0.2219E-06	30	0- 15	0.4309E-06	90-105	0.3611E-06
45-60.00	0.9640E-01	-7.5 TO 7.5	0.6006E-07	82.5- 97.5	0.4910E-07	45	0- 15	0.1428E-06	90-105	0.1148E-06
60-60.33	0.2327E-02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.3172E-01	-7.5 TO 22.5	0.9719E-06	82.5-112.5	0.9079E-06	0	0- 30	0.2120E-05	90-120	0.2120E-05
15-30.00	0.9300E-01	-7.5 TO 22.5	0.6190E-06	82.5-112.5	0.5377E-06	15	0- 30	0.1721E-05	90-120	0.1538E-05
30-45.00	0.1479E 00	-7.5 TO 22.5	0.2632E-06	82.5-112.5	0.2165E-06	30	0- 30	0.8576E-06	90-120	0.7067E-06
45-60.00	0.1928E 00	-7.5 TO 22.5	0.5987E-07	82.5-112.5	0.4771E-07	45	0- 30	0.2839E-06	90-120	0.2235E-06
60-60.33	0.4655E-02	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.4758E-01	-7.5 TO 37.5	0.9697E-06	82.5-127.5	0.9009E-06	0	0- 45	0.3180E-05	90-135	0.3180E-05
15-30.00	0.1395E 00	-7.5 TO 37.5	0.6161E-06	82.5-127.5	0.5287E-06	15	0- 45	0.2569E-05	90-135	0.2281E-05
30-45.00	0.2219E 00	-7.5 TO 37.5	0.2615E-06	82.5-127.5	0.2114E-06	30	0- 45	0.1276E-05	90-135	0.1038E-05
45-60.00	0.2892E 00	-7.5 TO 37.5	0.5944E-07	82.5-127.5	0.4640E-07	45	0- 45	0.4218E-06	90-135	0.3266E-06
60-60.33	0.6982E-02	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.6344E-01	-7.5 TO 52.5	0.9663E-06	82.5-142.5	0.8944E-06	0	0- 60	0.4240E-05	90-150	0.4240E-05
15-30.00	0.1860E 00	-7.5 TO 52.5	0.6118E-06	82.5-142.5	0.5205E-06	15	0- 60	0.3404E-05	90-150	0.3010E-05
30-45.00	0.2959E 00	-7.5 TO 52.5	0.2590E-06	82.5-142.5	0.2067E-06	30	0- 60	0.1683E-05	90-150	0.1359E-05
45-60.00	0.3856E 00	-7.5 TO 52.5	0.5878E-07	82.5-142.5	0.4519E-07	45	0- 60	0.5550E-06	90-150	0.4252E-06
60-60.33	0.9309E-02	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.7930E-01	-7.5 TO 67.5	0.9618E-06	82.5-157.5	0.8887E-06	0	0- 75	0.5300E-05	90-165	0.5300E-05
15-30.00	0.2325E 00	-7.5 TO 67.5	0.6061E-06	82.5-157.5	0.5133E-06	15	0- 75	0.4221E-05	90-165	0.3729E-05
30-45.00	0.3699E 00	-7.5 TO 67.5	0.2558E-06	82.5-157.5	0.2026E-06	30	0- 75	0.2076E-05	90-165	0.1671E-05
45-60.00	0.4820E 00	-7.5 TO 67.5	0.5793E-07	82.5-157.5	0.4413E-07	45	0- 75	0.6825E-06	90-165	0.5206E-06
60-60.33	0.1164E-01	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.9516E-01	-7.5 TO 82.5	0.9566E-06	82.5-172.5	0.8839E-06	0	0- 90	0.6360E-05	90-180	0.6360E-05
15-30.00	0.2790E 00	-7.5 TO 82.5	0.5994E-06	82.5-172.5	0.5073E-06	15	0- 90	0.5019E-05	90-180	0.4443E-05
30-45.00	0.4438E 00	-7.5 TO 82.5	0.2519E-06	82.5-172.5	0.1992E-06	30	0- 90	0.2453E-05	90-180	0.1979E-05
45-60.00	0.5784E 00	-7.5 TO 82.5	0.5693E-07	82.5-172.5	0.4325E-07	45	0- 90	0.8038E-06	90-180	0.6144E-06
60-60.33	0.1396E-01	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.1110E 00	-7.5 TO 97.5	0.9507E-06	82.5-187.5	0.8802E-06	0	0-105	0.7419E-05	90-195	0.7419E-05
15-30.00	0.3255E 00	-7.5 TO 97.5	0.5920E-06	82.5-187.5	0.5027E-06	15	0-105	0.5798E-05	90-195	0.5157E-05
30-45.00	0.5178E 00	-7.5 TO 97.5	0.2476E-06	82.5-187.5	0.1965E-06	30	0-105	0.2814E-05	90-195	0.2288E-05
45-60.00	0.6748E 00	-7.5 TO 97.5	0.5581E-07	82.5-187.5	0.4257E-07	45	0-105	0.9186E-06	90-195	0.7082E-06
60-60.33	0.1629E-01	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2500$ $\cosh \mu_2 = 75.0025$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 134.46$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1586E-01	-7.5 TO 7.5	0.2009E-05	82.5- 97.5	0.1825E-05	0	0- 15	0.2113E-05	90-105	0.2113E-05
15-30.00	0.4650E-01	-7.5 TO 7.5	0.1321E-05	82.5- 97.5	0.1091E-05	15	0- 15	0.1807E-05	90-105	0.1541E-05
30-45.00	0.7397E-01	-7.5 TO 7.5	0.5750E-06	82.5- 97.5	0.4430E-06	30	0- 15	0.9307E-06	90-105	0.7115E-06
45-60.00	0.9640E-01	-7.5 TO 7.5	0.1327E-06	82.5- 97.5	0.9817E-07	45	0- 15	0.3138E-06	90-105	0.2257E-06
60-60.33	0.2327E-02	-7.5 TO 7.5	0.1422E-12	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.3172E-01	-7.5 TO 22.5	0.2002E-05	82.5-112.5	0.1802E-05	0	0- 30	0.4226E-05	90-120	0.4226E-05
15-30.00	0.9300E-01	-7.5 TO 22.5	0.1317E-05	82.5-112.5	0.1062E-05	15	0- 30	0.3598E-05	90-120	0.3024E-05
30-45.00	0.1479E 00	-7.5 TO 22.5	0.5728E-06	82.5-112.5	0.4262E-06	30	0- 30	0.1848E-05	90-120	0.1374E-05
45-60.00	0.1928E 00	-7.5 TO 22.5	0.1321E-06	82.5-112.5	0.9383E-07	45	0- 30	0.6222E-06	90-120	0.4321E-06
60-60.33	0.4655E-02	-7.5 TO 22.5	0.8164E-13	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.4758E-01	-7.5 TO 37.5	0.1995E-05	82.5-127.5	0.1780E-05	0	0- 45	0.6339E-05	90-135	0.6339E-05
15-30.00	0.1395E 00	-7.5 TO 37.5	0.1308E-05	82.5-127.5	0.1034E-05	15	0- 45	0.5357E-05	90-135	0.4453E-05
30-45.00	0.2219E 00	-7.5 TO 37.5	0.5676E-06	82.5-127.5	0.4102E-06	30	0- 45	0.2740E-05	90-135	0.1994E-05
45-60.00	0.2892E 00	-7.5 TO 37.5	0.1307E-06	82.5-127.5	0.8972E-07	45	0- 45	0.9202E-06	90-135	0.6212E-06
60-60.33	0.6982E-02	-7.5 TO 37.5	0.5443E-13	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.6344E-01	-7.5 TO 52.5	0.1985E-05	82.5-142.5	0.1760E-05	0	0- 60	0.8452E-05	90-150	0.8452E-05
15-30.00	0.1860E 00	-7.5 TO 52.5	0.1294E-05	82.5-142.5	0.1008E-05	15	0- 60	0.7073E-05	90-150	0.5840E-05
30-45.00	0.2959E 00	-7.5 TO 52.5	0.5597E-06	82.5-142.5	0.3956E-06	30	0- 60	0.3595E-05	90-150	0.2578E-05
45-60.00	0.3856E 00	-7.5 TO 52.5	0.1286E-06	82.5-142.5	0.8597E-07	45	0- 60	0.1204E-05	90-150	0.7963E-06
60-60.33	0.9309E-02	-7.5 TO 52.5	0.4082E-13	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.7930E-01	-7.5 TO 67.5	0.1971E-05	82.5-157.5	0.1742E-05	0	0- 75	0.1057E-04	90-165	0.1057E-04
15-30.00	0.2325E 00	-7.5 TO 67.5	0.1277E-05	82.5-157.5	0.9858E-06	15	0- 75	0.8735E-05	90-165	0.7196E-05
30-45.00	0.3699E 00	-7.5 TO 67.5	0.5495E-06	82.5-157.5	0.3827E-06	30	0- 75	0.4406E-05	90-165	0.3138E-05
45-60.00	0.4820E 00	-7.5 TO 67.5	0.1260E-06	82.5-157.5	0.8269E-07	45	0- 75	0.1469E-05	90-165	0.9616E-06
60-60.33	0.1164E-01	-7.5 TO 67.5	0.3266E-13	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.9516E-01	-7.5 TO 82.5	0.1954E-05	82.5-172.5	0.1727E-05	0	0- 90	0.1268E-04	90-180	0.1268E-04
15-30.00	0.2790E 00	-7.5 TO 82.5	0.1256E-05	82.5-172.5	0.9671E-06	15	0- 90	0.1034E-04	90-180	0.8536E-05
30-45.00	0.4438E 00	-7.5 TO 82.5	0.5374E-06	82.5-172.5	0.3721E-06	30	0- 90	0.5168E-05	90-180	0.3685E-05
45-60.00	0.5784E 00	-7.5 TO 82.5	0.1228E-06	82.5-172.5	0.7996E-07	45	0- 90	0.1715E-05	90-180	0.1122E-05
60-60.33	0.1396E-01	-7.5 TO 82.5	0.2721E-13	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.1110E 00	-7.5 TO 97.5	0.1936E-05	82.5-187.5	0.1715E-05	0	0-105	0.1479E-04	90-195	0.1479E-04
15-30.00	0.3255E 00	-7.5 TO 97.5	0.1232E-05	82.5-187.5	0.9526E-06	15	0-105	0.1188E-04	90-195	0.9877E-05
30-45.00	0.5178E 00	-7.5 TO 97.5	0.5239E-06	82.5-187.5	0.3638E-06	30	0-105	0.5880E-05	90-195	0.4231E-05
45-60.00	0.6748E 00	-7.5 TO 97.5	0.1193E-06	82.5-187.5	0.7786E-07	45	0-105	0.1941E-05	90-195	0.1282E-05
60-60.33	0.1629E-01	-7.5 TO 97.5	0.2333E-13	82.5-187.5	0.	60	0-105	0.	90-195	0.

$r_2/r_1 = 0.01$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2500$ $\cosh \mu_2 = 75.0025$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 119.34$

0-15.00	0.1586E-01	-7.5 TO 7.5	0.3112E-05	82.5- 97.5	0.2727E-05	0	0- 15	0.3156E-05	90-105	0.3156E-05
15-30.00	0.4650E-01	-7.5 TO 7.5	0.2123E-05	82.5- 97.5	0.1632E-05	15	0- 15	0.2851E-05	90-105	0.2284E-05
30-45.00	0.7397E-01	-7.5 TO 7.5	0.9458E-06	82.5- 97.5	0.6629E-06	30	0- 15	0.1517E-05	90-105	0.1048E-05
45-60.00	0.9640E-01	-7.5 TO 7.5	0.2212E-06	82.5- 97.5	0.1471E-06	45	0- 15	0.5203E-06	90-105	0.3315E-06
60-60.33	0.2327E-02	-7.5 TO 7.5	0.1100E-09	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.3172E-01	-7.5 TO 22.5	0.3105E-05	82.5-112.5	0.2677E-05	0	0- 30	0.6312E-05	90-120	0.6312E-05
15-30.00	0.9300E-01	-7.5 TO 22.5	0.2114E-05	82.5-112.5	0.1569E-05	15	0- 30	0.5667E-05	90-120	0.4442E-05
30-45.00	0.1479E 00	-7.5 TO 22.5	0.9409E-06	82.5-112.5	0.6270E-06	30	0- 30	0.3006E-05	90-120	0.1992E-05
45-60.00	0.1928E 00	-7.5 TO 22.5	0.2199E-06	82.5-112.5	0.1379E-06	45	0- 30	0.1029E-05	90-120	0.6218E-06
60-60.33	0.4655E-02	-7.5 TO 22.5	0.1103E-09	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.4758E-01	-7.5 TO 37.5	0.3090E-05	82.5-127.5	0.2630E-05	0	0- 45	0.9469E-05	90-135	0.9469E-05
15-30.00	0.1395E 00	-7.5 TO 37.5	0.2095E-05	82.5-127.5	0.1509E-05	15	0- 45	0.8417E-05	90-135	0.6487E-05
30-45.00	0.2219E 00	-7.5 TO 37.5	0.9298E-06	82.5-127.5	0.5929E-06	30	0- 45	0.4439E-05	90-135	0.2844E-05
45-60.00	0.2892E 00	-7.5 TO 37.5	0.2170E-06	82.5-127.5	0.1292E-06	45	0- 45	0.1515E-05	90-135	0.8753E-06
60-60.33	0.6982E-02	-7.5 TO 37.5	0.9122E-10	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.6344E-01	-7.5 TO 52.5	0.3067E-05	82.5-142.5	0.2587E-05	0	0- 60	0.1262E-04	90-150	0.1262E-04
15-30.00	0.1860E 00	-7.5 TO 52.5	0.2066E-05	82.5-142.5	0.1455E-05	15	0- 60	0.1107E-04	90-150	0.8441E-05
30-45.00	0.2959E 00	-7.5 TO 52.5	0.9128E-06	82.5-142.5	0.5617E-06	30	0- 60	0.5795E-05	90-150	0.3621E-05
45-60.00	0.3856E 00	-7.5 TO 52.5	0.2125E-06	82.5-142.5	0.1212E-06	45	0- 60	0.1970E-05	90-150	0.1099E-05
60-60.33	0.9309E-02	-7.5 TO 52.5	0.7034E-10	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.7930E-01	-7.5 TO 67.5	0.3037E-05	82.5-157.5	0.2549E-05	0	0- 75	0.1578E-04	90-165	0.1578E-04
15-30.00	0.2325E 00	-7.5 TO 67.5	0.2028E-05	82.5-157.5	0.1407E-05	15	0- 75	0.1361E-04	90-165	0.1033E-04
30-45.00	0.3699E 00	-7.5 TO 67.5	0.8909E-06	82.5-157.5	0.5344E-06	30	0- 75	0.7056E-05	90-165	0.4346E-05
45-60.00	0.4820E 00	-7.5 TO 67.5	0.2067E-06	82.5-157.5	0.1143E-06	45	0- 75	0.2387E-05	90-165	0.1302E-05
60-60.33	0.1164E-01	-7.5 TO 67.5	0.5627E-10	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.9516E-01	-7.5 TO 82.5	0.3002E-05	82.5-172.5	0.2517E-05	0	0- 90	0.1894E-04	90-180	0.1894E-04
15-30.00	0.2790E 00	-7.5 TO 82.5	0.1983E-05	82.5-172.5	0.1367E-05	15	0- 90	0.1603E-04	90-180	0.1219E-04
30-45.00	0.4438E 00	-7.5 TO 82.5	0.8650E-06	82.5-172.5	0.5116E-06	30	0- 90	0.8212E-05	90-180	0.5043E-05
45-60.00	0.5784E 00	-7.5 TO 82.5	0.1999E-06	82.5-172.5	0.1085E-06	45	0- 90	0.2762E-05	90-180	0.1495E-05
60-60.33	0.1396E-01	-7.5 TO 82.5	0.4689E-10	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.1110E 00	-7.5 TO 97.5	0.2963E-05	82.5-187.5	0.2493E-05	0	0-105	0.2209E-04	90-195	0.2209E-04
15-30.00	0.3255E 00	-7.5 TO 97.5	0.1933E-05	82.5-187.5	0.1336E-05	15	0-105	0.1831E-04	90-195	0.1404E-04
30-45.00	0.5178E 00	-7.5 TO 97.5	0.8361E-06	82.5-187.5	0.4941E-06	30	0-105	0.9260E-05	90-195	0.5740E-05
45-60.00	0.6748E 00	-7.5 TO 97.5	0.1924E-06	82.5-187.5	0.1040E-06	45	0-105	0.3093E-05	90-195	0.1687E-05
60-60.33	0.1629E-01	-7.5 TO 97.5	0.4019E-10	82.5-187.5	0.	60	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2500$ $\cosh \mu_2 = 75.0025$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 104.26$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1586E-01	-7.5 TO 7.5	0.4034E-05	82.5- 97.5	0.3376E-05	0	0- 15	0.3907E-05	90-105	0.3907E-05
15-30.00	0.4650E-01	-7.5 TO 7.5	0.2862E-05	82.5- 97.5	0.2021E-05	15	0- 15	0.3766E-05	90-105	0.2798E-05
30-45.00	0.7397E-01	-7.5 TO 7.5	0.1307E-05	82.5- 97.5	0.8221E-06	30	0- 15	0.2077E-05	90-105	0.1274E-05
45-60.00	0.9640E-01	-7.5 TO 7.5	0.3098E-06	82.5- 97.5	0.1828E-06	45	0- 15	0.7250E-06	90-105	0.4013E-06
60-60.33	0.2327E-02	-7.5 TO 7.5	0.5896E-09	82.5- 97.5	0.	60	0- 15	0.1558E-09	90-105	0.
0-15.00	0.3172E-01	-7.5 TO 22.5	0.4022E-05	82.5-112.5	0.3292E-05	0	0- 30	0.7815E-05	90-120	0.7815E-05
15-30.00	0.9300E-01	-7.5 TO 22.5	0.2848E-05	82.5-112.5	0.1914E-05	15	0- 30	0.7474E-05	90-120	0.5381E-05
30-45.00	0.1479E 00	-7.5 TO 22.5	0.1299E-05	82.5-112.5	0.7608E-06	30	0- 30	0.4106E-05	90-120	0.2370E-05
45-60.00	0.1928E 00	-7.5 TO 22.5	0.3075E-06	82.5-112.5	0.1670E-06	45	0- 30	0.1430E-05	90-120	0.7322E-06
60-60.33	0.4655E-02	-7.5 TO 22.5	0.5338E-09	82.5-112.5	0.	60	0- 30	0.1558E-09	90-120	0.
0-15.00	0.4758E-01	-7.5 TO 37.5	0.3997E-05	82.5-127.5	0.3212E-05	0	0- 45	0.1172E-04	90-135	0.1172E-04
15-30.00	0.1395E 00	-7.5 TO 37.5	0.2815E-05	82.5-127.5	0.1813E-05	15	0- 45	0.1107E-04	90-135	0.7772E-05
30-45.00	0.2219E 00	-7.5 TO 37.5	0.1279E-05	82.5-127.5	0.7027E-06	30	0- 45	0.6039E-05	90-135	0.3310E-05
45-60.00	0.2892E 00	-7.5 TO 37.5	0.3024E-06	82.5-127.5	0.1523E-06	45	0- 45	0.2097E-05	90-135	0.1003E-05
60-60.33	0.6982E-02	-7.5 TO 37.5	0.4555E-09	82.5-127.5	0.	60	0- 45	0.1558E-09	90-135	0.
0-15.00	0.6344E-01	-7.5 TO 52.5	0.3958E-05	82.5-142.5	0.3138E-05	0	0- 60	0.1563E-04	90-150	0.1563E-04
15-30.00	0.1860E 00	-7.5 TO 52.5	0.2764E-05	82.5-142.5	0.1720E-05	15	0- 60	0.1450E-04	90-150	0.1001E-04
30-45.00	0.2959E 00	-7.5 TO 52.5	0.1250E-05	82.5-142.5	0.6512E-06	30	0- 60	0.7840E-05	90-150	0.4132E-05
45-60.00	0.3856E 00	-7.5 TO 52.5	0.2947E-06	82.5-142.5	0.1395E-06	45	0- 60	0.2709E-05	90-150	0.1232E-05
60-60.33	0.9309E-02	-7.5 TO 52.5	0.3700E-09	82.5-142.5	0.	60	0- 60	0.1558E-09	90-150	0.
0-15.00	0.7930E-01	-7.5 TO 67.5	0.3907E-05	82.5-157.5	0.3073E-05	0	0- 75	0.1954E-04	90-165	0.1954E-04
15-30.00	0.2325E 00	-7.5 TO 67.5	0.2699E-05	82.5-157.5	0.1639E-05	15	0- 75	0.1774E-04	90-165	0.1213E-04
30-45.00	0.3699E 00	-7.5 TO 67.5	0.1213E-05	82.5-157.5	0.6083E-06	30	0- 75	0.9477E-05	90-165	0.4880E-05
45-60.00	0.4820E 00	-7.5 TO 67.5	0.2848E-06	82.5-157.5	0.1291E-06	45	0- 75	0.3257E-05	90-165	0.1437E-05
60-60.33	0.1164E-01	-7.5 TO 67.5	0.2988E-09	82.5-157.5	0.	60	0- 75	0.1974E-09	90-165	0.
0-15.00	0.9516E-01	-7.5 TO 82.5	0.3847E-05	82.5-172.5	0.3019E-05	0	0- 90	0.2344E-04	90-180	0.2344E-04
15-30.00	0.2790E 00	-7.5 TO 82.5	0.2622E-05	82.5-172.5	0.1574E-05	15	0- 90	0.2076E-04	90-180	0.1420E-04
30-45.00	0.4438E 00	-7.5 TO 82.5	0.1168E-05	82.5-172.5	0.5761E-06	30	0- 90	0.1094E-04	90-180	0.5593E-05
45-60.00	0.5784E 00	-7.5 TO 82.5	0.2732E-06	82.5-172.5	0.1209E-06	45	0- 90	0.3732E-05	90-180	0.1629E-05
60-60.33	0.1396E-01	-7.5 TO 82.5	0.2494E-09	82.5-172.5	0.	60	0- 90	0.2028E-09	90-180	0.
0-15.00	0.1110E 00	-7.5 TO 97.5	0.3779E-05	82.5-187.5	0.2978E-05	0	0-105	0.2735E-04	90-195	0.2735E-04
15-30.00	0.3255E 00	-7.5 TO 97.5	0.2536E-05	82.5-187.5	0.1523E-05	15	0-105	0.2356E-04	90-195	0.1627E-04
30-45.00	0.5178E 00	-7.5 TO 97.5	0.1119E-05	82.5-187.5	0.5481E-06	30	0-105	0.1221E-04	90-195	0.6305E-05
45-60.00	0.6748E 00	-7.5 TO 97.5	0.2602E-06	82.5-187.5	0.1147E-06	45	0-105	0.4133E-05	90-195	0.1822E-05
60-60.33	0.1629E-01	-7.5 TO 97.5	0.2138E-09	82.5-187.5	0.	60	0-105	0.2028E-09	90-195	0.

$r_2/r_1 = 0.01$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2500$ $\cosh \mu_2 = 75.0025$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 89.24$

0-15.00	0.1586E-01	-7.5 TO 7.5	0.4566E-05	82.5- 97.5	0.3602E-05	0	0- 15	0.4167E-05	90-105	0.4167E-05
15-30.00	0.4650E-01	-7.5 TO 7.5	0.3393E-05	82.5- 97.5	0.2159E-05	15	0- 15	0.4362E-05	90-105	0.2946E-05
30-45.00	0.7397E-01	-7.5 TO 7.5	0.1592E-05	82.5- 97.5	0.8793E-06	30	0- 15	0.2505E-05	90-105	0.1330E-05
45-60.00	0.9640E-01	-7.5 TO 7.5	0.3823E-06	82.5- 97.5	0.1958E-06	45	0- 15	0.8907E-06	90-105	0.4176E-06
60-60.33	0.2327E-02	-7.5 TO 7.5	0.1233E-08	82.5- 97.5	0.	60	0- 15	0.3216E-09	90-105	0.
0-15.00	0.3172E-01	-7.5 TO 22.5	0.4549E-05	82.5-112.5	0.3483E-05	0	0- 30	0.8333E-05	90-120	0.8333E-05
15-30.00	0.9300E-01	-7.5 TO 22.5	0.3372E-05	82.5-112.5	0.2013E-05	15	0- 30	0.8637E-05	90-120	0.5605E-05
30-45.00	0.1479E 00	-7.5 TO 22.5	0.1580E-05	82.5-112.5	0.7975E-06	30	0- 30	0.4938E-05	90-120	0.2439E-05
45-60.00	0.1928E 00	-7.5 TO 22.5	0.3790E-06	82.5-112.5	0.1750E-06	45	0- 30	0.1752E-05	90-120	0.7501E-06
60-60.33	0.4655E-02	-7.5 TO 22.5	0.1123E-08	82.5-112.5	0.	60	0- 30	0.3216E-09	90-120	0.
0-15.00	0.4758E-01	-7.5 TO 37.5	0.4511E-05	82.5-127.5	0.3375E-05	0	0- 45	0.1250E-04	90-135	0.1250E-04
15-30.00	0.1395E 00	-7.5 TO 37.5	0.3323E-05	82.5-127.5	0.1884E-05	15	0- 45	0.1275E-04	90-135	0.8028E-05
30-45.00	0.2219E 00	-7.5 TO 37.5	0.1551E-05	82.5-127.5	0.7277E-06	30	0- 45	0.7231E-05	90-135	0.3379E-05
45-60.00	0.2892E 00	-7.5 TO 37.5	0.3715E-06	82.5-127.5	0.1577E-06	45	0- 45	0.2556E-05	90-135	0.1021E-05
60-60.33	0.6982E-02	-7.5 TO 37.5	0.9746E-09	82.5-127.5	0.	60	0- 45	0.3216E-09	90-135	0.
0-15.00	0.6344E-01	-7.5 TO 52.5	0.4454E-05	82.5-142.5	0.3279E-05	0	0- 60	0.1667E-04	90-150	0.1667E-04
15-30.00	0.1860E 00	-7.5 TO 52.5	0.3249E-05	82.5-142.5	0.1774E-05	15	0- 60	0.1662E-04	90-150	0.1027E-04
30-45.00	0.2959E 00	-7.5 TO 52.5	0.1508E-05	82.5-142.5	0.6699E-06	30	0- 60	0.9328E-05	90-150	0.4201E-05
45-60.00	0.3856E 00	-7.5 TO 52.5	0.3601E-06	82.5-142.5	0.1436E-06	45	0- 60	0.3281E-05	90-150	0.1250E-05
60-60.33	0.9309E-02	-7.5 TO 52.5	0.8092E-09	82.5-142.5	0.	60	0- 60	0.3216E-09	90-150	0.
0-15.00	0.7930E-01	-7.5 TO 67.5	0.4379E-05	82.5-157.5	0.3196E-05	0	0- 75	0.2083E-04	90-165	0.2083E-04
15-30.00	0.2325E 00	-7.5 TO 67.5	0.3154E-05	82.5-157.5	0.1683E-05	15	0- 75	0.2020E-04	90-165	0.1240E-04
30-45.00	0.3699E 00	-7.5 TO 67.5	0.1453E-05	82.5-157.5	0.6232E-06	30	0- 75	0.1119E-04	90-165	0.4949E-05
45-60.00	0.4820E 00	-7.5 TO 67.5	0.3455E-06	82.5-157.5	0.1323E-06	45	0- 75	0.3910E-05	90-165	0.1455E-05
60-60.33	0.1164E-01	-7.5 TO 67.5	0.6622E-09	82.5-157.5	0.	60	0- 75	0.4494E-09	90-165	0.
0-15.00	0.9516E-01	-7.5 TO 82.5	0.4291E-05	82.5-172.5	0.3129E-05	0	0- 90	0.2500E-04	90-180	0.2500E-04
15-30.00	0.2790E 00	-7.5 TO 82.5	0.3040E-05	82.5-172.5	0.1610E-05	15	0- 90	0.2347E-04	90-180	0.1447E-04
30-45.00	0.4438E 00	-7.5 TO 82.5	0.1388E-05	82.5-172.5	0.5865E-06	30	0- 90	0.1278E-04	90-180	0.5662E-05
45-60.00	0.5784E 00	-7.5 TO 82.5	0.3283E-06	82.5-172.5	0.1236E-06	45	0- 90	0.4433E-05	90-180	0.1647E-05
60-60.33	0.1396E-01	-7.5 TO 82.5	0.5540E-09	82.5-172.5	0.	60	0- 90	0.4971E-09	90-180	0.
0-15.00	0.1110E 00	-7.5 TO 97.5	0.4192E-05	82.5-187.5	0.3078E-05	0	0-105	0.2917E-04	90-195	0.2917E-04
15-30.00	0.3255E 00	-7.5 TO 97.5	0.2914E-05	82.5-187.5	0.1554E-05	15	0-105	0.2642E-04	90-195	0.1654E-04
30-45.00	0.5178E 00	-7.5 TO 97.5	0.1315E-05	82.5-187.5	0.5588E-06	30	0-105	0.1411E-04	90-195	0.6374E-05
45-60.00	0.6748E 00	-7.5 TO 97.5	0.3094E-06	82.5-187.5	0.1170E-06	45	0-105	0.4850E-05	90-195	0.1840E-05
60-60.33	0.1629E-01	-7.5 TO 97.5	0.4750E-09	82.5-187.5	0.	60	0-105	0.4971E-09	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2500$ $\cosh \mu_2 = 75.0025$ $\alpha_{2,max} = 105.00$ $\theta_{2,min} = 74.26$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1586E-01	-7.5 TO 7.5	0.4663E-05	82.5- 97.5	0.3602E-05	0	0- 15	0.4167E-05	90-105	0.4167E-05
15-30.00	0.4650E-01	-7.5 TO 7.5	0.3628E-05	82.5- 97.5	0.2160E-05	15	0- 15	0.4536E-05	90-105	0.2946E-05
30-45.00	0.7397E-01	-7.5 TO 7.5	0.1755E-05	82.5- 97.5	0.8802E-06	30	0- 15	0.2731E-05	90-105	0.1330E-05
45-60.00	0.9640E-01	-7.5 TO 7.5	0.4271E-06	82.5- 97.5	0.1960E-06	45	0- 15	0.9908E-06	90-105	0.4176E-06
60-60.33	0.2327E-02	-7.5 TO 7.5	0.1800E-08	82.5- 97.5	0.	60	0- 15	0.4419E-09	90-105	0.
0-15.00	0.3172E-01	-7.5 TO 22.5	0.4643E-05	82.5-112.5	0.3484E-05	0	0- 30	0.8333E-05	90-120	0.8333E-05
15-30.00	0.9300E-01	-7.5 TO 22.5	0.3600E-05	82.5-112.5	0.2013E-05	15	0- 30	0.8962E-05	90-120	0.5605E-05
30-45.00	0.1479E 00	-7.5 TO 22.5	0.1739E-05	82.5-112.5	0.7979E-06	30	0- 30	0.5367E-05	90-120	0.2439E-05
45-60.00	0.1928E 00	-7.5 TO 22.5	0.4227E-06	82.5-112.5	0.1752E-06	45	0- 30	0.1943E-05	90-120	0.7501E-06
60-60.33	0.4655E-02	-7.5 TO 22.5	0.1645E-08	82.5-112.5	0.	60	0- 30	0.4419E-09	90-120	0.
0-15.00	0.4758E-01	-7.5 TO 37.5	0.4598E-05	82.5-127.5	0.3375E-05	0	0- 45	0.1250E-04	90-135	0.1250E-04
15-30.00	0.1395E 00	-7.5 TO 37.5	0.3536E-05	82.5-127.5	0.1884E-05	15	0- 45	0.1318E-04	90-135	0.8028E-05
30-45.00	0.2219E 00	-7.5 TO 37.5	0.1701E-05	82.5-127.5	0.7280E-06	30	0- 45	0.7820E-05	90-135	0.3379E-05
45-60.00	0.2892E 00	-7.5 TO 37.5	0.4128E-06	82.5-127.5	0.1578E-06	45	0- 45	0.2820E-05	90-135	0.1021E-05
60-60.33	0.6982E-02	-7.5 TO 37.5	0.1431E-08	82.5-127.5	0.	60	0- 45	0.4419E-09	90-135	0.
0-15.00	0.6344E-01	-7.5 TO 52.5	0.4531E-05	82.5-142.5	0.3279E-05	0	0- 60	0.1667E-04	90-150	0.1667E-04
15-30.00	0.1860E 00	-7.5 TO 52.5	0.3440E-05	82.5-142.5	0.1774E-05	15	0- 60	0.1712E-04	90-150	0.1027E-04
30-45.00	0.2959E 00	-7.5 TO 52.5	0.1645E-05	82.5-142.5	0.6701E-06	30	0- 60	0.1001E-04	90-150	0.4201E-05
45-60.00	0.3856E 00	-7.5 TO 52.5	0.3979E-06	82.5-142.5	0.1436E-06	45	0- 60	0.3593E-05	90-150	0.1250E-05
60-60.33	0.9309E-02	-7.5 TO 52.5	0.1192E-08	82.5-142.5	0.	60	0- 60	0.4419E-09	90-150	0.
0-15.00	0.7930E-01	-7.5 TO 67.5	0.4445E-05	82.5-157.5	0.3196E-05	0	0- 75	0.2083E-04	90-165	0.2083E-04
15-30.00	0.2325E 00	-7.5 TO 67.5	0.3318E-05	82.5-157.5	0.1683E-05	15	0- 75	0.2073E-04	90-165	0.1240E-04
30-45.00	0.3699E 00	-7.5 TO 67.5	0.1572E-05	82.5-157.5	0.6234E-06	30	0- 75	0.1191E-04	90-165	0.4949E-05
45-60.00	0.4820E 00	-7.5 TO 67.5	0.3787E-06	82.5-157.5	0.1324E-06	45	0- 75	0.4241E-05	90-165	0.1455E-05
60-60.33	0.1164E-01	-7.5 TO 67.5	0.9779E-09	82.5-157.5	0.	60	0- 75	0.5951E-09	90-165	0.
0-15.00	0.9516E-01	-7.5 TO 82.5	0.4347E-05	82.5-172.5	0.3129E-05	0	0- 90	0.2500E-04	90-180	0.2500E-04
15-30.00	0.2790E 00	-7.5 TO 82.5	0.3181E-05	82.5-172.5	0.1610E-05	15	0- 90	0.2400E-04	90-180	0.1447E-04
30-45.00	0.4438E 00	-7.5 TO 82.5	0.1490E-05	82.5-172.5	0.5867E-06	30	0- 90	0.1351E-04	90-180	0.5662E-05
45-60.00	0.5784E 00	-7.5 TO 82.5	0.3567E-06	82.5-172.5	0.1236E-06	45	0- 90	0.4766E-05	90-180	0.1647E-05
60-60.33	0.1396E-01	-7.5 TO 82.5	0.8181E-09	82.5-172.5	0.	60	0- 90	0.6514E-09	90-180	0.
0-15.00	0.1110E 00	-7.5 TO 97.5	0.4241E-05	82.5-187.5	0.3078E-05	0	0-105	0.2917E-04	90-195	0.2917E-04
15-30.00	0.3255E 00	-7.5 TO 97.5	0.3035E-05	82.5-187.5	0.1554E-05	15	0-105	0.2694E-04	90-195	0.1654E-04
30-45.00	0.5178E 00	-7.5 TO 97.5	0.1402E-05	82.5-187.5	0.5589E-06	30	0-105	0.1484E-04	90-195	0.6374E-05
45-60.00	0.6748E 00	-7.5 TO 97.5	0.3338E-06	82.5-187.5	0.1170E-06	45	0-105	0.5184E-05	90-195	0.1840E-05
60-60.33	0.1629E-01	-7.5 TO 97.5	0.7014E-09	82.5-187.5	0.	60	0-105	0.6514E-09	90-195	0.

$r_2/r_1 = 0.01$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2500$ $\cosh \mu_2 = 75.0025$ $\alpha_{2,max} = 119.67$ $\theta_{2,min} = 59.67$

0-15.00	0.1586E-01	-7.5 TO 7.5	0.4663E-05	82.5- 97.5	0.3602E-05	0	0- 15	0.4167E-05	90-105	0.4167E-05
15-30.00	0.4650E-01	-7.5 TO 7.5	0.3642E-05	82.5- 97.5	0.2160E-05	15	0- 15	0.4536E-05	90-105	0.2946E-05
30-45.00	0.7397E-01	-7.5 TO 7.5	0.1789E-05	82.5- 97.5	0.8802E-06	30	0- 15	0.2762E-05	90-105	0.1330E-05
45-60.00	0.9640E-01	-7.5 TO 7.5	0.4401E-06	82.5- 97.5	0.1960E-06	45	0- 15	0.1018E-05	90-105	0.4176E-06
60-60.33	0.2327E-02	-7.5 TO 7.5	0.2002E-08	82.5- 97.5	0.	60	0- 15	0.4822E-09	90-105	0.
0-15.00	0.3172E-01	-7.5 TO 22.5	0.4643E-05	82.5-112.5	0.3484E-05	0	0- 30	0.8333E-05	90-120	0.8333E-05
15-30.00	0.9300E-01	-7.5 TO 22.5	0.3613E-05	82.5-112.5	0.2013E-05	15	0- 30	0.8962E-05	90-120	0.5605E-05
30-45.00	0.1479E 00	-7.5 TO 22.5	0.1770E-05	82.5-112.5	0.7979E-06	30	0- 30	0.5419E-05	90-120	0.2439E-05
45-60.00	0.1928E 00	-7.5 TO 22.5	0.4349E-06	82.5-112.5	0.1752E-06	45	0- 30	0.1990E-05	90-120	0.7501E-06
60-60.33	0.4655E-02	-7.5 TO 22.5	0.1827E-08	82.5-112.5	0.	60	0- 30	0.4822E-09	90-120	0.
0-15.00	0.4758E-01	-7.5 TO 37.5	0.4598E-05	82.5-127.5	0.3375E-05	0	0- 45	0.1250E-04	90-135	0.1250E-04
15-30.00	0.1395E 00	-7.5 TO 37.5	0.3546E-05	82.5-127.5	0.1884E-05	15	0- 45	0.1318E-04	90-135	0.8028E-05
30-45.00	0.2219E 00	-7.5 TO 37.5	0.1728E-05	82.5-127.5	0.7280E-06	30	0- 45	0.7878E-05	90-135	0.3379E-05
45-60.00	0.2892E 00	-7.5 TO 37.5	0.4234E-06	82.5-127.5	0.1578E-06	45	0- 45	0.2877E-05	90-135	0.1021E-05
60-60.33	0.6982E-02	-7.5 TO 37.5	0.1581E-08	82.5-127.5	0.	60	0- 45	0.4822E-09	90-135	0.
0-15.00	0.6344E-01	-7.5 TO 52.5	0.4531E-05	82.5-142.5	0.3279E-05	0	0- 60	0.1667E-04	90-150	0.1667E-04
15-30.00	0.1860E 00	-7.5 TO 52.5	0.3448E-05	82.5-142.5	0.1774E-05	15	0- 60	0.1712E-04	90-150	0.1027E-04
30-45.00	0.2959E 00	-7.5 TO 52.5	0.1666E-05	82.5-142.5	0.6701E-06	30	0- 60	0.1007E-04	90-150	0.4201E-05
45-60.00	0.3856E 00	-7.5 TO 52.5	0.4065E-06	82.5-142.5	0.1436E-06	45	0- 60	0.3651E-05	90-150	0.1250E-05
60-60.33	0.9309E-02	-7.5 TO 52.5	0.1310E-08	82.5-142.5	0.	60	0- 60	0.4822E-09	90-150	0.
0-15.00	0.7930E-01	-7.5 TO 67.5	0.4445E-05	82.5-157.5	0.3196E-05	0	0- 75	0.2083E-04	90-165	0.2083E-04
15-30.00	0.2325E 00	-7.5 TO 67.5	0.3325E-05	82.5-157.5	0.1683E-05	15	0- 75	0.2073E-04	90-165	0.1240E-04
30-45.00	0.3699E 00	-7.5 TO 67.5	0.1590E-05	82.5-157.5	0.6234E-06	30	0- 75	0.1197E-04	90-165	0.4949E-05
45-60.00	0.4820E 00	-7.5 TO 67.5	0.3856E-06	82.5-157.5	0.1324E-06	45	0- 75	0.4300E-05	90-165	0.1455E-05
60-60.33	0.1164E-01	-7.5 TO 67.5	0.1073E-08	82.5-157.5	0.	60	0- 75	0.6355E-09	90-165	0.
0-15.00	0.9516E-01	-7.5 TO 82.5	0.4347E-05	82.5-172.5	0.3129E-05	0	0- 90	0.2500E-04	90-180	0.2500E-04
15-30.00	0.2790E 00	-7.5 TO 82.5	0.3186E-05	82.5-172.5	0.1610E-05	15	0- 90	0.2400E-04	90-180	0.1447E-04
30-45.00	0.4438E 00	-7.5 TO 82.5	0.1504E-05	82.5-172.5	0.5867E-06	30	0- 90	0.1357E-04	90-180	0.5662E-05
45-60.00	0.5784E 00	-7.5 TO 82.5	0.3625E-06	82.5-172.5	0.1236E-06	45	0- 90	0.4825E-05	90-180	0.1647E-05
60-60.33	0.1396E-01	-7.5 TO 82.5	0.8976E-09	82.5-172.5	0.	60	0- 90	0.6918E-09	90-180	0.
0-15.00	0.1110E 00	-7.5 TO 97.5	0.4241E-05	82.5-187.5	0.3078E-05	0	0-105	0.2917E-04	90-195	0.2917E-04
15-30.00	0.3255E 00	-7.5 TO 97.5	0.3039E-05	82.5-187.5	0.1554E-05	15	0-105	0.2694E-04	90-195	0.1654E-04
30-45.00	0.5178E 00	-7.5 TO 97.5	0.1415E-05	82.5-187.5	0.5589E-06	30	0-105	0.1490E-04	90-195	0.6374E-05
45-60.00	0.6748E 00	-7.5 TO 97.5	0.3387E-06	82.5-187.5	0.1170E-06	45	0-105	0.5242E-05	90-195	0.1840E-05
60-60.33	0.1629E-01	-7.5 TO 97.5	0.7695E-09	82.5-187.5	0.	60	0-105	0.6918E-09	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6666$ $\cosh \mu_2 = 133.3350$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.89$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5018E-02	-7.5 TO 7.5	0.6688E-07	82.5- 97.5	0.6587E-07	0	0- 15	0.7046E-07	90-105	0.7046E-07
15-30.00	0.1471E-01	-7.5 TO 7.5	0.5257E-07	82.5- 97.5	0.5086E-07	15	0- 15	0.6291E-07	90-105	0.6132E-07
30-45.00	0.2340E-01	-7.5 TO 7.5	0.3228E-07	82.5- 97.5	0.3076E-07	30	0- 15	0.4331E-07	90-105	0.4132E-07
45-60.00	0.3050E-01	-7.5 TO 7.5	0.1455E-07	82.5- 97.5	0.1372E-07	45	0- 15	0.2298E-07	90-105	0.2160E-07
60-70.73	0.2504E-01	-7.5 TO 7.5	0.3468E-08	82.5- 97.5	0.3245E-08	60	0- 15	0.7582E-C8	90-105	0.7061E-08
0-15.00	0.1004E-01	-7.5 TO 22.5	0.6686E-07	82.5-112.5	0.6574E-07	0	0- 30	0.1409E-06	90-120	0.1409E-06
15-30.00	0.2942E-01	-7.5 TO 22.5	0.5254E-07	82.5-112.5	0.5064E-07	15	0- 30	0.1257E-06	90-120	0.1223E-06
30-45.00	0.4681E-01	-7.5 TO 22.5	0.3226E-07	82.5-112.5	0.3056E-07	30	0- 30	0.8650E-07	90-120	0.8220E-07
45-60.00	0.6100E-01	-7.5 TO 22.5	0.1454E-07	82.5-112.5	0.1362E-07	45	0- 30	0.4587E-07	90-120	0.4289E-07
60-70.73	0.5007E-01	-7.5 TO 22.5	0.3464E-08	82.5-112.5	0.3216E-08	60	0- 30	0.1513E-07	90-120	0.1400E-07
0-15.00	0.1505E-01	-7.5 TO 37.5	0.6682E-07	82.5-127.5	0.6561E-07	0	0- 45	0.2114E-06	90-135	0.2114E-06
15-30.00	0.4414E-01	-7.5 TO 37.5	0.5248E-07	82.5-127.5	0.5043E-07	15	0- 45	0.1884E-06	90-135	0.1829E-06
30-45.00	0.7021E-01	-7.5 TO 37.5	0.3220E-07	82.5-127.5	0.3037E-07	30	0- 45	0.1295E-06	90-135	0.1227E-06
45-60.00	0.9150E-01	-7.5 TO 37.5	0.1451E-07	82.5-127.5	0.1352E-07	45	0- 45	0.6860E-07	90-135	0.6390E-07
60-70.73	0.7511E-01	-7.5 TO 37.5	0.3455E-08	82.5-127.5	0.3189E-08	60	0- 45	0.2262E-07	90-135	0.2085E-07
0-15.00	0.2007E-01	-7.5 TO 52.5	0.6676E-07	82.5-142.5	0.6550E-07	0	0- 60	0.2818E-06	90-150	0.2818E-06
15-30.00	0.5885E-01	-7.5 TO 52.5	0.5237E-07	82.5-142.5	0.5023E-07	15	0- 60	0.2507E-06	90-150	0.2433E-06
30-45.00	0.9361E-01	-7.5 TO 52.5	0.3211E-07	82.5-142.5	0.3020E-07	30	0- 60	0.1721E-06	90-150	0.1628E-06
45-60.00	0.1220E 00	-7.5 TO 52.5	0.1446E-07	82.5-142.5	0.1342E-07	45	0- 60	0.9111E-07	90-150	0.8469E-07
60-70.73	0.1001E 00	-7.5 TO 52.5	0.3442E-08	82.5-142.5	0.3164E-08	60	0- 60	0.3002E-07	90-150	0.2760E-07
0-15.00	0.2509E-01	-7.5 TO 67.5	0.6668E-07	82.5-157.5	0.6540E-07	0	0- 75	0.3523E-C6	90-165	0.3523E-06
15-30.00	0.7356E-01	-7.5 TO 67.5	0.5224E-07	82.5-157.5	0.5006E-07	15	0- 75	0.3128E-06	90-165	0.3035E-06
30-45.00	0.1170E 00	-7.5 TO 67.5	0.3199E-07	82.5-157.5	0.3005E-07	30	0- 75	0.2143E-06	90-165	0.2027E-06
45-60.00	0.1525E 00	-7.5 TO 67.5	0.1439E-07	82.5-157.5	0.1334E-07	45	0- 75	0.1133E-C6	90-165	0.1053E-06
60-70.73	0.1252E 00	-7.5 TO 67.5	0.3425E-08	82.5-157.5	0.3142E-08	60	0- 75	0.3732E-07	90-165	0.3430E-07
0-15.00	0.3011E-01	-7.5 TO 82.5	0.6659E-07	82.5-172.5	0.6531E-07	0	0- 90	0.4227E-06	90-180	0.4227E-06
15-30.00	0.8827E-01	-7.5 TO 82.5	0.5209E-07	82.5-172.5	0.4992E-07	15	0- 90	0.3745E-06	90-180	0.3636E-06
30-45.00	0.1404E 00	-7.5 TO 82.5	0.3185E-07	82.5-172.5	0.2992E-07	30	0- 90	0.2561E-06	90-180	0.2425E-06
45-60.00	0.1830E 00	-7.5 TO 82.5	0.1432E-07	82.5-172.5	0.1327E-07	45	0- 90	0.1353E-06	90-180	0.1259E-06
60-70.73	0.1502E 00	-7.5 TO 82.5	0.3404E-08	82.5-172.5	0.3124E-08	60	0- 90	0.4450E-07	90-180	0.4096E-07
0-15.00	0.3513E-01	-7.5 TO 97.5	0.6649E-07	82.5-187.5	0.6525E-07	0	0-105	0.4932E-06	90-195	0.4932E-06
15-30.00	0.1030E 00	-7.5 TO 97.5	0.5191E-07	82.5-187.5	0.4981E-07	15	0-105	0.4358E-06	90-195	0.4237E-06
30-45.00	0.1638E 00	-7.5 TO 97.5	0.3169E-07	82.5-187.5	0.2982E-07	30	0-105	0.2974E-C6	90-195	0.2823E-06
45-60.00	0.2135E 00	-7.5 TO 97.5	0.1423E-07	82.5-187.5	0.1322E-07	45	0-105	0.1569E-06	90-195	0.1464E-06
60-70.73	0.1752E 00	-7.5 TO 97.5	0.3381E-08	82.5-187.5	0.3110E-08	60	0-105	0.5156E-07	90-195	0.4762E-07

$r_2/r_1 = 0.01$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6666$ $\cosh \mu_2 = 133.3350$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 149.78$

0-15.00	0.5018E-02	-7.5 TO 7.5	0.2533E-06	82.5- 97.5	0.2456E-06	0	0- 15	0.2627E-06	90-105	0.2627E-06
15-30.00	0.1471E-01	-7.5 TO 7.5	0.2028E-06	82.5- 97.5	0.1896E-06	15	0- 15	0.2401E-06	90-105	0.2279E-06
30-45.00	0.2340E-01	-7.5 TO 7.5	0.1264E-06	82.5- 97.5	0.1147E-06	30	0- 15	0.1684E-06	90-105	0.1532E-06
45-60.00	0.3050E-01	-7.5 TO 7.5	0.5754E-07	82.5- 97.5	0.5119E-07	45	0- 15	0.9049E-07	90-105	0.7992E-07
60-70.73	0.2504E-01	-7.5 TO 7.5	0.1362E-07	82.5- 97.5	0.1211E-07	60	0- 15	0.3010E-07	90-105	0.2610E-07
0-15.00	0.1004E-01	-7.5 TO 22.5	0.2532E-06	82.5-112.5	0.2446E-06	0	0- 30	0.5254E-06	90-120	0.5254E-06
15-30.00	0.2942E-01	-7.5 TO 22.5	0.2025E-06	82.5-112.5	0.1879E-06	15	0- 30	0.4795E-06	90-120	0.4530E-06
30-45.00	0.4681E-01	-7.5 TO 22.5	0.1262E-06	82.5-112.5	0.1132E-06	30	0- 30	0.3359E-06	90-120	0.3029E-06
45-60.00	0.6100E-01	-7.5 TO 22.5	0.5743E-07	82.5-112.5	0.5037E-07	45	0- 30	0.1803E-06	90-120	0.1575E-06
60-70.73	0.5007E-01	-7.5 TO 22.5	0.1379E-07	82.5-112.5	0.1189E-07	60	0- 30	0.5996E-07	90-120	0.5132E-07
0-15.00	0.1505E-01	-7.5 TO 37.5	0.2529E-06	82.5-127.5	0.2436E-06	0	0- 45	0.7881E-06	90-135	0.7881E-06
15-30.00	0.4414E-01	-7.5 TO 37.5	0.2020E-06	82.5-127.5	0.1863E-06	15	0- 45	0.7175E-06	90-135	0.6757E-06
30-45.00	0.7021E-01	-7.5 TO 37.5	0.1257E-06	82.5-127.5	0.1118E-06	30	0- 45	0.5016E-06	90-135	0.4496E-06
45-60.00	0.9150E-01	-7.5 TO 37.5	0.5718E-07	82.5-127.5	0.4959E-07	45	0- 45	0.2690E-06	90-135	0.2329E-06
60-70.73	0.7511E-01	-7.5 TO 37.5	0.1372E-07	82.5-127.5	0.1168E-07	60	0- 45	0.8935E-07	90-135	0.7574E-07
0-15.00	0.2007E-01	-7.5 TO 52.5	0.2524E-06	82.5-142.5	0.2428E-06	0	0- 60	0.1051E-05	90-150	0.1051E-05
15-30.00	0.5885E-01	-7.5 TO 52.5	0.2012E-06	82.5-142.5	0.1848E-06	15	0- 60	0.9534E-06	90-150	0.8964E-06
30-45.00	0.9361E-01	-7.5 TO 52.5	0.1250E-06	82.5-142.5	0.1104E-06	30	0- 60	0.6649E-06	90-150	0.5938E-06
45-60.00	0.1220E 00	-7.5 TO 52.5	0.5680E-07	82.5-142.5	0.4888E-07	45	0- 60	0.3558E-06	90-150	0.3067E-06
60-70.73	0.1001E 00	-7.5 TO 52.5	0.1362E-07	82.5-142.5	0.1149E-07	60	0- 60	0.1181E-06	90-150	0.9952E-07
0-15.00	0.2509E-01	-7.5 TO 67.5	0.2518E-06	82.5-157.5	0.2420E-06	0	0- 75	0.1313E-05	90-165	0.1313E-05
15-30.00	0.7356E-01	-7.5 TO 67.5	0.2002E-06	82.5-157.5	0.1835E-06	15	0- 75	0.1187E-05	90-165	0.1116E-05
30-45.00	0.1170E 00	-7.5 TO 67.5	0.1241E-06	82.5-157.5	0.1093E-06	30	0- 75	0.8250E-06	90-165	0.7363E-06
45-60.00	0.1525E 00	-7.5 TO 67.5	0.5631E-07	82.5-157.5	0.4825E-07	45	0- 75	0.4406E-06	90-165	0.3792E-06
60-70.73	0.1252E 00	-7.5 TO 67.5	0.1349E-07	82.5-157.5	0.1133E-07	60	0- 75	0.1460E-06	90-165	0.1228E-06
0-15.00	0.3011E-01	-7.5 TO 82.5	0.2511E-06	82.5-172.5	0.2413E-06	0	0- 90	0.1576E-05	90-180	0.1576E-05
15-30.00	0.8827E-01	-7.5 TO 82.5	0.1990E-06	82.5-172.5	0.1825E-06	15	0- 90	0.1418E-05	90-180	0.1334E-05
30-45.00	0.1404E 00	-7.5 TO 82.5	0.1231E-06	82.5-172.5	0.1083E-06	30	0- 90	0.9817E-06	90-180	0.8778E-06
45-60.00	0.1830E 00	-7.5 TO 82.5	0.5573E-07	82.5-172.5	0.4773E-07	45	0- 90	0.5230E-06	90-180	0.4510E-06
60-70.73	0.1502E 00	-7.5 TO 82.5	0.1333E-07	82.5-172.5	0.1119E-07	60	0- 90	0.1730E-06	90-180	0.1459E-06
0-15.00	0.3513E-01	-7.5 TO 97.5	0.2503E-06	82.5-187.5	0.2408E-06	0	0-105	0.1839E-05	90-195	0.1839E-05
15-30.00	0.1030E 00	-7.5 TO 97.5	0.1977E-06	82.5-187.5	0.1816E-06	15	0-105	0.1646E-05	90-195	0.1553E-05
30-45.00	0.1638E 00	-7.5 TO 97.5	0.1219E-06	82.5-187.5	0.1076E-06	30	0-105	0.1135E-05	90-195	0.1019E-05
45-60.00	0.2135E 00	-7.5 TO 97.5	0.5508E-07	82.5-187.5	0.4733E-07	45	0-105	0.6029E-06	90-195	0.5229E-06
60-70.73	0.1752E 00	-7.5 TO 97.5	0.1316E-07	82.5-187.5	0.1108E-07	60	0-105	0.1991E-06	90-195	0.1690E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6666$ $\cosh \mu_2 = 133.3350$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 134.70$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5018E-02	-7.5 TO 7.5	0.5147E-06	82.5- 97.5	0.4904E-06	0	0- 15	0.5245E-06	90-105	0.5245E-06
15-30.00	0.1471E-01	-7.5 TO 7.5	0.4199E-06	82.5- 97.5	0.3787E-06	15	0- 15	0.4919E-06	90-105	0.4535E-06
30-45.00	0.2340E-01	-7.5 TO 7.5	0.2659E-06	82.5- 97.5	0.2291E-06	30	0- 15	0.3518E-06	90-105	0.3039E-06
45-60.00	0.3050E-01	-7.5 TO 7.5	0.1222E-06	82.5- 97.5	0.1023E-06	45	0- 15	0.1915E-06	90-105	0.1583E-06
60-70.73	0.2504E-01	-7.5 TO 7.5	0.2959E-07	82.5- 97.5	0.2421E-07	60	0- 15	0.6420E-07	90-105	0.5165E-07
0-15.00	0.1004E-01	-7.5 TO 22.5	0.5143E-06	82.5-112.5	0.4873E-06	0	0- 30	0.1049E-05	90-120	0.1049E-05
15-30.00	0.2942E-01	-7.5 TO 22.5	0.4192E-06	82.5-112.5	0.3734E-06	15	0- 30	0.9814E-06	90-120	0.8983E-06
30-45.00	0.4681E-01	-7.5 TO 22.5	0.2652E-06	82.5-112.5	0.2244E-06	30	0- 30	0.7007E-06	90-120	0.5971E-06
45-60.00	0.6100E-01	-7.5 TO 22.5	0.1219E-06	82.5-112.5	0.9972E-07	45	0- 30	0.3809E-06	90-120	0.3091E-06
60-70.73	0.5007E-01	-7.5 TO 22.5	0.2949E-07	82.5-112.5	0.2353E-07	60	0- 30	0.1276E-06	90-120	0.1005E-06
0-15.00	0.1505E-01	-7.5 TO 37.5	0.5133E-06	82.5-127.5	0.4843E-06	0	0- 45	0.1574E-05	90-135	0.1574E-05
15-30.00	0.4414E-01	-7.5 TO 37.5	0.4176E-06	82.5-127.5	0.3684E-06	15	0- 45	0.1466E-05	90-135	0.1335E-05
30-45.00	0.7021E-01	-7.5 TO 37.5	0.2638E-06	82.5-127.5	0.2199E-06	30	0- 45	0.1044E-05	90-135	0.8807E-06
45-60.00	0.9150E-01	-7.5 TO 37.5	0.1211E-06	82.5-127.5	0.9728E-07	45	0- 45	0.5665E-06	90-135	0.4534E-06
60-70.73	0.7511E-01	-7.5 TO 37.5	0.2928E-07	82.5-127.5	0.2289E-07	60	0- 45	0.1896E-06	90-135	0.1469E-06
0-15.00	0.2007E-01	-7.5 TO 52.5	0.5119E-06	82.5-142.5	0.4815E-06	0	0- 60	0.2098E-05	90-150	0.2098E-05
15-30.00	0.5885E-01	-7.5 TO 52.5	0.4152E-06	82.5-142.5	0.3637E-06	15	0- 60	0.1945E-05	90-150	0.1766E-05
30-45.00	0.9361E-01	-7.5 TO 52.5	0.2616E-06	82.5-142.5	0.2157E-06	30	0- 60	0.1379E-05	90-150	0.1157E-05
45-60.00	0.1220E 00	-7.5 TO 52.5	0.1199E-06	82.5-142.5	0.9505E-07	45	0- 60	0.7466E-06	90-150	0.5922E-06
60-70.73	0.1001E 00	-7.5 TO 52.5	0.2896E-07	82.5-142.5	0.2230E-07	60	0- 60	0.2495E-06	90-150	0.1913E-06
0-15.00	0.2509E-01	-7.5 TO 67.5	0.5100E-06	82.5-157.5	0.4791E-06	0	0- 75	0.2623E-05	90-165	0.2623E-05
15-30.00	0.7356E-01	-7.5 TO 67.5	0.4120E-06	82.5-157.5	0.3596E-06	15	0- 75	0.2416E-05	90-165	0.2193E-05
30-45.00	0.1170E 00	-7.5 TO 67.5	0.2588E-06	82.5-157.5	0.2121E-06	30	0- 75	0.1705E-05	90-165	0.1427E-05
45-60.00	0.1525E 00	-7.5 TO 67.5	0.1184E-06	82.5-157.5	0.9308E-07	45	0- 75	0.9200E-06	90-165	0.7273E-06
60-70.73	0.1252E 00	-7.5 TO 67.5	0.2854E-07	82.5-157.5	0.2178E-07	60	0- 75	0.3068E-06	90-165	0.2343E-06
0-15.00	0.3011E-01	-7.5 TO 82.5	0.5078E-06	82.5-172.5	0.4771E-06	0	0- 90	0.3147E-05	90-180	0.3147E-05
15-30.00	0.8827E-01	-7.5 TO 82.5	0.4082E-06	82.5-172.5	0.3562E-06	15	0- 90	0.2879E-05	90-180	0.2617E-05
30-45.00	0.1404E 00	-7.5 TO 82.5	0.2554E-06	82.5-172.5	0.2091E-06	30	0- 90	0.2020E-05	90-180	0.1694E-05
45-60.00	0.1830E 00	-7.5 TO 82.5	0.1165E-06	82.5-172.5	0.9145E-07	45	0- 90	0.1086E-05	90-180	0.8604E-06
60-70.73	0.1502E 00	-7.5 TO 82.5	0.2805E-07	82.5-172.5	0.2135E-07	60	0- 90	0.3614E-06	90-180	0.2765E-06
0-15.00	0.3513E-01	-7.5 TO 97.5	0.5053E-06	82.5-187.5	0.4755E-06	0	0-105	0.3672E-05	90-195	0.3672E-05
15-30.00	0.1030E 00	-7.5 TO 97.5	0.4040E-06	82.5-187.5	0.3536E-06	15	0-105	0.3332E-05	90-195	0.3041E-05
30-45.00	0.1638E 00	-7.5 TO 97.5	0.2517E-06	82.5-187.5	0.2067E-06	30	0-105	0.2324E-05	90-195	0.1962E-05
45-60.00	0.2135E 00	-7.5 TO 97.5	0.1145E-06	82.5-187.5	0.9019E-07	45	0-105	0.1244E-05	90-195	0.9934E-06
60-70.73	0.1752E 00	-7.5 TO 97.5	0.2750E-07	82.5-187.5	0.2102E-07	60	0-105	0.4130E-06	90-195	0.3187E-06

$r_2/r_1 = 0.01$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6666$ $\cosh \mu_2 = 133.3350$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 119.63$

0-15.00	0.5018E-02	-7.5 TO 7.5	0.7861E-06	82.5- 97.5	0.7341E-06	0	0- 15	0.7852E-06	90-105	0.7852E-06
15-30.00	0.1471E-01	-7.5 TO 7.5	0.6553E-06	82.5- 97.5	0.5670E-06	15	0- 15	0.7582E-06	90-105	0.6760E-06
30-45.00	0.2340E-01	-7.5 TO 7.5	0.4219E-06	82.5- 97.5	0.3431E-06	30	0- 15	0.5541E-06	90-105	0.4515E-06
45-60.00	0.3050E-01	-7.5 TO 7.5	0.1960E-06	82.5- 97.5	0.1532E-06	45	0- 15	0.3057E-06	90-105	0.2346E-06
60-70.73	0.2504E-01	-7.5 TO 7.5	0.4778E-07	82.5- 97.5	0.3630E-07	60	0- 15	0.1033E-06	90-105	0.7648E-07
0-15.00	0.1004E-01	-7.5 TO 22.5	0.7852E-06	82.5-112.5	0.7274E-06	0	0- 30	0.1570E-05	90-120	0.1570E-05
15-30.00	0.2942E-01	-7.5 TO 22.5	0.6537E-06	82.5-112.5	0.5556E-06	15	0- 30	0.1511E-05	90-120	0.1334E-05
30-45.00	0.4681E-01	-7.5 TO 22.5	0.4205E-06	82.5-112.5	0.3330E-06	30	0- 30	0.1102E-05	90-120	0.8800E-06
45-60.00	0.6100E-01	-7.5 TO 22.5	0.1952E-06	82.5-112.5	0.1477E-06	45	0- 30	0.6072E-06	90-120	0.4533E-06
60-70.73	0.5007E-01	-7.5 TO 22.5	0.4758E-07	82.5-112.5	0.3486E-07	60	0- 30	0.2050E-06	90-120	0.1470E-06
0-15.00	0.1505E-01	-7.5 TO 37.5	0.7832E-06	82.5-127.5	0.7210E-06	0	0- 45	0.2355E-05	90-135	0.2355E-05
15-30.00	0.4414E-01	-7.5 TO 37.5	0.6503E-06	82.5-127.5	0.5448E-06	15	0- 45	0.2255E-05	90-135	0.1975E-05
30-45.00	0.7021E-01	-7.5 TO 37.5	0.4174E-06	82.5-127.5	0.3233E-06	30	0- 45	0.1638E-05	90-135	0.1288E-05
45-60.00	0.9150E-01	-7.5 TO 37.5	0.1936E-06	82.5-127.5	0.1425E-06	45	0- 45	0.9003E-06	90-135	0.6579E-06
60-70.73	0.7511E-01	-7.5 TO 37.5	0.4713E-07	82.5-127.5	0.3349E-07	60	0- 45	0.3036E-06	90-135	0.2123E-06
0-15.00	0.2007E-01	-7.5 TO 52.5	0.7801E-06	82.5-142.5	0.7151E-06	0	0- 60	0.3141E-05	90-150	0.3141E-05
15-30.00	0.5885E-01	-7.5 TO 52.5	0.6451E-06	82.5-142.5	0.5349E-06	15	0- 60	0.2985E-05	90-150	0.2602E-05
30-45.00	0.9361E-01	-7.5 TO 52.5	0.4128E-06	82.5-142.5	0.3145E-06	30	0- 60	0.2157E-05	90-150	0.1679E-05
45-60.00	0.1220E 00	-7.5 TO 52.5	0.1910E-06	82.5-142.5	0.1378E-06	45	0- 60	0.1182E-05	90-150	0.8510E-06
60-70.73	0.1001E 00	-7.5 TO 52.5	0.4644E-07	82.5-142.5	0.3225E-07	60	0- 60	0.3977E-06	90-150	0.2733E-06
0-15.00	0.2509E-01	-7.5 TO 67.5	0.7761E-06	82.5-157.5	0.7099E-06	0	0- 75	0.3926E-05	90-165	0.3926E-05
15-30.00	0.7356E-01	-7.5 TO 67.5	0.6383E-06	82.5-157.5	0.5261E-06	15	0- 75	0.3699E-05	90-165	0.3220E-05
30-45.00	0.1170E 00	-7.5 TO 67.5	0.4067E-06	82.5-157.5	0.3067E-06	30	0- 75	0.2655E-05	90-165	0.2059E-05
45-60.00	0.1525E 00	-7.5 TO 67.5	0.1877E-06	82.5-157.5	0.1336E-06	45	0- 75	0.1449E-05	90-165	0.1036E-05
60-70.73	0.1252E 00	-7.5 TO 67.5	0.4554E-07	82.5-157.5	0.3116E-07	60	0- 75	0.4863E-06	90-165	0.3314E-06
0-15.00	0.3011E-01	-7.5 TO 82.5	0.7713E-06	82.5-172.5	0.7056E-06	0	0- 90	0.4711E-05	90-180	0.4711E-05
15-30.00	0.8827E-01	-7.5 TO 82.5	0.6302E-06	82.5-172.5	0.5188E-06	15	0- 90	0.4394E-05	90-180	0.3833E-05
30-45.00	0.1404E 00	-7.5 TO 82.5	0.3995E-06	82.5-172.5	0.3002E-06	30	0- 90	0.3130E-05	90-180	0.2433E-05
45-60.00	0.1830E 00	-7.5 TO 82.5	0.1838E-06	82.5-172.5	0.1301E-06	45	0- 90	0.1700E-05	90-180	0.1217E-05
60-70.73	0.1502E 00	-7.5 TO 82.5	0.4449E-07	82.5-172.5	0.3025E-07	60	0- 90	0.5690E-06	90-180	0.3878E-06
0-15.00	0.3513E-01	-7.5 TO 97.5	0.7660E-06	82.5-187.5	0.7023E-06	0	0-105	0.5496E-05	90-195	0.5496E-05
15-30.00	0.1030E 00	-7.5 TO 97.5	0.6212E-06	82.5-187.5	0.5132E-06	15	0-105	0.5070E-05	90-195	0.4447E-05
30-45.00	0.1638E 00	-7.5 TO 97.5	0.3914E-06	82.5-187.5	0.2952E-06	30	0-105	0.3582E-05	90-195	0.2806E-05
45-60.00	0.2135E 00	-7.5 TO 97.5	0.1794E-06	82.5-187.5	0.1274E-06	45	0-105	0.1934E-05	90-195	0.1397E-05
60-70.73	0.1752E 00	-7.5 TO 97.5	0.4332E-07	82.5-187.5	0.2955E-07	60	0-105	0.6454E-06	90-195	0.4443E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

r_2/r_1 = 0.01 d/r_1 = 3.000 $\cosh \mu_1$ = 1.6666 $\cosh \mu_2$ = 133.3350 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 104.58

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5018E-02	-7.5 TO 7.5	0.1000E-05	82.5- 97.5	0.9110E-06	0	0- 15	0.9744E-06	90-105	0.9744E-06
15-30.00	0.1471E-01	-7.5 TO 7.5	0.8551E-06	82.5- 97.5	0.7038E-06	15	0- 15	0.9754E-06	90-105	0.8344E-06
30-45.00	0.2340E-01	-7.5 TO 7.5	0.5611E-06	82.5- 97.5	0.4260E-06	30	0- 15	0.7308E-06	90-105	0.5548E-06
45-60.00	0.3050E-01	-7.5 TO 7.5	0.2636E-06	82.5- 97.5	0.1903E-06	45	0- 15	0.4095E-06	90-105	0.2874E-06
60-70.73	0.2504E-01	-7.5 TO 7.5	0.6472E-07	82.5- 97.5	0.4512E-07	60	0- 15	0.1396E-06	90-105	0.9358E-07
0-15.00	0.1004E-01	-7.5 TO 22.5	0.9986E-06	82.5-112.5	0.8995E-06	0	0- 30	0.1949E-05	90-120	0.1949E-05
15-30.00	0.2942E-01	-7.5 TO 22.5	0.8525E-06	82.5-112.5	0.6843E-06	15	0- 30	0.1942E-05	90-120	0.1637E-05
30-45.00	0.4681E-01	-7.5 TO 22.5	0.5588E-06	82.5-112.5	0.4086E-06	30	0- 30	0.1451E-05	90-120	0.1070E-05
45-60.00	0.6100E-01	-7.5 TO 22.5	0.2623E-06	82.5-112.5	0.1809E-06	45	0- 30	0.8115E-06	90-120	0.5477E-06
60-70.73	0.5007E-01	-7.5 TO 22.5	0.6438E-07	82.5-112.5	0.4267E-07	60	0- 30	0.2763E-06	90-120	0.1771E-06
0-15.00	0.1505E-01	-7.5 TO 37.5	0.9952E-06	82.5-127.5	0.8886E-06	0	0- 45	0.2923E-05	90-135	0.2923E-05
15-30.00	0.4414E-01	-7.5 TO 37.5	0.8466E-06	82.5-127.5	0.6657E-06	15	0- 45	0.2893E-05	90-135	0.2412E-05
30-45.00	0.7021E-01	-7.5 TO 37.5	0.5535E-06	82.5-127.5	0.3921E-06	30	0- 45	0.2151E-05	90-135	0.1551E-05
45-60.00	0.9150E-01	-7.5 TO 37.5	0.2595E-06	82.5-127.5	0.1720E-06	45	0- 45	0.1199E-05	90-135	0.7838E-06
60-70.73	0.7511E-01	-7.5 TO 37.5	0.6360E-07	82.5-127.5	0.4036E-07	60	0- 45	0.4076E-06	90-135	0.2516E-06
0-15.00	0.2007E-01	-7.5 TO 52.5	0.9899E-06	82.5-142.5	0.8785E-06	0	0- 60	0.3898E-05	90-150	0.3898E-05
15-30.00	0.5885E-01	-7.5 TO 52.5	0.8376E-06	82.5-142.5	0.6487E-06	15	0- 60	0.3820E-05	90-150	0.3163E-05
30-45.00	0.9361E-01	-7.5 TO 52.5	0.5455E-06	82.5-142.5	0.3769E-06	30	0- 60	0.2821E-05	90-150	0.2003E-05
45-60.00	0.1220E 00	-7.5 TO 52.5	0.2551E-06	82.5-142.5	0.1639E-06	45	0- 60	0.1567E-05	90-150	0.1000E-05
60-70.73	0.1001E 00	-7.5 TO 52.5	0.6241E-07	82.5-142.5	0.3825E-07	60	0- 60	0.5313E-06	90-150	0.3188E-06
0-15.00	0.2509E-01	-7.5 TO 67.5	0.9830E-06	82.5-157.5	0.8696E-06	0	0- 75	0.4872E-05	90-165	0.4872E-05
15-30.00	0.7356E-01	-7.5 TO 67.5	0.8260E-06	82.5-157.5	0.6337E-06	15	0- 75	0.4719E-05	90-165	0.3899E-05
30-45.00	0.1170E 00	-7.5 TO 67.5	0.5350E-06	82.5-157.5	0.3636E-06	30	0- 75	0.3456E-05	90-165	0.2434E-05
45-60.00	0.1525E 00	-7.5 TO 67.5	0.2494E-06	82.5-157.5	0.1567E-06	45	0- 75	0.1910E-05	90-165	0.1203E-05
60-70.73	0.1252E 00	-7.5 TO 67.5	0.6089E-07	82.5-157.5	0.3642E-07	60	0- 75	0.6457E-06	90-165	0.3812E-06
0-15.00	0.3011E-01	-7.5 TO 82.5	0.9749E-06	82.5-172.5	0.8622E-06	0	0- 90	0.5846E-05	90-180	0.5846E-05
15-30.00	0.8827E-01	-7.5 TO 82.5	0.8121E-06	82.5-172.5	0.6213E-06	15	0- 90	0.5586E-05	90-180	0.4626E-05
30-45.00	0.1404E 00	-7.5 TO 82.5	0.5227E-06	82.5-172.5	0.3526E-06	30	0- 90	0.4052E-05	90-180	0.2856E-05
45-60.00	0.1830E 00	-7.5 TO 82.5	0.2427E-06	82.5-172.5	0.1508E-06	45	0- 90	0.2225E-05	90-180	0.1399E-05
60-70.73	0.1502E 00	-7.5 TO 82.5	0.5909E-07	82.5-172.5	0.3492E-07	60	0- 90	0.7498E-06	90-180	0.4412E-06
0-15.00	0.3513E-01	-7.5 TO 97.5	0.9657E-06	82.5-187.5	0.8565E-06	0	0-105	0.6821E-05	90-195	0.6821E-05
15-30.00	0.1030E 00	-7.5 TO 97.5	0.7966E-06	82.5-187.5	0.6116E-06	15	0-105	0.6420E-05	90-195	0.5353E-05
30-45.00	0.1638E 00	-7.5 TO 97.5	0.5088E-06	82.5-187.5	0.3440E-06	30	0-105	0.4607E-05	90-195	0.3277E-05
45-60.00	0.2135E 00	-7.5 TO 97.5	0.2352E-06	82.5-187.5	0.1463E-06	45	0-105	0.2513E-05	90-195	0.1594E-05
60-70.73	0.1752E 00	-7.5 TO 97.5	0.5709E-07	82.5-187.5	0.3377E-07	60	0-105	0.8434E-06	90-195	0.5012E-06

r_2/r_1 = 0.01 d/r_1 = 3.000 $\cosh \mu_1$ = 1.6666 $\cosh \mu_2$ = 133.3350 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 89.57

0-15.00	0.5018E-02	-7.5 TO 7.5	0.1105E-05	82.5- 97.5	0.9740E-06	0	0- 15	0.1042E-05	90-105	0.1042E-05
15-30.00	0.1471E-01	-7.5 TO 7.5	0.9757E-06	82.5- 97.5	0.7527E-06	15	0- 15	0.1093E-05	90-105	0.8860E-06
30-45.00	0.2340E-01	-7.5 TO 7.5	0.6549E-06	82.5- 97.5	0.4558E-06	30	0- 15	0.8446E-06	90-105	0.5840E-06
45-60.00	0.3050E-01	-7.5 TO 7.5	0.3116E-06	82.5- 97.5	0.2037E-06	45	0- 15	0.4817E-06	90-105	0.3025E-06
60-70.73	0.2504E-01	-7.5 TO 7.5	0.7701E-07	82.5- 97.5	0.4833E-07	60	0- 15	0.1657E-06	90-105	0.9835E-07
0-15.00	0.1004E-01	-7.5 TO 22.5	0.1103E-05	82.5-112.5	0.9575E-06	0	0- 30	0.2083E-05	90-120	0.2089E-05
15-30.00	0.2942E-01	-7.5 TO 22.5	0.9718E-06	82.5-112.5	0.7251E-06	15	0- 30	0.2174E-05	90-120	0.1728E-05
30-45.00	0.4681E-01	-7.5 TO 22.5	0.6515E-06	82.5-112.5	0.4315E-06	30	0- 30	0.1673E-05	90-120	0.1119E-05
45-60.00	0.6100E-01	-7.5 TO 22.5	0.3097E-06	82.5-112.5	0.1907E-06	45	0- 30	0.9525E-06	90-120	0.5692E-06
60-70.73	0.5007E-01	-7.5 TO 22.5	0.7651E-07	82.5-112.5	0.4498E-07	60	0- 30	0.3272E-06	90-120	0.1835E-06
0-15.00	0.1505E-01	-7.5 TO 37.5	0.1098E-05	82.5-127.5	0.9419E-06	0	0- 45	0.3125E-05	90-135	0.3125E-05
15-30.00	0.4414E-01	-7.5 TO 37.5	0.9631E-06	82.5-127.5	0.6998E-06	15	0- 45	0.3231E-05	90-135	0.2531E-05
30-45.00	0.7021E-01	-7.5 TO 37.5	0.6436E-06	82.5-127.5	0.4097E-06	30	0- 45	0.2472E-05	90-135	0.1607E-05
45-60.00	0.9150E-01	-7.5 TO 37.5	0.3055E-06	82.5-127.5	0.1792E-06	45	0- 45	0.1402E-05	90-135	0.8070E-06
60-70.73	0.7511E-01	-7.5 TO 37.5	0.7536E-07	82.5-127.5	0.4202E-07	60	0- 45	0.4807E-06	90-135	0.2584E-06
0-15.00	0.2007E-01	-7.5 TO 52.5	0.1090E-05	82.5-142.5	0.9279E-06	0	0- 60	0.4167E-05	90-150	0.4167E-05
15-30.00	0.5885E-01	-7.5 TO 52.5	0.9498E-06	82.5-142.5	0.6773E-06	15	0- 60	0.4253E-05	90-150	0.3305E-05
30-45.00	0.9361E-01	-7.5 TO 52.5	0.6318E-06	82.5-142.5	0.3908E-06	30	0- 60	0.3228E-05	90-150	0.2063E-05
45-60.00	0.1220E 00	-7.5 TO 52.5	0.2990E-06	82.5-142.5	0.1694E-06	45	0- 60	0.1822E-05	90-150	0.1024E-05
60-70.73	0.1001E 00	-7.5 TO 52.5	0.7362E-07	82.5-142.5	0.3951E-07	60	0- 60	0.6230E-06	90-150	0.3256E-06
0-15.00	0.2509E-01	-7.5 TO 67.5	0.1080E-05	82.5-157.5	0.9158E-06	0	0- 75	0.5208E-05	90-165	0.5208E-05
15-30.00	0.7356E-01	-7.5 TO 67.5	0.9326E-06	82.5-157.5	0.6582E-06	15	0- 75	0.5233E-05	90-165	0.4057E-05
30-45.00	0.1170E 00	-7.5 TO 67.5	0.6164E-06	82.5-157.5	0.3748E-06	30	0- 75	0.3931E-05	90-165	0.2496E-05
45-60.00	0.1525E 00	-7.5 TO 67.5	0.2907E-06	82.5-157.5	0.1611E-06	45	0- 75	0.2206E-05	90-165	0.1226E-05
60-70.73	0.1252E 00	-7.5 TO 67.5	0.7138E-07	82.5-157.5	0.3742E-07	60	0- 75	0.7516E-06	90-165	0.3880E-06
0-15.00	0.3011E-01	-7.5 TO 82.5	0.1068E-05	82.5-172.5	0.9058E-06	0	0- 90	0.6250E-05	90-180	0.6250E-05
15-30.00	0.8827E-01	-7.5 TO 82.5	0.9122E-06	82.5-172.5	0.6425E-06	15	0- 90	0.6167E-05	90-180	0.4800E-05
30-45.00	0.1404E 00	-7.5 TO 82.5	0.5981E-06	82.5-172.5	0.3619E-06	30	0- 90	0.4576E-05	90-180	0.2917E-05
45-60.00	0.1830E 00	-7.5 TO 82.5	0.2808E-06	82.5-172.5	0.1545E-06	45	0- 90	0.2549E-05	90-180	0.1422E-05
60-70.73	0.1502E 00	-7.5 TO 82.5	0.6875E-07	82.5-172.5	0.3576E-07	60	0- 90	0.8651E-06	90-180	0.4480E-06
0-15.00	0.3513E-01	-7.5 TO 97.5	0.1055E-05	82.5-187.5	0.8980E-06	0	0-105	0.7292E-05	90-195	0.7292E-05
15-30.00	0.1030E 00	-7.5 TO 97.5	0.8894E-06	82.5-187.5	0.6305E-06	15	0-105	0.7053E-05	90-195	0.5542E-05
30-45.00	0.1638E 00	-7.5 TO 97.5	0.5778E-06	82.5-187.5	0.3520E-06	30	0-105	0.5162E-05	90-195	0.3339E-05
45-60.00	0.2135E 00	-7.5 TO 97.5	0.2698E-06	82.5-187.5	0.1495E-06	45	0-105	0.2851E-05	90-195	0.1618E-05
60-70.73	0.1752E 00	-7.5 TO 97.5	0.6583E-07	82.5-187.5	0.3449E-07	60	0-105	0.9635E-06	90-195	0.5080E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6666$ $\cosh \mu_2 = 133.3350$ $\alpha_{2,max} = 105.00$ $\theta_{2,min} = 74.59$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5018E-02	-7.5 TO 7.5	0.1112E-05	82.5- 97.5	0.9741E-06	0	0- 15	0.1042E-05	90-105	0.1042E-05
15-30.00	0.1471E-01	-7.5 TO 7.5	0.1000E-05	82.5- 97.5	0.7528E-06	15	0- 15	0.1107E-05	90-105	0.8860E-06
30-45.00	0.2340E-01	-7.5 TO 7.5	0.6869E-06	82.5- 97.5	0.4559E-06	30	0- 15	0.8760E-06	90-105	0.5860E-06
45-60.00	0.3050E-01	-7.5 TO 7.5	0.3318E-06	82.5- 97.5	0.2038E-06	45	0- 15	0.5100E-06	90-105	0.3025E-06
60-70.73	0.2504E-01	-7.5 TO 7.5	0.8253E-07	82.5- 97.5	0.4836E-07	60	0- 15	0.1772E-06	90-105	0.9835E-07
0-15.00	0.1004E-01	-7.5 TO 22.5	0.1110E-05	82.5-112.5	0.9575E-06	0	0- 30	0.2083E-05	90-120	0.2083E-05
15-30.00	0.2942E-01	-7.5 TO 22.5	0.9958E-06	82.5-112.5	0.7251E-06	15	0- 30	0.2199E-05	90-120	0.1728E-05
30-45.00	0.4681E-01	-7.5 TO 22.5	0.6824E-06	82.5-112.5	0.4316E-06	30	0- 30	0.1732E-05	90-120	0.1119E-05
45-60.00	0.6100E-01	-7.5 TO 22.5	0.3294E-06	82.5-112.5	0.1908E-06	45	0- 30	0.1006E-05	90-120	0.5692E-06
60-70.73	0.5007E-01	-7.5 TO 22.5	0.8187E-07	82.5-112.5	0.4499E-07	60	0- 30	0.3489E-06	90-120	0.1835E-06
0-15.00	0.1505E-01	-7.5 TO 37.5	0.1104E-05	82.5-127.5	0.9420E-06	0	0- 45	0.3125E-05	90-135	0.3125E-05
15-30.00	0.4414E-01	-7.5 TO 37.5	0.9853E-06	82.5-127.5	0.6998E-06	15	0- 45	0.3264E-05	90-135	0.2531E-05
30-45.00	0.7021E-01	-7.5 TO 37.5	0.6723E-06	82.5-127.5	0.4098E-06	30	0- 45	0.2551E-05	90-135	0.1607E-05
45-60.00	0.9150E-01	-7.5 TO 37.5	0.3237E-06	82.5-127.5	0.1793E-06	45	0- 45	0.1474E-05	90-135	0.8070E-06
60-70.73	0.7511E-01	-7.5 TO 37.5	0.8036E-07	82.5-127.5	0.4203E-07	60	0- 45	0.5102E-06	90-135	0.2584E-06
0-15.00	0.2007E-01	-7.5 TO 52.5	0.1096E-05	82.5-142.5	0.9279E-06	0	0- 60	0.4167E-05	90-150	0.4167E-05
15-30.00	0.5885E-01	-7.5 TO 52.5	0.9695E-06	82.5-142.5	0.6774E-06	15	0- 60	0.4291E-05	90-150	0.3305E-05
30-45.00	0.9361E-01	-7.5 TO 52.5	0.6573E-06	82.5-142.5	0.3908E-06	30	0- 60	0.3318E-05	90-150	0.2063E-05
45-60.00	0.1220E 00	-7.5 TO 52.5	0.3156E-06	82.5-142.5	0.1694E-06	45	0- 60	0.1904E-05	90-150	0.1024E-05
60-70.73	0.1001E 00	-7.5 TO 52.5	0.7810E-07	82.5-142.5	0.3952E-07	60	0- 60	0.6570E-06	90-150	0.3256E-06
0-15.00	0.2509E-01	-7.5 TO 67.5	0.1085E-05	82.5-157.5	0.9158E-06	0	0- 75	0.5208E-05	90-165	0.5208E-05
15-30.00	0.7356E-01	-7.5 TO 67.5	0.9496E-06	82.5-157.5	0.6582E-06	15	0- 75	0.5273E-05	90-165	0.4057E-05
30-45.00	0.1170E 00	-7.5 TO 67.5	0.6385E-06	82.5-157.5	0.3748E-06	30	0- 75	0.4026E-05	90-165	0.2496E-05
45-60.00	0.1525E 00	-7.5 TO 67.5	0.3048E-06	82.5-157.5	0.1611E-06	45	0- 75	0.2292E-05	90-165	0.1226E-05
60-70.73	0.1252E 00	-7.5 TO 67.5	0.7526E-07	82.5-157.5	0.3743E-07	60	0- 75	0.7874E-06	90-165	0.3880E-06
0-15.00	0.3011E-01	-7.5 TO 82.5	0.1072E-05	82.5-172.5	0.9058E-06	0	0- 90	0.6250E-05	90-180	0.6250E-05
15-30.00	0.8827E-01	-7.5 TO 82.5	0.9266E-06	82.5-172.5	0.6426E-06	15	0- 90	0.6207E-05	90-180	0.4800E-05
30-45.00	0.1404E 00	-7.5 TO 82.5	0.6169E-06	82.5-172.5	0.3619E-06	30	0- 90	0.4672E-05	90-180	0.2917E-05
45-60.00	0.1830E 00	-7.5 TO 82.5	0.2928E-06	82.5-172.5	0.1545E-06	45	0- 90	0.2636E-05	90-180	0.1422E-05
60-70.73	0.1502E 00	-7.5 TO 82.5	0.7205E-07	82.5-172.5	0.3576E-07	60	0- 90	0.9012E-06	90-180	0.4480E-06
0-15.00	0.3513E-01	-7.5 TO 97.5	0.1058E-05	82.5-187.5	0.8980E-06	0	0-105	0.7292E-05	90-195	0.7292E-05
15-30.00	0.1030E 00	-7.5 TO 97.5	0.9018E-06	82.5-187.5	0.6306E-06	15	0-105	0.7093E-05	90-195	0.5542E-05
30-45.00	0.1638E 00	-7.5 TO 97.5	0.5939E-06	82.5-187.5	0.3520E-06	30	0-105	0.5258E-05	90-195	0.3339E-05
45-60.00	0.2135E 00	-7.5 TO 97.5	0.2801E-06	82.5-187.5	0.1495E-06	45	0-105	0.2939E-05	90-195	0.1618E-05
60-70.73	0.1752E 00	-7.5 TO 97.5	0.6867E-07	82.5-187.5	0.3449E-07	60	0-105	0.9995E-06	90-195	0.5080E-06

$r_2/r_1 = 0.01$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6666$ $\cosh \mu_2 = 133.3350$ $\alpha_{2,max} = 109.27$ $\theta_{2,min} = 70.33$

0-15.00	0.5018E-02	-7.5 TO 7.5	0.1112E-05	82.5- 97.5	0.9741E-06	0	0- 15	0.1042E-05	90-105	0.1042E-05
15-30.00	0.1471E-01	-7.5 TO 7.5	0.1000E-05	82.5- 97.5	0.7528E-06	15	0- 15	0.1107E-05	90-105	0.8860E-06
30-45.00	0.2340E-01	-7.5 TO 7.5	0.6870E-06	82.5- 97.5	0.4559E-06	30	0- 15	0.8760E-06	90-105	0.5860E-06
45-60.00	0.3050E-01	-7.5 TO 7.5	0.3323E-06	82.5- 97.5	0.2038E-06	45	0- 15	0.5103E-06	90-105	0.3025E-06
60-70.73	0.2504E-01	-7.5 TO 7.5	0.8278E-07	82.5- 97.5	0.4836E-07	60	0- 15	0.1777E-06	90-105	0.9835E-07
0-15.00	0.1004E-01	-7.5 TO 22.5	0.1110E-05	82.5-112.5	0.9575E-06	0	0- 30	0.2083E-05	90-120	0.2083E-05
15-30.00	0.2942E-01	-7.5 TO 22.5	0.9958E-06	82.5-112.5	0.7251E-06	15	0- 30	0.2199E-05	90-120	0.1728E-05
30-45.00	0.4681E-01	-7.5 TO 22.5	0.6825E-06	82.5-112.5	0.4316E-06	30	0- 30	0.1732E-05	90-120	0.1119E-05
45-60.00	0.6100E-01	-7.5 TO 22.5	0.3298E-06	82.5-112.5	0.1908E-06	45	0- 30	0.1006E-05	90-120	0.5692E-06
60-70.73	0.5007E-01	-7.5 TO 22.5	0.8208E-07	82.5-112.5	0.4499E-07	60	0- 30	0.3496E-06	90-120	0.1835E-06
0-15.00	0.1505E-01	-7.5 TO 37.5	0.1104E-05	82.5-127.5	0.9420E-06	0	0- 45	0.3125E-05	90-135	0.3125E-05
15-30.00	0.4414E-01	-7.5 TO 37.5	0.9853E-06	82.5-127.5	0.6998E-06	15	0- 45	0.3264E-05	90-135	0.2531E-05
30-45.00	0.7021E-01	-7.5 TO 37.5	0.6724E-06	82.5-127.5	0.4098E-06	30	0- 45	0.2551E-05	90-135	0.1607E-05
45-60.00	0.9150E-01	-7.5 TO 37.5	0.3241E-06	82.5-127.5	0.1793E-06	45	0- 45	0.1474E-05	90-135	0.8070E-06
60-70.73	0.7511E-01	-7.5 TO 37.5	0.8052E-07	82.5-127.5	0.4203E-07	60	0- 45	0.5108E-06	90-135	0.2584E-06
0-15.00	0.2007E-01	-7.5 TO 52.5	0.1096E-05	82.5-142.5	0.9279E-06	0	0- 60	0.4167E-05	90-150	0.4167E-05
15-30.00	0.5885E-01	-7.5 TO 52.5	0.9695E-06	82.5-142.5	0.6774E-06	15	0- 60	0.4291E-05	90-150	0.3305E-05
30-45.00	0.9361E-01	-7.5 TO 52.5	0.6574E-06	82.5-142.5	0.3908E-06	30	0- 60	0.3318E-05	90-150	0.2063E-05
45-60.00	0.1220E 00	-7.5 TO 52.5	0.3156E-06	82.5-142.5	0.1694E-06	45	0- 60	0.1905E-05	90-150	0.1024E-05
60-70.73	0.1001E 00	-7.5 TO 52.5	0.7823E-07	82.5-142.5	0.3952E-07	60	0- 60	0.6577E-06	90-150	0.3256E-06
0-15.00	0.2509E-01	-7.5 TO 67.5	0.1085E-05	82.5-157.5	0.9158E-06	0	0- 75	0.5208E-05	90-165	0.5208E-05
15-30.00	0.7356E-01	-7.5 TO 67.5	0.9496E-06	82.5-157.5	0.6582E-06	15	0- 75	0.5273E-05	90-165	0.4057E-05
30-45.00	0.1170E 00	-7.5 TO 67.5	0.6385E-06	82.5-157.5	0.3748E-06	30	0- 75	0.4026E-05	90-165	0.2496E-05
45-60.00	0.1525E 00	-7.5 TO 67.5	0.3050E-06	82.5-157.5	0.1611E-06	45	0- 75	0.2293E-05	90-165	0.1226E-05
60-70.73	0.1252E 00	-7.5 TO 67.5	0.7536E-07	82.5-157.5	0.3743E-07	60	0- 75	0.7881E-06	90-165	0.3880E-06
0-15.00	0.3011E-01	-7.5 TO 82.5	0.1072E-05	82.5-172.5	0.9058E-06	0	0- 90	0.6250E-05	90-180	0.6250E-05
15-30.00	0.8827E-01	-7.5 TO 82.5	0.9266E-06	82.5-172.5	0.6426E-06	15	0- 90	0.6207E-05	90-180	0.4800E-05
30-45.00	0.1404E 00	-7.5 TO 82.5	0.6169E-06	82.5-172.5	0.3619E-06	30	0- 90	0.4672E-05	90-180	0.2917E-05
45-60.00	0.1830E 00	-7.5 TO 82.5	0.2930E-06	82.5-172.5	0.1545E-06	45	0- 90	0.2636E-05	90-180	0.1422E-05
60-70.73	0.1502E 00	-7.5 TO 82.5	0.7213E-07	82.5-172.5	0.3576E-07	60	0- 90	0.9019E-06	90-180	0.4480E-06
0-15.00	0.3513E-01	-7.5 TO 97.5	0.1058E-05	82.5-187.5	0.8980E-06	0	0-105	0.7292E-05	90-195	0.7292E-05
15-30.00	0.1030E 00	-7.5 TO 97.5	0.9018E-06	82.5-187.5	0.6306E-06	15	0-105	0.7093E-05	90-195	0.5542E-05
30-45.00	0.1638E 00	-7.5 TO 97.5	0.5939E-06	82.5-187.5	0.3520E-06	30	0-105	0.5258E-05	90-195	0.3339E-05
45-60.00	0.2135E 00	-7.5 TO 97.5	0.2802E-06	82.5-187.5	0.1495E-06	45	0-105	0.2939E-05	90-195	0.1618E-05
60-70.73	0.1752E 00	-7.5 TO 97.5	0.6874E-07	82.5-187.5	0.3449E-07	60	0-105	0.1000E-05	90-195	0.5080E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.0100

r_2/r_1 = 0.01 d/r_1 = 5.000 $\cosh \mu_1$ = 2.6000 $\cosh \mu_2$ = 240.0010 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 164.94

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1549E-02	-7.5 TO 7.5	0.1700E-07	82.5- 97.5	0.1687E-07	0	0- 15	0.1753E-07	90-105	0.1753E-07
15-30.00	0.4541E-02	-7.5 TO 7.5	0.1473E-07	82.5- 97.5	0.1448E-07	15	0- 15	0.1641E-07	90-105	0.1620E-07
30-45.00	0.7223E-02	-7.5 TO 7.5	0.1085E-07	82.5- 97.5	0.1058E-07	30	0- 15	0.1311E-07	90-105	0.1280E-07
45-60.00	0.9413E-02	-7.5 TO 7.5	0.6492E-08	82.5- 97.5	0.6288E-08	45	0- 15	0.8763E-08	90-105	0.8478E-08
60-75.00	0.1096E-01	-7.5 TO 7.5	0.2487E-08	82.5- 97.5	0.2399E-08	60	0- 15	0.4434E-08	90-105	0.4265E-08
75-78.58	0.2764E-02	-7.5 TO 7.5	0.3537E-09	82.5- 97.5	0.3377E-09	75	0- 15	0.7376E-09	90-105	0.7041E-09
0-15.00	0.3097E-02	-7.5 TO 22.5	0.1700E-07	82.5-112.5	0.1685E-07	0	0- 30	0.3506E-07	90-120	0.3506E-07
15-30.00	0.9081E-02	-7.5 TO 22.5	0.1472E-07	82.5-112.5	0.1445E-07	15	0- 30	0.3281E-07	90-120	0.3235E-07
30-45.00	0.1445E-01	-7.5 TO 22.5	0.1085E-07	82.5-112.5	0.1054E-07	30	0- 30	0.2621E-07	90-120	0.2553E-07
45-60.00	0.1883E-01	-7.5 TO 22.5	0.6488E-08	82.5-112.5	0.6262E-08	45	0- 30	0.1751E-07	90-120	0.1689E-07
60-75.00	0.2192E-01	-7.5 TO 22.5	0.2486E-08	82.5-112.5	0.2388E-08	60	0- 30	0.8858E-08	90-120	0.8492E-08
75-78.58	0.5529E-02	-7.5 TO 22.5	0.3534E-09	82.5-112.5	0.3357E-09	75	0- 30	0.1473E-08	90-120	0.1401E-08
0-15.00	0.4646E-02	-7.5 TO 37.5	0.1699E-07	82.5-127.5	0.1684E-07	0	0- 45	0.5259E-07	90-135	0.5259E-07
15-30.00	0.1362E-01	-7.5 TO 37.5	0.1471E-07	82.5-127.5	0.1442E-07	15	0- 45	0.4918E-07	90-135	0.4847E-07
30-45.00	0.2167E-01	-7.5 TO 37.5	0.1084E-07	82.5-127.5	0.1051E-07	30	0- 45	0.3926E-07	90-135	0.3819E-07
45-60.00	0.2824E-01	-7.5 TO 37.5	0.6480E-08	82.5-127.5	0.6237E-08	45	0- 45	0.2622E-07	90-135	0.2525E-07
60-75.00	0.3289E-01	-7.5 TO 37.5	0.2482E-08	82.5-127.5	0.2377E-08	60	0- 45	0.1326E-07	90-135	0.1268E-07
75-78.58	0.8293E-02	-7.5 TO 37.5	0.3528E-09	82.5-127.5	0.3337E-09	75	0- 45	0.2205E-08	90-135	0.2091E-08
0-15.00	0.6195E-02	-7.5 TO 52.5	0.1698E-07	82.5-142.5	0.1682E-07	0	0- 60	0.7012E-07	90-150	0.7012E-07
15-30.00	0.1816E-01	-7.5 TO 52.5	0.1470E-07	82.5-142.5	0.1439E-07	15	0- 60	0.6552E-07	90-150	0.6454E-07
30-45.00	0.2889E-01	-7.5 TO 52.5	0.1082E-07	82.5-142.5	0.1048E-07	30	0- 60	0.5227E-07	90-150	0.5081E-07
45-60.00	0.3765E-01	-7.5 TO 52.5	0.6468E-08	82.5-142.5	0.6214E-08	45	0- 60	0.3489E-07	90-150	0.3356E-07
60-75.00	0.4385E-01	-7.5 TO 52.5	0.2477E-08	82.5-142.5	0.2367E-08	60	0- 60	0.1764E-07	90-150	0.1685E-07
75-78.58	0.1106E-01	-7.5 TO 52.5	0.3518E-09	82.5-142.5	0.3319E-09	75	0- 60	0.2931E-08	90-150	0.2776E-08
0-15.00	0.7744E-02	-7.5 TO 67.5	0.1697E-07	82.5-157.5	0.1681E-07	0	0- 75	0.8765E-07	90-165	0.8765E-07
15-30.00	0.2270E-01	-7.5 TO 67.5	0.1468E-07	82.5-157.5	0.1436E-07	15	0- 75	0.8182E-07	90-165	0.8059E-07
30-45.00	0.3612E-01	-7.5 TO 67.5	0.1080E-07	82.5-157.5	0.1045E-07	30	0- 75	0.6521E-07	90-165	0.6339E-07
45-60.00	0.4707E-01	-7.5 TO 67.5	0.6453E-08	82.5-157.5	0.6193E-08	45	0- 75	0.4349E-07	90-165	0.4184E-07
60-75.00	0.5481E-01	-7.5 TO 67.5	0.2470E-08	82.5-157.5	0.2358E-08	60	0- 75	0.2198E-07	90-165	0.2100E-07
75-78.58	0.1382E-01	-7.5 TO 67.5	0.3506E-09	82.5-157.5	0.3304E-09	75	0- 75	0.3650E-08	90-165	0.3456E-08
0-15.00	0.9292E-02	-7.5 TO 82.5	0.1696E-07	82.5-172.5	0.1680E-07	0	0- 90	0.1052E-06	90-180	0.1052E-06
15-30.00	0.2724E-01	-7.5 TO 82.5	0.1466E-07	82.5-172.5	0.1434E-07	15	0- 90	0.9807E-07	90-180	0.9663E-07
30-45.00	0.4334E-01	-7.5 TO 82.5	0.1077E-07	82.5-172.5	0.1043E-07	30	0- 90	0.7808E-07	90-180	0.7594E-07
45-60.00	0.5648E-01	-7.5 TO 82.5	0.6434E-08	82.5-172.5	0.6176E-08	45	0- 90	0.5204E-07	90-180	0.5010E-07
60-75.00	0.6577E-01	-7.5 TO 82.5	0.2462E-08	82.5-172.5	0.2351E-08	60	0- 90	0.2628E-07	90-180	0.2513E-07
75-78.58	0.1659E-01	-7.5 TO 82.5	0.3491E-09	82.5-172.5	0.3291E-09	75	0- 90	0.4362E-08	90-180	0.4135E-08
0-15.00	0.1084E-01	-7.5 TO 97.5	0.1695E-07	82.5-187.5	0.1679E-07	0	0-105	0.1227E-06	90-195	0.1227E-06
15-30.00	0.3178E-01	-7.5 TO 97.5	0.1463E-07	82.5-187.5	0.1433E-07	15	0-105	0.1143E-06	90-195	0.1127E-06
30-45.00	0.5056E-01	-7.5 TO 97.5	0.1075E-07	82.5-187.5	0.1041E-07	30	0-105	0.9088E-07	90-195	0.8850E-07
45-60.00	0.6589E-01	-7.5 TO 97.5	0.6413E-08	82.5-187.5	0.6163E-08	45	0-105	0.6052E-07	90-195	0.5836E-07
60-75.00	0.7673E-01	-7.5 TO 97.5	0.2453E-08	82.5-187.5	0.2345E-08	60	0-105	0.3055E-07	90-195	0.2927E-07
75-78.58	0.1935E-01	-7.5 TO 97.5	0.3475E-09	82.5-187.5	0.3281E-09	75	0-105	0.5066E-08	90-195	0.4814E-08

r_2/r_1 = 0.0100 d/r_1 = 5.000 $\cosh \mu_1$ = 2.6000 $\cosh \mu_2$ = 240.0010 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 149.88

0-15.00	0.1549E-02	-7.5 TO 7.5	0.6392E-07	82.5- 97.5	0.6293E-07	0	0- 15	0.6539E-07	90-105	0.6539E-07
15-30.00	0.4541E-02	-7.5 TO 7.5	0.5591E-07	82.5- 97.5	0.5401E-07	15	0- 15	0.6194E-07	90-105	0.6034E-07
30-45.00	0.7223E-02	-7.5 TO 7.5	0.4156E-07	82.5- 97.5	0.3946E-07	30	0- 15	0.5000E-07	90-105	0.4760E-07
45-60.00	0.9413E-02	-7.5 TO 7.5	0.2502E-07	82.5- 97.5	0.2346E-07	45	0- 15	0.3368E-07	90-105	0.3150E-07
60-75.00	0.1096E-01	-7.5 TO 7.5	0.9628E-08	82.5- 97.5	0.8950E-08	60	0- 15	0.1713E-07	90-105	0.1583E-07
75-78.58	0.2764E-02	-7.5 TO 7.5	0.1383E-08	82.5- 97.5	0.1261E-08	75	0- 15	0.2868E-08	90-105	0.2613E-08
0-15.00	0.3097E-02	-7.5 TO 22.5	0.6390E-07	82.5-112.5	0.6280E-07	0	0- 30	0.1308E-06	90-120	0.1308E-06
15-30.00	0.9081E-02	-7.5 TO 22.5	0.5588E-07	82.5-112.5	0.5377E-07	15	0- 30	0.1238E-06	90-120	0.1203E-06
30-45.00	0.1445E-01	-7.5 TO 22.5	0.4152E-07	82.5-112.5	0.3919E-07	30	0- 30	0.9986E-07	90-120	0.9666E-07
45-60.00	0.1883E-01	-7.5 TO 22.5	0.2499E-07	82.5-112.5	0.2326E-07	45	0- 30	0.6722E-07	90-120	0.6251E-07
60-75.00	0.2192E-01	-7.5 TO 22.5	0.9617E-08	82.5-112.5	0.8863E-08	60	0- 30	0.3418E-07	90-120	0.3138E-07
75-78.58	0.5529E-02	-7.5 TO 22.5	0.1381E-08	82.5-112.5	0.1245E-08	75	0- 30	0.5721E-08	90-120	0.5169E-08
0-15.00	0.4646E-02	-7.5 TO 37.5	0.6386E-07	82.5-127.5	0.6268E-07	0	0- 45	0.1962E-06	90-135	0.1962E-06
15-30.00	0.1362E-01	-7.5 TO 37.5	0.5581E-07	82.5-127.5	0.5353E-07	15	0- 45	0.1855E-06	90-135	0.1800E-06
30-45.00	0.2167E-01	-7.5 TO 37.5	0.4144E-07	82.5-127.5	0.3893E-07	30	0- 45	0.1494E-06	90-135	0.1412E-06
45-60.00	0.2824E-01	-7.5 TO 37.5	0.2493E-07	82.5-127.5	0.2306E-07	45	0- 45	0.1005E-06	90-135	0.9308E-07
60-75.00	0.3289E-01	-7.5 TO 37.5	0.9590E-08	82.5-127.5	0.8780E-08	60	0- 45	0.5108E-07	90-135	0.4666E-07
75-78.58	0.8293E-02	-7.5 TO 37.5	0.1376E-08	82.5-127.5	0.1231E-08	75	0- 45	0.8543E-08	90-135	0.7675E-08
0-15.00	0.6195E-02	-7.5 TO 52.5	0.6380E-07	82.5-142.5	0.6257E-07	0	0- 60	0.2615E-06	90-150	0.2615E-06
15-30.00	0.1816E-01	-7.5 TO 52.5	0.5569E-07	82.5-142.5	0.5332E-07	15	0- 60	0.2468E-06	90-150	0.2393E-06
30-45.00	0.2889E-01	-7.5 TO 52.5	0.4132E-07	82.5-142.5	0.3869E-07	30	0- 60	0.1986E-06	90-150	0.1874E-06
45-60.00	0.3765E-01	-7.5 TO 52.5	0.2484E-07	82.5-142.5	0.2289E-07	45	0- 60	0.1334E-06	90-150	0.1233E-06
60-75.00	0.4385E-01	-7.5 TO 52.5	0.9550E-08	82.5-142.5	0.8703E-08	60	0- 60	0.6777E-07	90-150	0.6173E-07
75-78.58	0.1106E-01	-7.5 TO 52.5	0.1368E-08	82.5-142.5	0.1217E-08	75	0- 60	0.1132E-07	90-150	0.1014E-07
0-15.00	0.7744E-02	-7.5 TO 67.5	0.6373E-07	82.5-157.5	0.6247E-07	0	0- 75	0.3269E-06	90-165	0.3269E-06
15-30.00	0.2270E-01	-7.5 TO 67.5	0.5555E-07	82.5-157.5	0.5313E-07	15	0- 75	0.3079E-06	90-165	0.2985E-06
30-45.00	0.3612E-01	-7.5 TO 67.5	0.4116E-07	82.5-157.5	0.3849E-07	30	0- 75	0.2473E-06	90-165	0.2333E-06
45-60.00	0.4707E-01	-7.5 TO 67.5	0.2472E-07	82.5-157.5	0.2273E-07	45	0- 75	0.1659E-06	90-165	0.1533E-06
60-75.00	0.5481E-01	-7.5 TO 67.5	0.9498E-08	82.5-157.5	0.8636E-08	60	0- 75	0.8420E-07	90-165	0.7665E-07
75-78.58	0.1382E-01	-7.5 TO 67.5	0.1359E-08	82.5-157.5	0.1205E-08	75	0- 75	0.1405E-07	90-165	0.1258E-07
0-15.00	0.9292E-02	-7.5 TO 82.5	0.6364E-07	82.5-172.5	0.6239E-07	0	0- 90	0.3923E-06	90-180	0.3923E-06
15-30.00	0.2724E-01	-7.5 TO 82.5	0.5537E-07	82.5-172.5	0.5297E-07	15	0- 90	0.3686E-06	90-180	0.3576E-06
30-45.00	0.4334E-01	-7.5 TO 82.5	0.4096E-07	82.5-172.5	0.3831E-07	30	0- 90	0.2955E-06	90-180	0.2791E-06
45-60.00	0.5648E-01	-7.5 TO 82.5	0.2458E-07	82.5-172.5	0.2260E-07	45	0- 90	0.1979E-06	90-180	0.1831E-06
60-75.00	0.6577E-01	-7.5 TO 82.5	0.9436E-08	82.5-172.5	0.8580E-08	60	0- 90	0.1003E-06	90-180	0.9149E-07
75-78.58	0.1659E-01	-7.5 TO 82.5	0.1348E-08	82.5-172.5	0.1196E-08	75	0- 90	0.1672E-07	90-180	0.1500E-07
0-15.00	0.1084E-01	-7.5 TO 97.5	0.6354E-07	82.5-187.5	0.6232E-07	0	0-105	0.4577E-06	90-195	0.4577E-06
15-30.00	0.3178E-01	-7.5 TO 97.5	0.5518E-07	82.5-187.5	0.5285E-07	15	0-105	0.4290E-06	90-195	0.4168E-06
30-45.00	0.5056E-01	-7.5 TO 97.5	0.4075E-07	82.5-187.5	0.3818E-07	30	0-105	0.3431E-06	90-195	0.3249E-06
45-60.00	0.6589E-01	-7.5 TO 97.5	0.2442E-07	82.5-187.5	0.2250E-07	45	0-105	0.2294E-06	90-195	0.2129E-06
60-75.00	0.7673E-01	-7.5 TO 97.5	0.9366E-08	82.5-187.5	0.8537E-08	60	0-105	0.1162E-06	90-195	0.1063E-06
75-78.58	0.1935E-01	-7.5 TO 97.5	0.1335E-08	82.5-187.5	0.1188E-08	75	0-105	0.1934E-07	90-195	0.1742E-07

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.6000$ $\cosh \mu_2 = 240.0010$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 134.83$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1549E-02	-7.5 TO 7.5	0.1289E-06	82.5- 97.5	0.1258E-06	0	0- 15	0.1307E-06	90-105	0.1307E-06
15-30.00	0.4541E-02	-7.5 TO 7.5	0.1139E-06	82.5- 97.5	0.1079E-06	15	0- 15	0.1254E-06	90-105	0.1204E-06
30-45.00	0.7223E-02	-7.5 TO 7.5	0.8546E-07	82.5- 97.5	0.7887E-07	30	0- 15	0.1024E-06	90-105	0.9481E-07
45-60.00	0.9413E-02	-7.5 TO 7.5	0.5179E-07	82.5- 97.5	0.4689E-07	45	0- 15	0.6951E-07	90-105	0.6266E-07
60-75.00	0.1096E-01	-7.5 TO 7.5	0.2002E-07	82.5- 97.5	0.1789E-07	60	0- 15	0.3555E-07	90-105	0.3148E-07
75-78.58	0.2764E-02	-7.5 TO 7.5	0.2901E-08	82.5- 97.5	0.2522E-08	75	0- 15	0.5989E-08	90-105	0.5192E-08
0-15.00	0.3097E-02	-7.5 TO 22.5	0.1288E-06	82.5-112.5	0.1254E-06	0	0- 30	0.2613E-06	90-120	0.2613E-06
15-30.00	0.9081E-02	-7.5 TO 22.5	0.1138E-06	82.5-112.5	0.1072E-06	15	0- 30	0.2505E-06	90-120	0.2396E-06
30-45.00	0.1445E-01	-7.5 TO 22.5	0.8535E-07	82.5-112.5	0.7802E-07	30	0- 30	0.2043E-06	90-120	0.1879E-06
45-60.00	0.1883E-01	-7.5 TO 22.5	0.5171E-07	82.5-112.5	0.4625E-07	45	0- 30	0.1386E-06	90-120	0.1238E-06
60-75.00	0.2192E-01	-7.5 TO 22.5	0.1998E-07	82.5-112.5	0.1762E-07	60	0- 30	0.7086E-07	90-120	0.6204E-07
75-78.58	0.5529E-02	-7.5 TO 22.5	0.2894E-08	82.5-112.5	0.2475E-08	75	0- 30	0.1193E-07	90-120	0.1021E-07
0-15.00	0.4646E-02	-7.5 TO 37.5	0.1287E-06	82.5-127.5	0.1250E-06	0	0- 45	0.3920E-06	90-135	0.3920E-06
15-30.00	0.1362E-01	-7.5 TO 37.5	0.1136E-06	82.5-127.5	0.1064E-06	15	0- 45	0.3751E-06	90-135	0.3578E-06
30-45.00	0.2167E-01	-7.5 TO 37.5	0.8509E-07	82.5-127.5	0.7720E-07	30	0- 45	0.3053E-06	90-135	0.2795E-06
45-60.00	0.2824E-01	-7.5 TO 37.5	0.5152E-07	82.5-127.5	0.4565E-07	45	0- 45	0.2069E-06	90-135	0.1835E-06
60-75.00	0.3289E-01	-7.5 TO 37.5	0.1990E-07	82.5-127.5	0.1736E-07	60	0- 45	0.1057E-06	90-135	0.9179E-07
75-78.58	0.8293E-02	-7.5 TO 37.5	0.2879E-08	82.5-127.5	0.2430E-08	75	0- 45	0.1778E-07	90-135	0.1507E-07
0-15.00	0.6195E-02	-7.5 TO 52.5	0.1285E-06	82.5-142.5	0.1246E-06	0	0- 60	0.5227E-06	90-150	0.5227E-06
15-30.00	0.1816E-01	-7.5 TO 52.5	0.1132E-06	82.5-142.5	0.1058E-06	15	0- 60	0.4987E-06	90-150	0.4752E-06
30-45.00	0.2889E-01	-7.5 TO 52.5	0.8470E-07	82.5-142.5	0.7646E-07	30	0- 60	0.4051E-06	90-150	0.3659E-06
45-60.00	0.3765E-01	-7.5 TO 52.5	0.5123E-07	82.5-142.5	0.4509E-07	45	0- 60	0.2741E-06	90-150	0.2422E-06
60-75.00	0.4385E-01	-7.5 TO 52.5	0.1977E-07	82.5-142.5	0.1712E-07	60	0- 60	0.1398E-06	90-150	0.1209E-06
75-78.58	0.1106E-01	-7.5 TO 52.5	0.2856E-08	82.5-142.5	0.2389E-08	75	0- 60	0.2349E-07	90-150	0.1981E-07
0-15.00	0.7744E-02	-7.5 TO 67.5	0.1283E-06	82.5-157.5	0.1243E-06	0	0- 75	0.6533E-06	90-165	0.6533E-06
15-30.00	0.2270E-01	-7.5 TO 67.5	0.1128E-06	82.5-157.5	0.1052E-06	15	0- 75	0.6214E-06	90-165	0.5920E-06
30-45.00	0.3612E-01	-7.5 TO 67.5	0.8419E-07	82.5-157.5	0.7580E-07	30	0- 75	0.5034E-06	90-165	0.4594E-06
45-60.00	0.4707E-01	-7.5 TO 67.5	0.5085E-07	82.5-157.5	0.4461E-07	45	0- 75	0.3399E-06	90-165	0.3000E-06
60-75.00	0.5481E-01	-7.5 TO 67.5	0.1961E-07	82.5-157.5	0.1691E-07	60	0- 75	0.1732E-06	90-165	0.1495E-06
75-78.58	0.1382E-01	-7.5 TO 67.5	0.2827E-08	82.5-157.5	0.2353E-08	75	0- 75	0.2904E-07	90-165	0.2445E-07
0-15.00	0.9292E-02	-7.5 TO 82.5	0.1280E-06	82.5-172.5	0.1241E-06	0	0- 90	0.7840E-06	90-180	0.7840E-06
15-30.00	0.2724E-01	-7.5 TO 82.5	0.1122E-06	82.5-172.5	0.1047E-06	15	0- 90	0.7430E-06	90-180	0.7085E-06
30-45.00	0.4334E-01	-7.5 TO 82.5	0.8359E-07	82.5-172.5	0.7525E-07	30	0- 90	0.5999E-06	90-180	0.5484E-06
45-60.00	0.5648E-01	-7.5 TO 82.5	0.5040E-07	82.5-172.5	0.4420E-07	45	0- 90	0.4041E-06	90-180	0.3575E-06
60-75.00	0.6577E-01	-7.5 TO 82.5	0.1941E-07	82.5-172.5	0.1673E-07	60	0- 90	0.2056E-06	90-180	0.1779E-06
75-78.58	0.1659E-01	-7.5 TO 82.5	0.2792E-08	82.5-172.5	0.2323E-08	75	0- 90	0.3442E-07	90-180	0.2905E-07
0-15.00	0.1084E-01	-7.5 TO 97.5	0.1277E-06	82.5-187.5	0.1239E-06	0	0-105	0.9147E-06	90-195	0.9147E-06
15-30.00	0.3178E-01	-7.5 TO 97.5	0.1116E-06	82.5-187.5	0.1043E-06	15	0-105	0.8633E-06	90-195	0.8250E-06
30-45.00	0.5056E-01	-7.5 TO 97.5	0.8291E-07	82.5-187.5	0.7483E-07	30	0-105	0.6947E-06	90-195	0.6374E-06
45-60.00	0.6589E-01	-7.5 TO 97.5	0.4990E-07	82.5-187.5	0.4389E-07	45	0-105	0.4668E-06	90-195	0.4149E-06
60-75.00	0.7673E-01	-7.5 TO 97.5	0.1920E-07	82.5-187.5	0.1660E-07	60	0-105	0.2371E-06	90-195	0.2062E-06
75-78.58	0.1935E-01	-7.5 TO 97.5	0.2753E-08	82.5-187.5	0.2301E-08	75	0-105	0.3961E-07	90-195	0.3365E-07

$r_2/r_1 = 0.01$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.6000$ $\cosh \mu_2 = 240.0010$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 119.79$

0-15.00	0.1549E-02	-7.5 TO 7.5	0.1951E-06	82.5- 97.5	0.1884E-06	0	0- 15	0.1958E-06	90-105	0.1958E-06
15-30.00	0.4541E-02	-7.5 TO 7.5	0.1746E-06	82.5- 97.5	0.1618E-06	15	0- 15	0.1908E-06	90-105	0.1800E-06
30-45.00	0.7223E-02	-7.5 TO 7.5	0.1323E-06	82.5- 97.5	0.1182E-06	30	0- 15	0.1577E-06	90-105	0.1415E-06
45-60.00	0.9413E-02	-7.5 TO 7.5	0.8079E-07	82.5- 97.5	0.7027E-07	45	0- 15	0.1081E-06	90-105	0.9340E-07
60-75.00	0.1096E-01	-7.5 TO 7.5	0.3137E-07	82.5- 97.5	0.2682E-07	60	0- 15	0.5561E-07	90-105	0.4687E-07
75-78.58	0.2764E-02	-7.5 TO 7.5	0.4581E-08	82.5- 97.5	0.3784E-08	75	0- 15	0.9421E-08	90-105	0.7730E-08
0-15.00	0.3097E-02	-7.5 TO 22.5	0.1950E-06	82.5-112.5	0.1876E-06	0	0- 30	0.3916E-06	90-120	0.3916E-06
15-30.00	0.9081E-02	-7.5 TO 22.5	0.1743E-06	82.5-112.5	0.1601E-06	15	0- 30	0.3810E-06	90-120	0.3575E-06
30-45.00	0.1445E-01	-7.5 TO 22.5	0.1321E-06	82.5-112.5	0.1164E-06	30	0- 30	0.3145E-06	90-120	0.2794E-06
45-60.00	0.1883E-01	-7.5 TO 22.5	0.8061E-07	82.5-112.5	0.6891E-07	45	0- 30	0.2153E-06	90-120	0.1835E-06
60-75.00	0.2192E-01	-7.5 TO 22.5	0.3129E-07	82.5-112.5	0.2623E-07	60	0- 30	0.1107E-06	90-120	0.9180E-07
75-78.58	0.5529E-02	-7.5 TO 22.5	0.4567E-08	82.5-112.5	0.3685E-08	75	0- 30	0.1874E-07	90-120	0.1509E-07
0-15.00	0.4646E-02	-7.5 TO 37.5	0.1947E-06	82.5-127.5	0.1868E-06	0	0- 45	0.5874E-06	90-135	0.5874E-06
15-30.00	0.1362E-01	-7.5 TO 37.5	0.1738E-06	82.5-127.5	0.1585E-06	15	0- 45	0.5699E-06	90-135	0.5329E-06
30-45.00	0.2167E-01	-7.5 TO 37.5	0.1315E-06	82.5-127.5	0.1146E-06	30	0- 45	0.4693E-06	90-135	0.4140E-06
45-60.00	0.2824E-01	-7.5 TO 37.5	0.8020E-07	82.5-127.5	0.6762E-07	45	0- 45	0.3208E-06	90-135	0.2707E-06
60-75.00	0.3289E-01	-7.5 TO 37.5	0.3111E-07	82.5-127.5	0.2568E-07	60	0- 45	0.1647E-06	90-135	0.1350E-06
75-78.58	0.8293E-02	-7.5 TO 37.5	0.4535E-08	82.5-127.5	0.3592E-08	75	0- 45	0.2786E-07	90-135	0.2213E-07
0-15.00	0.6195E-02	-7.5 TO 52.5	0.1943E-06	82.5-142.5	0.1860E-06	0	0- 60	0.7832E-06	90-150	0.7832E-06
15-30.00	0.1816E-01	-7.5 TO 52.5	0.1731E-06	82.5-142.5	0.1571E-06	15	0- 60	0.7570E-06	90-150	0.7065E-06
30-45.00	0.2889E-01	-7.5 TO 52.5	0.1307E-06	82.5-142.5	0.1130E-06	30	0- 60	0.6215E-06	90-150	0.5460E-06
45-60.00	0.3765E-01	-7.5 TO 52.5	0.7957E-07	82.5-142.5	0.6643E-07	45	0- 60	0.4238E-06	90-150	0.3554E-06
60-75.00	0.4385E-01	-7.5 TO 52.5	0.3084E-07	82.5-142.5	0.2517E-07	60	0- 60	0.2174E-06	90-150	0.1767E-06
75-78.58	0.1106E-01	-7.5 TO 52.5	0.4487E-08	82.5-142.5	0.3507E-08	75	0- 60	0.3669E-07	90-150	0.2889E-07
0-15.00	0.7744E-02	-7.5 TO 67.5	0.1938E-06	82.5-157.5	0.1853E-06	0	0- 75	0.9790E-06	90-165	0.9790E-06
15-30.00	0.2270E-01	-7.5 TO 67.5	0.1721E-06	82.5-157.5	0.1558E-06	15	0- 75	0.9420E-06	90-165	0.8788E-06
30-45.00	0.3612E-01	-7.5 TO 67.5	0.1296E-06	82.5-157.5	0.1116E-06	30	0- 75	0.7704E-06	90-165	0.6761E-06
45-60.00	0.4707E-01	-7.5 TO 67.5	0.7876E-07	82.5-157.5	0.6539E-07	45	0- 75	0.5239E-06	90-165	0.4385E-06
60-75.00	0.5481E-01	-7.5 TO 67.5	0.3049E-07	82.5-157.5	0.2472E-07	60	0- 75	0.2682E-06	90-165	0.2175E-06
75-78.58	0.1382E-01	-7.5 TO 67.5	0.4425E-08	82.5-157.5	0.3433E-08	75	0- 75	0.4518E-07	90-165	0.3548E-07
0-15.00	0.9292E-02	-7.5 TO 82.5	0.1932E-06	82.5-172.5	0.1848E-06	0	0- 90	0.1175E-05	90-180	0.1175E-05
15-30.00	0.2724E-01	-7.5 TO 82.5	0.1709E-06	82.5-172.5	0.1547E-06	15	0- 90	0.1124E-05	90-180	0.1050E-05
30-45.00	0.4334E-01	-7.5 TO 82.5	0.1283E-06	82.5-172.5	0.1104E-06	30	0- 90	0.9157E-06	90-180	0.8052E-06
45-60.00	0.5648E-01	-7.5 TO 82.5	0.7780E-07	82.5-172.5	0.6452E-07	45	0- 90	0.6208E-06	90-180	0.5207E-06
60-75.00	0.6577E-01	-7.5 TO 82.5	0.3007E-07	82.5-172.5	0.2435E-07	60	0- 90	0.3171E-06	90-180	0.2577E-06
75-78.58	0.1659E-01	-7.5 TO 82.5	0.4351E-08	82.5-172.5	0.3372E-08	75	0- 90	0.5330E-07	90-180	0.4196E-07
0-15.00	0.1084E-01	-7.5 TO 97.5	0.1925E-06	82.5-187.5	0.1844E-06	0	0-105	0.1371E-05	90-195	0.1371E-05
15-30.00	0.3178E-01	-7.5 TO 97.5	0.1696E-06	82.5-187.5	0.1539E-06	15	0-105	0.1304E-05	90-195	0.1222E-05
30-45.00	0.5056E-01	-7.5 TO 97.5	0.1269E-06	82.5-187.5	0.1095E-06	30	0-105	0.1057E-05	90-195	0.9343E-06
45-60.00	0.6589E-01	-7.5 TO 97.5	0.7672E-07	82.5-187.5	0.6385E-07	45	0-105	0.7142E-06	90-195	0.6029E-06
60-75.00	0.7673E-01	-7.5 TO 97.5	0.2961E-07	82.5-187.5	0.2406E-07	60	0-105	0.3640E-06	90-195	0.2980E-06
75-78.58	0.1935E-01	-7.5 TO 97.5	0.4270E-08	82.5-187.5	0.3325E-08	75	0-105	0.6103E-07	90-195	0.4845E-07

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

r_2/r_1 = 0.01 d/r_1 = 5.000 $\cosh \mu_1$ = 2.6000 $\cosh \mu_2$ = 240.0010 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 104.77

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1549E-02	-7.5 TO 7.5	0.2456E-06	82.5- 97.5	0.2341E-06	0	0- 15	0.2433E-06	90-105	0.2433E-06
15-30.00	0.4541E-02	-7.5 TO 7.5	0.2230E-06	82.5- 97.5	0.2010E-06	15	0- 15	0.2417E-06	90-105	0.2230E-06
30-45.00	0.7223E-02	-7.5 TO 7.5	0.1712E-06	82.5- 97.5	0.1469E-06	30	0- 15	0.2028E-06	90-105	0.1750E-06
45-60.00	0.9413E-02	-7.5 TO 7.5	0.1054E-06	82.5- 97.5	0.8732E-07	45	0- 15	0.1405E-06	90-105	0.1153E-06
60-75.00	0.1096E-01	-7.5 TO 7.5	0.4113E-07	82.5- 97.5	0.3333E-07	60	0- 15	0.7276E-07	90-105	0.5778E-07
75-78.58	0.2764E-02	-7.5 TO 7.5	0.6043E-08	82.5- 97.5	0.4707E-08	75	0- 15	0.1239E-07	90-105	0.9527E-08
0-15.00	0.3097E-02	-7.5 TO 22.5	0.2454E-06	82.5-112.5	0.2327E-06	0	0- 30	0.4866E-06	90-120	0.4866E-06
15-30.00	0.9081E-02	-7.5 TO 22.5	0.2226E-06	82.5-112.5	0.1982E-06	15	0- 30	0.4822E-06	90-120	0.4419E-06
30-45.00	0.1445E-01	-7.5 TO 22.5	0.1707E-06	82.5-112.5	0.1437E-06	30	0- 30	0.4039E-06	90-120	0.3437E-06
45-60.00	0.1883E-01	-7.5 TO 22.5	0.1051E-06	82.5-112.5	0.8500E-07	45	0- 30	0.2794E-06	90-120	0.2249E-06
60-75.00	0.2192E-01	-7.5 TO 22.5	0.4099E-07	82.5-112.5	0.3234E-07	60	0- 30	0.1446E-06	90-120	0.1122E-06
75-78.58	0.5529E-02	-7.5 TO 22.5	0.6019E-08	82.5-112.5	0.4543E-08	75	0- 30	0.2460E-07	90-120	0.1843E-07
0-15.00	0.4646E-02	-7.5 TO 37.5	0.2450E-06	82.5-127.5	0.2312E-06	0	0- 45	0.7299E-06	90-135	0.7299E-06
15-30.00	0.1362E-01	-7.5 TO 37.5	0.2217E-06	82.5-127.5	0.1954E-06	15	0- 45	0.7206E-06	90-135	0.6570E-06
30-45.00	0.2167E-01	-7.5 TO 37.5	0.1698E-06	82.5-127.5	0.1407E-06	30	0- 45	0.6018E-06	90-135	0.5068E-06
45-60.00	0.2824E-01	-7.5 TO 37.5	0.1044E-06	82.5-127.5	0.8278E-07	45	0- 45	0.4155E-06	90-135	0.3294E-06
60-75.00	0.3289E-01	-7.5 TO 37.5	0.4069E-07	82.5-127.5	0.3139E-07	60	0- 45	0.2147E-06	90-135	0.1637E-06
75-78.58	0.8293E-02	-7.5 TO 37.5	0.5965E-08	82.5-127.5	0.4389E-08	75	0- 45	0.3648E-07	90-135	0.2678E-07
0-15.00	0.6195E-02	-7.5 TO 52.5	0.2443E-06	82.5-142.5	0.2299E-06	0	0- 60	0.9731E-06	90-150	0.9731E-06
15-30.00	0.1816E-01	-7.5 TO 52.5	0.2204E-06	82.5-142.5	0.1930E-06	15	0- 60	0.9559E-06	90-150	0.8690E-06
30-45.00	0.2889E-01	-7.5 TO 52.5	0.1684E-06	82.5-142.5	0.1380E-06	30	0- 60	0.7950E-06	90-150	0.6654E-06
45-60.00	0.3765E-01	-7.5 TO 52.5	0.1033E-06	82.5-142.5	0.8075E-07	45	0- 60	0.5473E-06	90-150	0.4299E-06
60-75.00	0.4385E-01	-7.5 TO 52.5	0.4022E-07	82.5-142.5	0.3052E-07	60	0- 60	0.2823E-06	90-150	0.2127E-06
75-78.58	0.1106E-01	-7.5 TO 52.5	0.5884E-08	82.5-142.5	0.4249E-08	75	0- 60	0.4787E-07	90-150	0.3469E-07
0-15.00	0.7744E-02	-7.5 TO 67.5	0.2434E-06	82.5-157.5	0.2288E-06	0	0- 75	0.1216E-05	90-165	0.1216E-05
15-30.00	0.2270E-01	-7.5 TO 67.5	0.2188E-06	82.5-157.5	0.1908E-06	15	0- 75	0.1187E-05	90-165	0.1079E-05
30-45.00	0.3612E-01	-7.5 TO 67.5	0.1665E-06	82.5-157.5	0.1356E-06	30	0- 75	0.9827E-06	90-165	0.8207E-06
45-60.00	0.4707E-01	-7.5 TO 67.5	0.1019E-06	82.5-157.5	0.7896E-07	45	0- 75	0.6741E-06	90-165	0.5274E-06
60-75.00	0.5481E-01	-7.5 TO 67.5	0.3962E-07	82.5-157.5	0.2975E-07	60	0- 75	0.3469E-06	90-165	0.2600E-06
75-78.58	0.1382E-01	-7.5 TO 67.5	0.5780E-08	82.5-157.5	0.4127E-08	75	0- 75	0.5869E-07	90-165	0.4229E-07
0-15.00	0.9292E-02	-7.5 TO 82.5	0.2424E-06	82.5-172.5	0.2279E-06	0	0- 90	0.1460E-05	90-180	0.1460E-05
15-30.00	0.2724E-01	-7.5 TO 82.5	0.2167E-06	82.5-172.5	0.1889E-06	15	0- 90	0.1415E-05	90-180	0.1288E-05
30-45.00	0.4334E-01	-7.5 TO 82.5	0.1643E-06	82.5-172.5	0.1336E-06	30	0- 90	0.1164E-05	90-180	0.9744E-06
45-60.00	0.5648E-01	-7.5 TO 82.5	0.1003E-06	82.5-172.5	0.7747E-07	45	0- 90	0.7952E-06	90-180	0.6234E-06
60-75.00	0.6577E-01	-7.5 TO 82.5	0.3891E-07	82.5-172.5	0.2911E-07	60	0- 90	0.4082E-06	90-180	0.3064E-06
75-78.58	0.1659E-01	-7.5 TO 82.5	0.5657E-08	82.5-172.5	0.4026E-08	75	0- 90	0.6887E-07	90-180	0.4972E-07
0-15.00	0.1084E-01	-7.5 TO 97.5	0.2412E-06	82.5-187.5	0.2271E-06	0	0-105	0.1703E-05	90-195	0.1703E-05
15-30.00	0.3178E-01	-7.5 TO 97.5	0.2145E-06	82.5-187.5	0.1875E-06	15	0-105	0.1638E-05	90-195	0.1496E-05
30-45.00	0.5056E-01	-7.5 TO 97.5	0.1618E-06	82.5-187.5	0.1320E-06	30	0-105	0.1339E-05	90-195	0.1128E-05
45-60.00	0.6589E-01	-7.5 TO 97.5	0.9841E-07	82.5-187.5	0.7632E-07	45	0-105	0.9105E-06	90-195	0.7195E-06
60-75.00	0.7673E-01	-7.5 TO 97.5	0.3811E-07	82.5-187.5	0.2862E-07	60	0-105	0.4660E-06	90-195	0.3528E-06
75-78.58	0.1935E-01	-7.5 TO 97.5	0.5521E-08	82.5-187.5	0.3948E-08	75	0-105	0.7839E-07	90-195	0.5716E-07

r_2/r_1 = 0.01 d/r_1 = 5.000 $\cosh \mu_1$ = 2.6000 $\cosh \mu_2$ = 240.0010 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 89.76

0-15.00	0.1549E-02	-7.5 TO 7.5	0.2676E-06	82.5- 97.5	0.2506E-06	0	0- 15	0.2604E-06	90-105	0.2604E-06
15-30.00	0.4541E-02	-7.5 TO 7.5	0.2476E-06	82.5- 97.5	0.2152E-06	15	0- 15	0.2654E-06	90-105	0.2379E-06
30-45.00	0.7223E-02	-7.5 TO 7.5	0.1931E-06	82.5- 97.5	0.1572E-06	30	0- 15	0.2271E-06	90-105	0.1860E-06
45-60.00	0.9413E-02	-7.5 TO 7.5	0.1202E-06	82.5- 97.5	0.9351E-07	45	0- 15	0.1595E-06	90-105	0.1223E-06
60-75.00	0.1096E-01	-7.5 TO 7.5	0.4716E-07	82.5- 97.5	0.3570E-07	60	0- 15	0.8325E-07	90-105	0.6122E-07
75-78.58	0.2764E-02	-7.5 TO 7.5	0.6959E-08	82.5- 97.5	0.5044E-08	75	0- 15	0.1424E-07	90-105	0.1009E-07
0-15.00	0.3097E-02	-7.5 TO 22.5	0.2673E-06	82.5-112.5	0.2485E-06	0	0- 30	0.5208E-06	90-120	0.5208E-06
15-30.00	0.9081E-02	-7.5 TO 22.5	0.2471E-06	82.5-112.5	0.2111E-06	15	0- 30	0.5291E-06	90-120	0.4698E-06
30-45.00	0.1445E-01	-7.5 TO 22.5	0.1925E-06	82.5-112.5	0.1527E-06	30	0- 30	0.4517E-06	90-120	0.3633E-06
45-60.00	0.1883E-01	-7.5 TO 22.5	0.1197E-06	82.5-112.5	0.9019E-07	45	0- 30	0.3167E-06	90-120	0.2367E-06
60-75.00	0.2192E-01	-7.5 TO 22.5	0.4696E-07	82.5-112.5	0.3428E-07	60	0- 30	0.1652E-06	90-120	0.1178E-06
75-78.58	0.5529E-02	-7.5 TO 22.5	0.6925E-08	82.5-112.5	0.4818E-08	75	0- 30	0.2822E-07	90-120	0.1934E-07
0-15.00	0.4646E-02	-7.5 TO 37.5	0.2666E-06	82.5-127.5	0.2464E-06	0	0- 45	0.7812E-06	90-135	0.7812E-06
15-30.00	0.1362E-01	-7.5 TO 37.5	0.2458E-06	82.5-127.5	0.2072E-06	15	0- 45	0.7896E-06	90-135	0.6963E-06
30-45.00	0.2167E-01	-7.5 TO 37.5	0.1911E-06	82.5-127.5	0.1486E-06	30	0- 45	0.6715E-06	90-135	0.5329E-06
45-60.00	0.2824E-01	-7.5 TO 37.5	0.1187E-06	82.5-127.5	0.8714E-07	45	0- 45	0.4695E-06	90-135	0.3444E-06
60-75.00	0.3289E-01	-7.5 TO 37.5	0.4651E-07	82.5-127.5	0.3299E-07	60	0- 45	0.2445E-06	90-135	0.1706E-06
75-78.58	0.8293E-02	-7.5 TO 37.5	0.6847E-08	82.5-127.5	0.4613E-08	75	0- 45	0.4171E-07	90-135	0.2788E-07
0-15.00	0.6195E-02	-7.5 TO 52.5	0.2656E-06	82.5-142.5	0.2446E-06	0	0- 60	0.1042E-05	90-150	0.1042E-05
15-30.00	0.1816E-01	-7.5 TO 52.5	0.2439E-06	82.5-142.5	0.2037E-06	15	0- 60	0.1046E-05	90-150	0.9186E-06
30-45.00	0.2889E-01	-7.5 TO 52.5	0.1890E-06	82.5-142.5	0.1448E-06	30	0- 60	0.8846E-06	90-150	0.6965E-06
45-60.00	0.3765E-01	-7.5 TO 52.5	0.1171E-06	82.5-142.5	0.8444E-07	45	0- 60	0.6162E-06	90-150	0.4470E-06
60-75.00	0.4385E-01	-7.5 TO 52.5	0.4583E-07	82.5-142.5	0.3185E-07	60	0- 60	0.3202E-06	90-150	0.2203E-06
75-78.58	0.1106E-01	-7.5 TO 52.5	0.6730E-08	82.5-142.5	0.4434E-08	75	0- 60	0.5451E-07	90-150	0.3589E-07
0-15.00	0.7744E-02	-7.5 TO 67.5	0.2643E-06	82.5-157.5	0.2429E-06	0	0- 75	0.1302E-05	90-165	0.1302E-05
15-30.00	0.2270E-01	-7.5 TO 67.5	0.2414E-06	82.5-157.5	0.2007E-06	15	0- 75	0.1296E-05	90-165	0.1138E-05
30-45.00	0.3612E-01	-7.5 TO 67.5	0.1862E-06	82.5-157.5	0.1416E-06	30	0- 75	0.1089E-05	90-165	0.8559E-06
45-60.00	0.4707E-01	-7.5 TO 67.5	0.1150E-06	82.5-157.5	0.8212E-07	45	0- 75	0.7554E-06	90-165	0.5460E-06
60-75.00	0.5481E-01	-7.5 TO 67.5	0.4494E-07	82.5-157.5	0.3088E-07	60	0- 75	0.3914E-06	90-165	0.2681E-06
75-78.58	0.1382E-01	-7.5 TO 67.5	0.6580E-08	82.5-157.5	0.4282E-08	75	0- 75	0.6646E-07	90-165	0.4354E-07
0-15.00	0.9292E-02	-7.5 TO 82.5	0.2628E-06	82.5-172.5	0.2416E-06	0	0- 90	0.1562E-05	90-180	0.1562E-05
15-30.00	0.2724E-01	-7.5 TO 82.5	0.2384E-06	82.5-172.5	0.1982E-06	15	0- 90	0.1540E-05	90-180	0.1356E-05
30-45.00	0.4334E-01	-7.5 TO 82.5	0.1829E-06	82.5-172.5	0.1390E-06	30	0- 90	0.1285E-05	90-180	0.1013E-05
45-60.00	0.5648E-01	-7.5 TO 82.5	0.1126E-06	82.5-172.5	0.8023E-07	45	0- 90	0.8863E-06	90-180	0.6432E-06
60-75.00	0.6577E-01	-7.5 TO 82.5	0.4389E-07	82.5-172.5	0.3008E-07	60	0- 90	0.4577E-06	90-180	0.3148E-06
75-78.58	0.1659E-01	-7.5 TO 82.5	0.6404E-08	82.5-172.5	0.4158E-08	75	0- 90	0.7748E-07	90-180	0.5102E-07
0-15.00	0.1084E-01	-7.5 TO 97.5	0.2610E-06	82.5-187.5	0.2405E-06	0	0-105	0.1823E-05	90-195	0.1823E-05
15-30.00	0.3178E-01	-7.5 TO 97.5	0.2351E-06	82.5-187.5	0.1963E-06	15	0-105	0.1778E-05	90-195	0.1574E-05
30-45.00	0.5056E-01	-7.5 TO 97.5	0.1793E-06	82.5-187.5	0.1370E-06	30	0-105	0.1471E-05	90-195	0.1171E-05
45-60.00	0.6589E-01	-7.5 TO 97.5	0.1098E-06	82.5-187.5	0.7878E-07	45	0-105	0.1009E-05	90-195	0.7404E-06
60-75.00	0.7673E-01	-7.5 TO 97.5	0.4272E-07	82.5-187.5	0.2947E-07	60	0-105	0.5189E-06	90-195	0.3616E-06
75-78.58	0.1935E-01	-7.5 TO 97.5	0.6209E-08	82.5-187.5	0.4064E-08	75	0-105	0.8757E-07	90-195	0.5849E-07

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

r_2/r_1 = 0.01 d/r_1 = 5.000 $\cosh \mu_1$ = 2.6000 $\cosh \mu_2$ = 240.0010 $\alpha_{2,max}$ = 101.42 $\theta_{2,min}$ = 78.35

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1549E-02	-7.5 TO 7.5	0.2680E-06	82.5- 97.5	0.2506E-06	0	0- 15	0.2604E-06	90-105	0.2604E-06
15-30.00	0.4541E-02	-7.5 TO 7.5	0.2495E-06	82.5- 97.5	0.2152E-06	15	0- 15	0.2663E-06	90-105	0.2379E-06
30-45.00	0.7223E-02	-7.5 TO 7.5	0.1962E-06	82.5- 97.5	0.1573E-06	30	0- 15	0.2297E-06	90-105	0.1860E-06
45-60.00	0.9413E-02	-7.5 TO 7.5	0.1230E-06	82.5- 97.5	0.9352E-07	45	0- 15	0.1627E-06	90-105	0.1223E-06
60-75.00	0.1096E-01	-7.5 TO 7.5	0.4851E-07	82.5- 97.5	0.3570E-07	60	0- 15	0.8549E-07	90-105	0.6122E-07
75-78.58	0.2764E-02	-7.5 TO 7.5	0.7174E-08	82.5- 97.5	0.5045E-08	75	0- 15	0.1467E-07	90-105	0.1009E-07
0-15.00	0.3097E-02	-7.5 TO 22.5	0.2677E-06	82.5-112.5	0.2485E-06	0	0- 30	0.5208E-06	90-120	0.5208E-06
15-30.00	0.9081E-02	-7.5 TO 22.5	0.2489E-06	82.5-112.5	0.2111E-06	15	0- 30	0.5308E-06	90-120	0.4698E-06
30-45.00	0.1445E-01	-7.5 TO 22.5	0.1955E-06	82.5-112.5	0.1528E-06	30	0- 30	0.4566E-06	90-120	0.3633E-06
45-60.00	0.1883E-01	-7.5 TO 22.5	0.1225E-06	82.5-112.5	0.9020E-07	45	0- 30	0.3227E-06	90-120	0.2367E-06
60-75.00	0.2192E-01	-7.5 TO 22.5	0.4827E-07	82.5-112.5	0.3429E-07	60	0- 30	0.1694E-06	90-120	0.1178E-06
75-78.58	0.5529E-02	-7.5 TO 22.5	0.7132E-08	82.5-112.5	0.4818E-08	75	0- 30	0.2903E-07	90-120	0.1934E-07
0-15.00	0.4646E-02	-7.5 TO 37.5	0.2670E-06	82.5-127.5	0.2464E-06	0	0- 45	0.7812E-06	90-135	0.7812E-06
15-30.00	0.1362E-01	-7.5 TO 37.5	0.2475E-06	82.5-127.5	0.2072E-06	15	0- 45	0.7919E-06	90-135	0.6963E-06
30-45.00	0.2167E-01	-7.5 TO 37.5	0.1939E-06	82.5-127.5	0.1486E-06	30	0- 45	0.6781E-06	90-135	0.5329E-06
45-60.00	0.2824E-01	-7.5 TO 37.5	0.1212E-06	82.5-127.5	0.8715E-07	45	0- 45	0.4777E-06	90-135	0.3444E-06
60-75.00	0.3289E-01	-7.5 TO 37.5	0.4772E-07	82.5-127.5	0.3299E-07	60	0- 45	0.2501E-06	90-135	0.1706E-06
75-78.58	0.8293E-02	-7.5 TO 37.5	0.7039E-08	82.5-127.5	0.4613E-08	75	0- 45	0.4279E-07	90-135	0.2788E-07
0-15.00	0.6195E-02	-7.5 TO 52.5	0.2660E-06	82.5-142.5	0.2446E-06	0	0- 60	0.1042E-05	90-150	0.1042E-05
15-30.00	0.1816E-01	-7.5 TO 52.5	0.2454E-06	82.5-142.5	0.2037E-06	15	0- 60	0.1048E-05	90-150	0.9186E-06
30-45.00	0.2889E-01	-7.5 TO 52.5	0.1915E-06	82.5-142.5	0.1449E-06	30	0- 60	0.8921E-06	90-150	0.6965E-06
45-60.00	0.3765E-01	-7.5 TO 52.5	0.1194E-06	82.5-142.5	0.8444E-07	45	0- 60	0.6256E-06	90-150	0.4470E-06
60-75.00	0.4385E-01	-7.5 TO 52.5	0.4691E-07	82.5-142.5	0.3185E-07	60	0- 60	0.3266E-06	90-150	0.2203E-06
75-78.58	0.1106E-01	-7.5 TO 52.5	0.6901E-08	82.5-142.5	0.4434E-08	75	0- 60	0.5574E-07	90-150	0.3589E-07
0-15.00	0.7744E-02	-7.5 TO 67.5	0.2646E-06	82.5-157.5	0.2429E-06	0	0- 75	0.1302E-05	90-165	0.1302E-05
15-30.00	0.2270E-01	-7.5 TO 67.5	0.2427E-06	82.5-157.5	0.2007E-06	15	0- 75	0.1299E-05	90-165	0.1138E-05
30-45.00	0.3612E-01	-7.5 TO 67.5	0.1884E-06	82.5-157.5	0.1416E-06	30	0- 75	0.1097E-05	90-165	0.8559E-06
45-60.00	0.4707E-01	-7.5 TO 67.5	0.1170E-06	82.5-157.5	0.8212E-07	45	0- 75	0.7653E-06	90-165	0.5460E-06
60-75.00	0.5481E-01	-7.5 TO 67.5	0.4587E-07	82.5-157.5	0.3088E-07	60	0- 75	0.3982E-06	90-165	0.2681E-06
75-78.58	0.1382E-01	-7.5 TO 67.5	0.6727E-08	82.5-157.5	0.4282E-08	75	0- 75	0.6776E-07	90-165	0.4354E-07
0-15.00	0.9292E-02	-7.5 TO 82.5	0.2630E-06	82.5-172.5	0.2416E-06	0	0- 90	0.1562E-05	90-180	0.1562E-05
15-30.00	0.2724E-01	-7.5 TO 82.5	0.2395E-06	82.5-172.5	0.1982E-06	15	0- 90	0.1543E-05	90-180	0.1356E-05
30-45.00	0.4334E-01	-7.5 TO 82.5	0.1847E-06	82.5-172.5	0.1390E-06	30	0- 90	0.1293E-05	90-180	0.1013E-05
45-60.00	0.5648E-01	-7.5 TO 82.5	0.1143E-06	82.5-172.5	0.8023E-07	45	0- 90	0.8962E-06	90-180	0.6432E-06
60-75.00	0.6577E-01	-7.5 TO 82.5	0.4468E-07	82.5-172.5	0.3008E-07	60	0- 90	0.4645E-06	90-180	0.3148E-06
75-78.58	0.1659E-01	-7.5 TO 82.5	0.6529E-08	82.5-172.5	0.4158E-08	75	0- 90	0.7879E-07	90-180	0.5102E-07
0-15.00	0.1084E-01	-7.5 TO 97.5	0.2613E-06	82.5-187.5	0.2405E-06	0	0-105	0.1823E-05	90-195	0.1823E-05
15-30.00	0.3178E-01	-7.5 TO 97.5	0.2360E-06	82.5-187.5	0.1963E-06	15	0-105	0.1781E-05	90-195	0.1574E-05
30-45.00	0.5056E-01	-7.5 TO 97.5	0.1808E-06	82.5-187.5	0.1370E-06	30	0-105	0.1479E-05	90-195	0.1171E-05
45-60.00	0.6589E-01	-7.5 TO 97.5	0.1113E-06	82.5-187.5	0.7878E-07	45	0-105	0.1018E-05	90-195	0.7404E-06
60-75.00	0.7673E-01	-7.5 TO 97.5	0.4340E-07	82.5-187.5	0.2948E-07	60	0-105	0.5257E-06	90-195	0.3616E-06
75-78.58	0.1935E-01	-7.5 TO 97.5	0.6317E-08	82.5-187.5	0.4064E-08	75	0-105	0.8888E-07	90-195	0.5849E-07

r_2/r_1 = 0.01 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5714 $\cosh \mu_2$ = 342.8578 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 164.96

0-15.00	0.7589E-03	-7.5 TO 7.5	0.7584E-08	82.5- 97.5	0.7546E-08	0	0- 15	0.7778E-08	90-105	0.7778E-08
15-30.00	0.2225E-02	-7.5 TO 7.5	0.6752E-08	82.5- 97.5	0.6676E-08	15	0- 15	0.7372E-08	90-105	0.7309E-08
30-45.00	0.3539E-02	-7.5 TO 7.5	0.5259E-08	82.5- 97.5	0.5168E-08	30	0- 15	0.6148E-08	90-105	0.6048E-08
45-60.00	0.4613E-02	-7.5 TO 7.5	0.3434E-08	82.5- 97.5	0.3360E-08	45	0- 15	0.4413E-08	90-105	0.4315E-08
60-75.00	0.5371E-02	-7.5 TO 7.5	0.1591E-08	82.5- 97.5	0.1552E-08	60	0- 15	0.2518E-08	90-105	0.2451E-08
75-81.87	0.2614E-02	-7.5 TO 7.5	0.3553E-09	82.5- 97.5	0.3452E-09	75	0- 15	0.7302E-09	90-105	0.7083E-09
0-15.00	0.1518E-02	-7.5 TO 22.5	0.7583E-08	82.5-112.5	0.7541E-08	0	0- 30	0.1556E-07	90-120	0.1556E-07
15-30.00	0.4450E-02	-7.5 TO 22.5	0.6751E-08	82.5-112.5	0.6666E-08	15	0- 30	0.1474E-07	90-120	0.1460E-07
30-45.00	0.7079E-02	-7.5 TO 22.5	0.5257E-08	82.5-112.5	0.5157E-08	30	0- 30	0.1229E-07	90-120	0.1207E-07
45-60.00	0.9225E-02	-7.5 TO 22.5	0.3433E-08	82.5-112.5	0.3350E-08	45	0- 30	0.8820E-08	90-120	0.8608E-08
60-75.00	0.1074E-01	-7.5 TO 22.5	0.1591E-08	82.5-112.5	0.1547E-08	60	0- 30	0.5032E-08	90-120	0.4887E-08
75-81.87	0.5229E-02	-7.5 TO 22.5	0.3552E-09	82.5-112.5	0.3439E-09	75	0- 30	0.1459E-08	90-120	0.1412E-08
0-15.00	0.2277E-02	-7.5 TO 37.5	0.7582E-08	82.5-127.5	0.7536E-08	0	0- 45	0.2333E-07	90-135	0.2333E-07
15-30.00	0.6675E-02	-7.5 TO 37.5	0.6748E-08	82.5-127.5	0.6657E-08	15	0- 45	0.2210E-07	90-135	0.2188E-07
30-45.00	0.1062E-01	-7.5 TO 37.5	0.5254E-08	82.5-127.5	0.5145E-08	30	0- 45	0.1842E-07	90-135	0.1808E-07
45-60.00	0.1384E-01	-7.5 TO 37.5	0.3430E-08	82.5-127.5	0.3341E-08	45	0- 45	0.1322E-07	90-135	0.1288E-07
60-75.00	0.1611E-01	-7.5 TO 37.5	0.1589E-08	82.5-127.5	0.1542E-08	60	0- 45	0.7538E-08	90-135	0.7310E-08
75-81.87	0.7843E-02	-7.5 TO 37.5	0.3548E-09	82.5-127.5	0.3427E-09	75	0- 45	0.2186E-08	90-135	0.2111E-08
0-15.00	0.3035E-02	-7.5 TO 52.5	0.7580E-08	82.5-142.5	0.7531E-08	0	0- 60	0.3111E-07	90-150	0.3111E-07
15-30.00	0.8900E-02	-7.5 TO 52.5	0.6744E-08	82.5-142.5	0.6648E-08	15	0- 60	0.2945E-07	90-150	0.2916E-07
30-45.00	0.1416E-01	-7.5 TO 52.5	0.5248E-08	82.5-142.5	0.5135E-08	30	0- 60	0.2453E-07	90-150	0.2407E-07
45-60.00	0.1845E-01	-7.5 TO 52.5	0.3426E-08	82.5-142.5	0.3333E-08	45	0- 60	0.1760E-07	90-150	0.1714E-07
60-75.00	0.2149E-01	-7.5 TO 52.5	0.1587E-08	82.5-142.5	0.1537E-08	60	0- 60	0.1003E-07	90-150	0.9722E-08
75-81.87	0.1046E-01	-7.5 TO 52.5	0.3542E-09	82.5-142.5	0.3415E-09	75	0- 60	0.2908E-08	90-150	0.2806E-08
0-15.00	0.3794E-02	-7.5 TO 67.5	0.7577E-08	82.5-157.5	0.7528E-08	0	0- 75	0.3889E-07	90-165	0.3889E-07
15-30.00	0.1112E-01	-7.5 TO 67.5	0.6738E-08	82.5-157.5	0.6640E-08	15	0- 75	0.3679E-07	90-165	0.3642E-07
30-45.00	0.1770E-01	-7.5 TO 67.5	0.5241E-08	82.5-157.5	0.5126E-08	30	0- 75	0.3063E-07	90-165	0.3005E-07
45-60.00	0.2306E-01	-7.5 TO 67.5	0.3420E-08	82.5-157.5	0.3325E-08	45	0- 75	0.2195E-07	90-165	0.2138E-07
60-75.00	0.2686E-01	-7.5 TO 67.5	0.1584E-08	82.5-157.5	0.1534E-08	60	0- 75	0.1251E-07	90-165	0.1213E-07
75-81.87	0.1307E-01	-7.5 TO 67.5	0.3534E-09	82.5-157.5	0.3405E-09	75	0- 75	0.3627E-08	90-165	0.3499E-08
0-15.00	0.4553E-02	-7.5 TO 82.5	0.7573E-08	82.5-172.5	0.7524E-08	0	0- 90	0.4667E-07	90-180	0.4667E-07
15-30.00	0.1335E-01	-7.5 TO 82.5	0.6731E-08	82.5-172.5	0.6634E-08	15	0- 90	0.4411E-07	90-180	0.4368E-07
30-45.00	0.2124E-01	-7.5 TO 82.5	0.5233E-08	82.5-172.5	0.5119E-08	30	0- 90	0.3670E-07	90-180	0.3602E-07
45-60.00	0.2768E-01	-7.5 TO 82.5	0.3413E-08	82.5-172.5	0.3319E-08	45	0- 90	0.2629E-07	90-180	0.2562E-07
60-75.00	0.3223E-01	-7.5 TO 82.5	0.1580E-08	82.5-172.5	0.1530E-08	60	0- 90	0.1498E-07	90-180	0.1453E-07
75-81.87	0.1569E-01	-7.5 TO 82.5	0.3525E-09	82.5-172.5	0.3397E-09	75	0- 90	0.4340E-08	90-180	0.4191E-08
0-15.00	0.5312E-02	-7.5 TO 97.5	0.7569E-08	82.5-187.5	0.7522E-08	0	0-105	0.5445E-07	90-195	0.5445E-07
15-30.00	0.1597E-01	-7.5 TO 97.5	0.6723E-08	82.5-187.5	0.6629E-08	15	0-105	0.5142E-07	90-195	0.5094E-07
30-45.00	0.2478E-01	-7.5 TO 97.5	0.5224E-08	82.5-187.5	0.5113E-08	30	0-105	0.4275E-07	90-195	0.4199E-07
45-60.00	0.3229E-01	-7.5 TO 97.5	0.3406E-08	82.5-187.5	0.3314E-08	45	0-105	0.3061E-07	90-195	0.2986E-07
60-75.00	0.3760E-01	-7.5 TO 97.5	0.1576E-08	82.5-187.5	0.1528E-08	60	0-105	0.1743E-07	90-195	0.1693E-07
75-81.87	0.1830E-01	-7.5 TO 97.5	0.3514E-09	82.5-187.5	0.3391E-09	75	0-105	0.5048E-08	90-195	0.4882E-08

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

r_2/r_1 = 0.01 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5714 $\cosh \mu_2$ = 342.8578 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 149.92

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7589E-03	-7.5 TO 7.5	0.2845E-07	82.5- 97.5	0.2815E-07	0	0- 15	0.2902E-07	90-105	0.2902E-07
15-30.00	0.2225E-02	-7.5 TO 7.5	0.2549E-07	82.5- 97.5	0.2491E-07	15	0- 15	0.2772E-07	90-105	0.2724E-07
30-45.00	0.3539E-02	-7.5 TO 7.5	0.1998E-07	82.5- 97.5	0.1928E-07	30	0- 15	0.2328E-07	90-105	0.2252E-07
45-60.00	0.4613E-02	-7.5 TO 7.5	0.1311E-07	82.5- 97.5	0.1254E-07	45	0- 15	0.1681E-07	90-105	0.1605E-07
60-75.00	0.5371E-02	-7.5 TO 7.5	0.6092E-08	82.5- 97.5	0.5790E-08	60	0- 15	0.9626E-08	90-105	0.9115E-08
75-81.87	0.2614E-02	-7.5 TO 7.5	0.1366E-08	82.5- 97.5	0.1288E-08	75	0- 15	0.2801E-08	90-105	0.2633E-08
0-15.00	0.1518E-02	-7.5 TO 22.5	0.2844E-07	82.5-112.5	0.2811E-07	0	0- 30	0.5804E-07	90-120	0.5804E-07
15-30.00	0.4450E-02	-7.5 TO 22.5	0.2548E-07	82.5-112.5	0.2483E-07	15	0- 30	0.5541E-07	90-120	0.5437E-07
30-45.00	0.7079E-02	-7.5 TO 22.5	0.1996E-07	82.5-112.5	0.1919E-07	30	0- 30	0.4652E-07	90-120	0.4487E-07
45-60.00	0.9225E-02	-7.5 TO 22.5	0.1310E-07	82.5-112.5	0.1246E-07	45	0- 30	0.3357E-07	90-120	0.3194E-07
60-75.00	0.1074E-01	-7.5 TO 22.5	0.6087E-08	82.5-112.5	0.5751E-08	60	0- 30	0.1922E-07	90-120	0.1811E-07
75-81.87	0.5229E-02	-7.5 TO 22.5	0.1364E-08	82.5-112.5	0.1278E-08	75	0- 30	0.5591E-08	90-120	0.5229E-08
0-15.00	0.2277E-02	-7.5 TO 37.5	0.2843E-07	82.5-127.5	0.2808E-07	0	0- 45	0.8706E-07	90-135	0.8706E-07
15-30.00	0.6675E-02	-7.5 TO 37.5	0.2546E-07	82.5-127.5	0.2476E-07	15	0- 45	0.8305E-07	90-135	0.8140E-07
30-45.00	0.1062E-01	-7.5 TO 37.5	0.1994E-07	82.5-127.5	0.1911E-07	30	0- 45	0.6966E-07	90-135	0.6706E-07
45-60.00	0.1384E-01	-7.5 TO 37.5	0.1307E-07	82.5-127.5	0.1239E-07	45	0- 45	0.5024E-07	90-135	0.4767E-07
60-75.00	0.1611E-01	-7.5 TO 37.5	0.6075E-08	82.5-127.5	0.5714E-08	60	0- 45	0.2876E-07	90-135	0.2701E-07
75-81.87	0.7843E-02	-7.5 TO 37.5	0.1361E-08	82.5-127.5	0.1269E-08	75	0- 45	0.8362E-08	90-135	0.7791E-08
0-15.00	0.3035E-02	-7.5 TO 52.5	0.2841E-07	82.5-142.5	0.2804E-07	0	0- 60	0.1161E-06	90-150	0.1161E-06
15-30.00	0.8900E-02	-7.5 TO 52.5	0.2543E-07	82.5-142.5	0.2469E-07	15	0- 60	0.1106E-06	90-150	0.1084E-06
30-45.00	0.1416E-01	-7.5 TO 52.5	0.1990E-07	82.5-142.5	0.1903E-07	30	0- 60	0.9268E-07	90-150	0.8913E-07
45-60.00	0.1845E-01	-7.5 TO 52.5	0.1304E-07	82.5-142.5	0.1233E-07	45	0- 60	0.6679E-07	90-150	0.6328E-07
60-75.00	0.2149E-01	-7.5 TO 52.5	0.6057E-08	82.5-142.5	0.5680E-08	60	0- 60	0.3821E-07	90-150	0.3583E-07
75-81.87	0.1046E-01	-7.5 TO 52.5	0.1357E-08	82.5-142.5	0.1260E-08	75	0- 60	0.1111E-07	90-150	0.1033E-07
0-15.00	0.3794E-02	-7.5 TO 67.5	0.2839E-07	82.5-157.5	0.2801E-07	0	0- 75	0.1451E-06	90-165	0.1451E-06
15-30.00	0.1112E-01	-7.5 TO 67.5	0.2538E-07	82.5-157.5	0.2463E-07	15	0- 75	0.1381E-06	90-165	0.1352E-06
30-45.00	0.1770E-01	-7.5 TO 67.5	0.1984E-07	82.5-157.5	0.1896E-07	30	0- 75	0.1156E-06	90-165	0.1111E-06
45-60.00	0.2306E-01	-7.5 TO 67.5	0.1300E-07	82.5-157.5	0.1227E-07	45	0- 75	0.8319E-07	90-165	0.7880E-07
60-75.00	0.2686E-01	-7.5 TO 67.5	0.6034E-08	82.5-157.5	0.5650E-08	60	0- 75	0.4756E-07	90-165	0.4458E-07
75-81.87	0.1307E-01	-7.5 TO 67.5	0.1351E-08	82.5-157.5	0.1253E-08	75	0- 75	0.1382E-07	90-165	0.1284E-07
0-15.00	0.4553E-02	-7.5 TO 82.5	0.2836E-07	82.5-172.5	0.2799E-07	0	0- 90	0.1741E-06	90-180	0.1741E-06
15-30.00	0.1335E-01	-7.5 TO 82.5	0.2533E-07	82.5-172.5	0.2458E-07	15	0- 90	0.1654E-06	90-180	0.1621E-06
30-45.00	0.2124E-01	-7.5 TO 82.5	0.1978E-07	82.5-172.5	0.1890E-07	30	0- 90	0.1382E-06	90-180	0.1331E-06
45-60.00	0.2768E-01	-7.5 TO 82.5	0.1294E-07	82.5-172.5	0.1222E-07	45	0- 90	0.9941E-07	90-180	0.9428E-07
60-75.00	0.3223E-01	-7.5 TO 82.5	0.6006E-08	82.5-172.5	0.5625E-08	60	0- 90	0.5679E-07	90-180	0.5330E-07
75-81.87	0.1569E-01	-7.5 TO 82.5	0.1344E-08	82.5-172.5	0.1246E-08	75	0- 90	0.1649E-07	90-180	0.1535E-07
0-15.00	0.5312E-02	-7.5 TO 97.5	0.2833E-07	82.5-187.5	0.2797E-07	0	0-105	0.2031E-06	90-195	0.2031E-06
15-30.00	0.1557E-01	-7.5 TO 97.5	0.2527E-07	82.5-187.5	0.2455E-07	15	0-105	0.1927E-06	90-195	0.1890E-06
30-45.00	0.2478E-01	-7.5 TO 97.5	0.1971E-07	82.5-187.5	0.1886E-07	30	0-105	0.1608E-06	90-195	0.1550E-06
45-60.00	0.3229E-01	-7.5 TO 97.5	0.1289E-07	82.5-187.5	0.1219E-07	45	0-105	0.1155E-06	90-195	0.1098E-06
60-75.00	0.3760E-01	-7.5 TO 97.5	0.5975E-08	82.5-187.5	0.5605E-08	60	0-105	0.6591E-07	90-195	0.6203E-07
75-81.87	0.1830E-01	-7.5 TO 97.5	0.1336E-08	82.5-187.5	0.1241E-08	75	0-105	0.1912E-07	90-195	0.1785E-07

r_2/r_1 = 0.01 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5714 $\cosh \mu_2$ = 342.8578 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 134.88

0-15.00	0.7589E-03	-7.5 TO 7.5	0.5720E-07	82.5- 97.5	0.5627E-07	0	0- 15	0.5801E-07	90-105	0.5801E-07
15-30.00	0.2225E-02	-7.5 TO 7.5	0.5163E-07	82.5- 97.5	0.4979E-07	15	0- 15	0.5590E-07	90-105	0.5438E-07
30-45.00	0.3539E-02	-7.5 TO 7.5	0.4072E-07	82.5- 97.5	0.3855E-07	30	0- 15	0.4731E-07	90-105	0.4491E-07
45-60.00	0.4613E-02	-7.5 TO 7.5	0.2685E-07	82.5- 97.5	0.2506E-07	45	0- 15	0.3436E-07	90-105	0.3199E-07
60-75.00	0.5371E-02	-7.5 TO 7.5	0.1252E-07	82.5- 97.5	0.1158E-07	60	0- 15	0.1976E-07	90-105	0.1815E-07
75-81.87	0.2614E-02	-7.5 TO 7.5	0.2817E-08	82.5- 97.5	0.2576E-08	75	0- 15	0.5767E-08	90-105	0.5243E-08
0-15.00	0.1518E-02	-7.5 TO 22.5	0.5718E-07	82.5-112.5	0.5615E-07	0	0- 30	0.1160E-06	90-120	0.1160E-06
15-30.00	0.4450E-02	-7.5 TO 22.5	0.5160E-07	82.5-112.5	0.4955E-07	15	0- 30	0.1117E-06	90-120	0.1084E-06
30-45.00	0.7079E-02	-7.5 TO 22.5	0.4069E-07	82.5-112.5	0.3826E-07	30	0- 30	0.9467E-07	90-120	0.8929E-07
45-60.00	0.9225E-02	-7.5 TO 22.5	0.2682E-07	82.5-112.5	0.2483E-07	45	0- 30	0.6857E-07	90-120	0.6345E-07
60-75.00	0.1074E-01	-7.5 TO 22.5	0.1251E-07	82.5-112.5	0.1145E-07	60	0- 30	0.3943E-07	90-120	0.3595E-07
75-81.87	0.5229E-02	-7.5 TO 22.5	0.2813E-08	82.5-112.5	0.2545E-08	75	0- 30	0.1150E-07	90-120	0.1037E-07
0-15.00	0.2277E-02	-7.5 TO 37.5	0.5715E-07	82.5-127.5	0.5604E-07	0	0- 45	0.1740E-06	90-135	0.1740E-06
15-30.00	0.6675E-02	-7.5 TO 37.5	0.5153E-07	82.5-127.5	0.4932E-07	15	0- 45	0.1673E-06	90-135	0.1622E-06
30-45.00	0.1062E-01	-7.5 TO 37.5	0.4060E-07	82.5-127.5	0.3799E-07	30	0- 45	0.1414E-06	90-135	0.1332E-06
45-60.00	0.1384E-01	-7.5 TO 37.5	0.2675E-07	82.5-127.5	0.2461E-07	45	0- 45	0.1025E-06	90-135	0.9444E-07
60-75.00	0.1611E-01	-7.5 TO 37.5	0.1247E-07	82.5-127.5	0.1134E-07	60	0- 45	0.5890E-07	90-135	0.5342E-07
75-81.87	0.7843E-02	-7.5 TO 37.5	0.2803E-08	82.5-127.5	0.2516E-08	75	0- 45	0.1718E-07	90-135	0.1539E-07
0-15.00	0.3035E-02	-7.5 TO 52.5	0.5709E-07	82.5-142.5	0.5593E-07	0	0- 60	0.2320E-06	90-150	0.2320E-06
15-30.00	0.8900E-02	-7.5 TO 52.5	0.5142E-07	82.5-142.5	0.4911E-07	15	0- 60	0.2227E-06	90-150	0.2156E-06
30-45.00	0.1416E-01	-7.5 TO 52.5	0.4047E-07	82.5-142.5	0.3775E-07	30	0- 60	0.1879E-06	90-150	0.1767E-06
45-60.00	0.1845E-01	-7.5 TO 52.5	0.2665E-07	82.5-142.5	0.2440E-07	45	0- 60	0.1361E-06	90-150	0.1250E-06
60-75.00	0.2149E-01	-7.5 TO 52.5	0.1241E-07	82.5-142.5	0.1123E-07	60	0- 60	0.7811E-07	90-150	0.7063E-07
75-81.87	0.1046E-01	-7.5 TO 52.5	0.2789E-08	82.5-142.5	0.2489E-08	75	0- 60	0.2276E-07	90-150	0.2033E-07
0-15.00	0.3794E-02	-7.5 TO 67.5	0.5702E-07	82.5-157.5	0.5584E-07	0	0- 75	0.2900E-06	90-165	0.2900E-06
15-30.00	0.1112E-01	-7.5 TO 67.5	0.5128E-07	82.5-157.5	0.4893E-07	15	0- 75	0.2778E-06	90-165	0.2690E-06
30-45.00	0.1770E-01	-7.5 TO 67.5	0.4031E-07	82.5-157.5	0.3753E-07	30	0- 75	0.2339E-06	90-165	0.2199E-06
45-60.00	0.2306E-01	-7.5 TO 67.5	0.2651E-07	82.5-157.5	0.2423E-07	45	0- 75	0.1691E-06	90-165	0.1554E-06
60-75.00	0.2686E-01	-7.5 TO 67.5	0.1234E-07	82.5-157.5	0.1114E-07	60	0- 75	0.9700E-07	90-165	0.8765E-07
75-81.87	0.1307E-01	-7.5 TO 67.5	0.2770E-08	82.5-157.5	0.2466E-08	75	0- 75	0.2825E-07	90-165	0.2520E-07
0-15.00	0.4553E-02	-7.5 TO 82.5	0.5694E-07	82.5-172.5	0.5576E-07	0	0- 90	0.3480E-06	90-180	0.3480E-06
15-30.00	0.1335E-01	-7.5 TO 82.5	0.5111E-07	82.5-172.5	0.4878E-07	15	0- 90	0.3325E-06	90-180	0.3222E-06
30-45.00	0.2124E-01	-7.5 TO 82.5	0.4011E-07	82.5-172.5	0.3735E-07	30	0- 90	0.2793E-06	90-180	0.2630E-06
45-60.00	0.2768E-01	-7.5 TO 82.5	0.2634E-07	82.5-172.5	0.2408E-07	45	0- 90	0.2017E-06	90-180	0.1855E-06
60-75.00	0.3223E-01	-7.5 TO 82.5	0.1225E-07	82.5-172.5	0.1106E-07	60	0- 90	0.1155E-06	90-180	0.1046E-06
75-81.87	0.1569E-01	-7.5 TO 82.5	0.2748E-08	82.5-172.5	0.2446E-08	75	0- 90	0.3361E-07	90-180	0.3005E-07
0-15.00	0.5312E-02	-7.5 TO 97.5	0.5684E-07	82.5-187.5	0.5570E-07	0	0-105	0.4060E-06	90-195	0.4060E-06
15-30.00	0.1557E-01	-7.5 TO 97.5	0.5092E-07	82.5-187.5	0.4866E-07	15	0-105	0.3869E-06	90-195	0.3754E-06
30-45.00	0.2478E-01	-7.5 TO 97.5	0.3988E-07	82.5-187.5	0.3721E-07	30	0-105	0.3242E-06	90-195	0.3061E-06
45-60.00	0.3229E-01	-7.5 TO 97.5	0.2616E-07	82.5-187.5	0.2396E-07	45	0-105	0.2337E-06	90-195	0.2157E-06
60-75.00	0.3760E-01	-7.5 TO 97.5	0.1216E-07	82.5-187.5	0.1100E-07	60	0-105	0.1337E-06	90-195	0.1215E-06
75-81.87	0.1830E-01	-7.5 TO 97.5	0.2724E-08	82.5-187.5	0.2431E-08	75	0-105	0.3885E-07	90-195	0.3489E-07

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

r_2/r_1 = 0.01 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5714 $\cosh \mu_2$ = 342.8578 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 119.86

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7589E-03	-7.5 TO 7.5	0.8634E-07	82.5- 97.5	0.8435E-07	0	0- 15	0.8695E-07	90-105	0.8695E-07
15-30.00	0.2225E-02	-7.5 TO 7.5	0.7859E-07	82.5- 97.5	0.7463E-07	15	0- 15	0.8466E-07	90-105	0.8140E-07
30-45.00	0.3539E-02	-7.5 TO 7.5	0.6246E-07	82.5- 97.5	0.5778E-07	30	0- 15	0.7229E-07	90-105	0.6715E-07
45-60.00	0.4613E-02	-7.5 TO 7.5	0.4142E-07	82.5- 97.5	0.3757E-07	45	0- 15	0.5285E-07	90-105	0.4778E-07
60-75.00	0.5371E-02	-7.5 TO 7.5	0.1938E-07	82.5- 97.5	0.1735E-07	60	0- 15	0.3054E-07	90-105	0.2709E-07
75-81.87	0.2614E-02	-7.5 TO 7.5	0.4374E-08	82.5- 97.5	0.3863E-08	75	0- 15	0.8941E-08	90-105	0.7822E-08
0-15.00	0.1518E-02	-7.5 TO 22.5	0.8631E-07	82.5-112.5	0.8409E-07	0	0- 30	0.1739E-06	90-120	0.1739E-06
15-30.00	0.4450E-02	-7.5 TO 22.5	0.7852E-07	82.5-112.5	0.7412E-07	15	0- 30	0.1691E-06	90-120	0.1621E-06
30-45.00	0.7079E-02	-7.5 TO 22.5	0.6238E-07	82.5-112.5	0.5718E-07	30	0- 30	0.1443E-06	90-120	0.1331E-06
45-60.00	0.9225E-02	-7.5 TO 22.5	0.4135E-07	82.5-112.5	0.3707E-07	45	0- 30	0.1054E-06	90-120	0.9442E-07
60-75.00	0.1074E-01	-7.5 TO 22.5	0.1935E-07	82.5-112.5	0.1709E-07	60	0- 30	0.6087E-07	90-120	0.5342E-07
75-81.87	0.5229E-02	-7.5 TO 22.5	0.4365E-08	82.5-112.5	0.3798E-08	75	0- 30	0.1781E-07	90-120	0.1540E-07
0-15.00	0.2277E-02	-7.5 TO 37.5	0.8623E-07	82.5-127.5	0.8385E-07	0	0- 45	0.2609E-06	90-135	0.2609E-06
15-30.00	0.6675E-02	-7.5 TO 37.5	0.7837E-07	82.5-127.5	0.7363E-07	15	0- 45	0.2532E-06	90-135	0.2421E-06
30-45.00	0.1062E-01	-7.5 TO 37.5	0.6220E-07	82.5-127.5	0.5660E-07	30	0- 45	0.2156E-06	90-135	0.1981E-06
45-60.00	0.1384E-01	-7.5 TO 37.5	0.4120E-07	82.5-127.5	0.3660E-07	45	0- 45	0.1574E-06	90-135	0.1400E-06
60-75.00	0.1611E-01	-7.5 TO 37.5	0.1927E-07	82.5-127.5	0.1684E-07	60	0- 45	0.9080E-07	90-135	0.7905E-07
75-81.87	0.7843E-02	-7.5 TO 37.5	0.4345E-08	82.5-127.5	0.3736E-08	75	0- 45	0.2656E-07	90-135	0.2275E-07
0-15.00	0.3035E-02	-7.5 TO 52.5	0.8611E-07	82.5-142.5	0.8362E-07	0	0- 60	0.3478E-06	90-150	0.3478E-06
15-30.00	0.8900E-02	-7.5 TO 52.5	0.7813E-07	82.5-142.5	0.7318E-07	15	0- 60	0.3368E-06	90-150	0.3216E-06
30-45.00	0.1416E-01	-7.5 TO 52.5	0.6192E-07	82.5-142.5	0.5607E-07	30	0- 60	0.2862E-06	90-150	0.2622E-06
45-60.00	0.1845E-01	-7.5 TO 52.5	0.4097E-07	82.5-142.5	0.3616E-07	45	0- 60	0.2085E-06	90-150	0.1848E-06
60-75.00	0.2149E-01	-7.5 TO 52.5	0.1915E-07	82.5-142.5	0.1661E-07	60	0- 60	0.1202E-06	90-150	0.1041E-06
75-81.87	0.1046E-01	-7.5 TO 52.5	0.4314E-08	82.5-142.5	0.3679E-08	75	0- 60	0.3511E-07	90-150	0.2992E-07
0-15.00	0.3794E-02	-7.5 TO 67.5	0.8596E-07	82.5-157.5	0.8342E-07	0	0- 75	0.4348E-06	90-165	0.4348E-06
15-30.00	0.1112E-01	-7.5 TO 67.5	0.7783E-07	82.5-157.5	0.7279E-07	15	0- 75	0.4197E-06	90-165	0.4007E-06
30-45.00	0.1770E-01	-7.5 TO 67.5	0.6156E-07	82.5-157.5	0.5560E-07	30	0- 75	0.3557E-06	90-165	0.3257E-06
45-60.00	0.2306E-01	-7.5 TO 67.5	0.4068E-07	82.5-157.5	0.3578E-07	45	0- 75	0.2586E-06	90-165	0.2290E-06
60-75.00	0.2686E-01	-7.5 TO 67.5	0.1899E-07	82.5-157.5	0.1641E-07	60	0- 75	0.1488E-06	90-165	0.1288E-06
75-81.87	0.1307E-01	-7.5 TO 67.5	0.4275E-08	82.5-157.5	0.3630E-08	75	0- 75	0.4344E-07	90-165	0.3696E-07
0-15.00	0.4553E-02	-7.5 TO 82.5	0.8578E-07	82.5-172.5	0.8326E-07	0	0- 90	0.5217E-06	90-180	0.5217E-06
15-30.00	0.1335E-01	-7.5 TO 82.5	0.7747E-07	82.5-172.5	0.7246E-07	15	0- 90	0.5018E-06	90-180	0.4796E-06
30-45.00	0.2124E-01	-7.5 TO 82.5	0.6113E-07	82.5-172.5	0.5521E-07	30	0- 90	0.4240E-06	90-180	0.3890E-06
45-60.00	0.2768E-01	-7.5 TO 82.5	0.4032E-07	82.5-172.5	0.3546E-07	45	0- 90	0.3075E-06	90-180	0.2729E-06
60-75.00	0.3223E-01	-7.5 TO 82.5	0.1881E-07	82.5-172.5	0.1625E-07	60	0- 90	0.1767E-06	90-180	0.1533E-06
75-81.87	0.1569E-01	-7.5 TO 82.5	0.4228E-08	82.5-172.5	0.3588E-08	75	0- 90	0.5153E-07	90-180	0.4394E-07
0-15.00	0.5312E-02	-7.5 TO 97.5	0.8557E-07	82.5-187.5	0.8313E-07	0	0-105	0.6087E-06	90-195	0.6087E-06
15-30.00	0.1557E-01	-7.5 TO 97.5	0.7706E-07	82.5-187.5	0.7220E-07	15	0-105	0.5832E-06	90-195	0.5585E-06
30-45.00	0.2478E-01	-7.5 TO 97.5	0.6065E-07	82.5-187.5	0.5491E-07	30	0-105	0.4912E-06	90-195	0.4522E-06
45-60.00	0.3229E-01	-7.5 TO 97.5	0.3993E-07	82.5-187.5	0.3521E-07	45	0-105	0.3553E-06	90-195	0.3168E-06
60-75.00	0.3760E-01	-7.5 TO 97.5	0.1860E-07	82.5-187.5	0.1612E-07	60	0-105	0.2038E-06	90-195	0.1777E-06
75-81.87	0.1830E-01	-7.5 TO 97.5	0.4176E-08	82.5-187.5	0.3557E-08	75	0-105	0.5935E-07	90-195	0.5091E-07

r_2/r_1 = 0.01 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5714 $\cosh \mu_2$ = 342.8578 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 104.84

0-15.00	0.7589E-03	-7.5 TO 7.5	0.1083E-06	82.5- 97.5	0.1048E-06	0	0- 15	0.1081E-06	90-105	0.1081E-06
15-30.00	0.2225E-02	-7.5 TO 7.5	0.9958E-07	82.5- 97.5	0.9277E-07	15	0- 15	0.1066E-06	90-105	0.1010E-06
30-45.00	0.3539E-02	-7.5 TO 7.5	0.7986E-07	82.5- 97.5	0.7182E-07	30	0- 15	0.9202E-07	90-105	0.8318E-07
45-60.00	0.4613E-02	-7.5 TO 7.5	0.5331E-07	82.5- 97.5	0.4670E-07	45	0- 15	0.6783E-07	90-105	0.5911E-07
60-75.00	0.5371E-02	-7.5 TO 7.5	0.2505E-07	82.5- 97.5	0.2157E-07	60	0- 15	0.3941E-07	90-105	0.3349E-07
75-81.87	0.2614E-02	-7.5 TO 7.5	0.5669E-08	82.5- 97.5	0.4803E-08	75	0- 15	0.1157E-07	90-105	0.9666E-08
0-15.00	0.1518E-02	-7.5 TO 22.5	0.1082E-06	82.5-112.5	0.1044E-06	0	0- 30	0.2162E-06	90-120	0.2162E-06
15-30.00	0.4450E-02	-7.5 TO 22.5	0.9946E-07	82.5-112.5	0.9189E-07	15	0- 30	0.2129E-06	90-120	0.2008E-06
30-45.00	0.7079E-02	-7.5 TO 22.5	0.7973E-07	82.5-112.5	0.7079E-07	30	0- 30	0.1835E-06	90-120	0.1644E-06
45-60.00	0.9225E-02	-7.5 TO 22.5	0.5320E-07	82.5-112.5	0.4585E-07	45	0- 30	0.1351E-06	90-120	0.1163E-06
60-75.00	0.1074E-01	-7.5 TO 22.5	0.2499E-07	82.5-112.5	0.2113E-07	60	0- 30	0.7846E-07	90-120	0.6566E-07
75-81.87	0.5229E-02	-7.5 TO 22.5	0.5654E-08	82.5-112.5	0.4693E-08	75	0- 30	0.2303E-07	90-120	0.1891E-07
0-15.00	0.2277E-02	-7.5 TO 37.5	0.1081E-06	82.5-127.5	0.1040E-06	0	0- 45	0.3242E-06	90-135	0.3242E-06
15-30.00	0.6675E-02	-7.5 TO 37.5	0.9919E-07	82.5-127.5	0.9105E-07	15	0- 45	0.3185E-06	90-135	0.2994E-06
30-45.00	0.1062E-01	-7.5 TO 37.5	0.7941E-07	82.5-127.5	0.6980E-07	30	0- 45	0.2740E-06	90-135	0.2438E-06
45-60.00	0.1384E-01	-7.5 TO 37.5	0.5294E-07	82.5-127.5	0.4503E-07	45	0- 45	0.2014E-06	90-135	0.1717E-06
60-75.00	0.1611E-01	-7.5 TO 37.5	0.2486E-07	82.5-127.5	0.2070E-07	60	0- 45	0.1168E-06	90-135	0.9665E-07
75-81.87	0.7843E-02	-7.5 TO 37.5	0.5620E-08	82.5-127.5	0.4589E-08	75	0- 45	0.3427E-07	90-135	0.2777E-07
0-15.00	0.3035E-02	-7.5 TO 52.5	0.1079E-06	82.5-142.5	0.1036E-06	0	0- 60	0.4323E-06	90-150	0.4323E-06
15-30.00	0.8900E-02	-7.5 TO 52.5	0.9879E-07	82.5-142.5	0.9028E-07	15	0- 60	0.4232E-06	90-150	0.3971E-06
30-45.00	0.1416E-01	-7.5 TO 52.5	0.7894E-07	82.5-142.5	0.6889E-07	30	0- 60	0.3630E-06	90-150	0.3218E-06
45-60.00	0.1845E-01	-7.5 TO 52.5	0.5255E-07	82.5-142.5	0.4429E-07	45	0- 60	0.2663E-06	90-150	0.2257E-06
60-75.00	0.2149E-01	-7.5 TO 52.5	0.2465E-07	82.5-142.5	0.2031E-07	60	0- 60	0.1542E-06	90-150	0.1267E-06
75-81.87	0.1046E-01	-7.5 TO 52.5	0.5568E-08	82.5-142.5	0.4494E-08	75	0- 60	0.4519E-07	90-150	0.3633E-07
0-15.00	0.3794E-02	-7.5 TO 67.5	0.1076E-06	82.5-157.5	0.1033E-06	0	0- 75	0.5404E-06	90-165	0.5404E-06
15-30.00	0.1112E-01	-7.5 TO 67.5	0.9827E-07	82.5-157.5	0.8960E-07	15	0- 75	0.5268E-06	90-165	0.4941E-06
30-45.00	0.1770E-01	-7.5 TO 67.5	0.7832E-07	82.5-157.5	0.6808E-07	30	0- 75	0.4502E-06	90-165	0.3987E-06
45-60.00	0.2306E-01	-7.5 TO 67.5	0.5204E-07	82.5-157.5	0.4363E-07	45	0- 75	0.3294E-06	90-165	0.2786E-06
60-75.00	0.2686E-01	-7.5 TO 67.5	0.2438E-07	82.5-157.5	0.1996E-07	60	0- 75	0.1904E-06	90-165	0.1560E-06
75-81.87	0.1307E-01	-7.5 TO 67.5	0.5501E-08	82.5-157.5	0.4410E-08	75	0- 75	0.5572E-07	90-165	0.4467E-07
0-15.00	0.4553E-02	-7.5 TO 82.5	0.1073E-06	82.5-172.5	0.1030E-06	0	0- 90	0.6485E-06	90-180	0.6485E-06
15-30.00	0.1335E-01	-7.5 TO 82.5	0.9764E-07	82.5-172.5	0.8904E-07	15	0- 90	0.6291E-06	90-180	0.5908E-06
30-45.00	0.2124E-01	-7.5 TO 82.5	0.7758E-07	82.5-172.5	0.6742E-07	30	0- 90	0.5354E-06	90-180	0.4752E-06
45-60.00	0.2768E-01	-7.5 TO 82.5	0.5143E-07	82.5-172.5	0.4308E-07	45	0- 90	0.3905E-06	90-180	0.3311E-06
60-75.00	0.3223E-01	-7.5 TO 82.5	0.2406E-07	82.5-172.5	0.1968E-07	60	0- 90	0.2253E-06	90-180	0.1850E-06
75-81.87	0.1569E-01	-7.5 TO 82.5	0.5421E-08	82.5-172.5	0.4340E-08	75	0- 90	0.6583E-07	90-180	0.5290E-07
0-15.00	0.5312E-02	-7.5 TO 97.5	0.1069E-06	82.5-187.5	0.1027E-06	0	0-105	0.7566E-06	90-195	0.7566E-06
15-30.00	0.1557E-01	-7.5 TO 97.5	0.9695E-07	82.5-187.5	0.8860E-07	15	0-105	0.7301E-06	90-195	0.6875E-06
30-45.00	0.2478E-01	-7.5 TO 97.5	0.7676E-07	82.5-187.5	0.6690E-07	30	0-105	0.6186E-06	90-195	0.5516E-06
45-60.00	0.3229E-01	-7.5 TO 97.5	0.5076E-07	82.5-187.5	0.4266E-07	45	0-105	0.4496E-06	90-195	0.3835E-06
60-75.00	0.3760E-01	-7.5 TO 97.5	0.2371E-07	82.5-187.5	0.1946E-07	60	0-105	0.2588E-06	90-195	0.2140E-06
75-81.87	0.1830E-01	-7.5 TO 97.5	0.5333E-08	82.5-187.5	0.4287E-08	75	0-105	0.7549E-07	90-195	0.6113E-07

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

r_2/r_1 = 0.01 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5714 $\cosh \mu_2$ = 342.8578 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 89.83

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7589E-03	-7.5 TO 7.5	0.1173E-06	82.5- 97.5	0.1123E-06	0	0- 15	0.1157E-06	90-105	0.1157E-06
15-30.00	0.2225E-02	-7.5 TO 7.5	0.1094E-06	82.5- 97.5	0.9935E-07	15	0- 15	0.1162E-06	90-105	0.1079E-06
30-45.00	0.3539E-02	-7.5 TO 7.5	0.8880E-07	82.5- 97.5	0.7692E-07	30	0- 15	0.1017E-06	90-105	0.8868E-07
45-60.00	0.4613E-02	-7.5 TO 7.5	0.5978E-07	82.5- 97.5	0.5002E-07	45	0- 15	0.7578E-07	90-105	0.6292E-07
60-75.00	0.5371E-02	-7.5 TO 7.5	0.2823E-07	82.5- 97.5	0.2311E-07	60	0- 15	0.4432E-07	90-105	0.3561E-07
75-81.87	0.2614E-02	-7.5 TO 7.5	0.6404E-08	82.5- 97.5	0.5145E-08	75	0- 15	0.1306E-07	90-105	0.1027E-07
0-15.00	0.1518E-02	-7.5 TO 22.5	0.1173E-06	82.5-112.5	0.1116E-06	0	0- 30	0.2315E-06	90-120	0.2315E-06
15-30.00	0.4450E-02	-7.5 TO 22.5	0.1092E-06	82.5-112.5	0.9807E-07	15	0- 30	0.2319E-06	90-120	0.2140E-06
30-45.00	0.7079E-02	-7.5 TO 22.5	0.8860E-07	82.5-112.5	0.7542E-07	30	0- 30	0.2027E-06	90-120	0.1745E-06
45-60.00	0.9225E-02	-7.5 TO 22.5	0.5961E-07	82.5-112.5	0.4879E-07	45	0- 30	0.1508E-06	90-120	0.1231E-06
60-75.00	0.1074E-01	-7.5 TO 22.5	0.2814E-07	82.5-112.5	0.2247E-07	60	0- 30	0.8812E-07	90-120	0.6935E-07
75-81.87	0.5229E-02	-7.5 TO 22.5	0.6382E-08	82.5-112.5	0.4990E-08	75	0- 30	0.2596E-07	90-120	0.1995E-07
0-15.00	0.2277E-02	-7.5 TO 37.5	0.1171E-06	82.5-127.5	0.1110E-06	0	0- 45	0.3472E-06	90-135	0.3472E-06
15-30.00	0.6675E-02	-7.5 TO 37.5	0.1088E-06	82.5-127.5	0.9686E-07	15	0- 45	0.3466E-06	90-135	0.3184E-06
30-45.00	0.1062E-01	-7.5 TO 37.5	0.8814E-07	82.5-127.5	0.7401E-07	30	0- 45	0.3021E-06	90-135	0.2579E-06
45-60.00	0.1384E-01	-7.5 TO 37.5	0.5923E-07	82.5-127.5	0.4764E-07	45	0- 45	0.2243E-06	90-135	0.1808E-06
60-75.00	0.1611E-01	-7.5 TO 37.5	0.2794E-07	82.5-127.5	0.2187E-07	60	0- 45	0.1309E-06	90-135	0.1015E-06
75-81.87	0.7843E-02	-7.5 TO 37.5	0.6332E-08	82.5-127.5	0.4847E-08	75	0- 45	0.3852E-07	90-135	0.2913E-07
0-15.00	0.3035E-02	-7.5 TO 52.5	0.1168E-06	82.5-142.5	0.1105E-06	0	0- 60	0.4630E-06	90-150	0.4630E-06
15-30.00	0.8900E-02	-7.5 TO 52.5	0.1082E-06	82.5-142.5	0.9576E-07	15	0- 60	0.4600E-06	90-150	0.4216E-06
30-45.00	0.1416E-01	-7.5 TO 52.5	0.8743E-07	82.5-142.5	0.7274E-07	30	0- 60	0.3993E-06	90-150	0.3392E-06
45-60.00	0.1845E-01	-7.5 TO 52.5	0.5865E-07	82.5-142.5	0.4661E-07	45	0- 60	0.2957E-06	90-150	0.2366E-06
60-75.00	0.2149E-01	-7.5 TO 52.5	0.2764E-07	82.5-142.5	0.2134E-07	60	0- 60	0.1722E-06	90-150	0.1324E-06
75-81.87	0.1046E-01	-7.5 TO 52.5	0.6257E-08	82.5-142.5	0.4719E-08	75	0- 60	0.5062E-07	90-150	0.3791E-07
0-15.00	0.3794E-02	-7.5 TO 67.5	0.1164E-06	82.5-157.5	0.1100E-06	0	0- 75	0.5787E-06	90-165	0.5787E-06
15-30.00	0.1112E-01	-7.5 TO 67.5	0.1075E-06	82.5-157.5	0.9480E-07	15	0- 75	0.5716E-06	90-165	0.5238E-06
30-45.00	0.1770E-01	-7.5 TO 67.5	0.8652E-07	82.5-157.5	0.7164E-07	30	0- 75	0.4940E-06	90-165	0.4192E-06
45-60.00	0.2306E-01	-7.5 TO 67.5	0.5790E-07	82.5-157.5	0.4573E-07	45	0- 75	0.3644E-06	90-165	0.2912E-06
60-75.00	0.2686E-01	-7.5 TO 67.5	0.2724E-07	82.5-157.5	0.2088E-07	60	0- 75	0.2118E-06	90-165	0.1624E-06
75-81.87	0.1307E-01	-7.5 TO 67.5	0.6159E-08	82.5-157.5	0.4609E-08	75	0- 75	0.6216E-07	90-165	0.4642E-07
0-15.00	0.4553E-02	-7.5 TO 82.5	0.1159E-06	82.5-172.5	0.1095E-06	0	0- 90	0.6944E-06	90-180	0.6944E-06
15-30.00	0.1335E-01	-7.5 TO 82.5	0.1066E-06	82.5-172.5	0.9401E-07	15	0- 90	0.6815E-06	90-180	0.6256E-06
30-45.00	0.2124E-01	-7.5 TO 82.5	0.8543E-07	82.5-172.5	0.7073E-07	30	0- 90	0.5857E-06	90-180	0.4985E-06
45-60.00	0.2768E-01	-7.5 TO 82.5	0.5701E-07	82.5-172.5	0.4500E-07	45	0- 90	0.4303E-06	90-180	0.3450E-06
60-75.00	0.3223E-01	-7.5 TO 82.5	0.2677E-07	82.5-172.5	0.2050E-07	60	0- 90	0.2494E-06	90-180	0.1920E-06
75-81.87	0.1569E-01	-7.5 TO 82.5	0.6044E-08	82.5-172.5	0.4519E-08	75	0- 90	0.7307E-07	90-180	0.5480E-07
0-15.00	0.5312E-02	-7.5 TO 97.5	0.1154E-06	82.5-187.5	0.1092E-06	0	0-105	0.8102E-06	90-195	0.8102E-06
15-30.00	0.1557E-01	-7.5 TO 97.5	0.1055E-06	82.5-187.5	0.9340E-07	15	0-105	0.7894E-06	90-195	0.7273E-06
30-45.00	0.2478E-01	-7.5 TO 97.5	0.8421E-07	82.5-187.5	0.7003E-07	30	0-105	0.6744E-06	90-195	0.5777E-06
45-60.00	0.3229E-01	-7.5 TO 97.5	0.5601E-07	82.5-187.5	0.4443E-07	45	0-105	0.4932E-06	90-195	0.3989E-06
60-75.00	0.3760E-01	-7.5 TO 97.5	0.2625E-07	82.5-187.5	0.2021E-07	60	0-105	0.2850E-06	90-195	0.2216E-06
75-81.87	0.1830E-01	-7.5 TO 97.5	0.5915E-08	82.5-187.5	0.4449E-08	75	0-105	0.8334E-07	90-195	0.6317E-07

r_2/r_1 = 0.01 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5714 $\cosh \mu_2$ = 342.8578 $\alpha_{2,max}$ = 98.13 $\theta_{2,min}$ = 81.70

0-15.00	0.7589E-03	-7.5 TO 7.5	0.1174E-06	82.5- 97.5	0.1123E-06	0	0- 15	0.1157E-06	90-105	0.1157E-06
15-30.00	0.2225E-02	-7.5 TO 7.5	0.1098E-06	82.5- 97.5	0.9935E-07	15	0- 15	0.1164E-06	90-105	0.1079E-06
30-45.00	0.3539E-02	-7.5 TO 7.5	0.8951E-07	82.5- 97.5	0.7693E-07	30	0- 15	0.1023E-06	90-105	0.8868E-07
45-60.00	0.4613E-02	-7.5 TO 7.5	0.6051E-07	82.5- 97.5	0.5002E-07	45	0- 15	0.7655E-07	90-105	0.6292E-07
60-75.00	0.5371E-02	-7.5 TO 7.5	0.2866E-07	82.5- 97.5	0.2311E-07	60	0- 15	0.4494E-07	90-105	0.3561E-07
75-81.87	0.2614E-02	-7.5 TO 7.5	0.6509E-08	82.5- 97.5	0.5146E-08	75	0- 15	0.1327E-07	90-105	0.1027E-07
0-15.00	0.1518E-02	-7.5 TO 22.5	0.1173E-06	82.5-112.5	0.1116E-06	0	0- 30	0.2315E-06	90-120	0.2315E-06
15-30.00	0.4450E-02	-7.5 TO 22.5	0.1096E-06	82.5-112.5	0.9807E-07	15	0- 30	0.2322E-06	90-120	0.2140E-06
30-45.00	0.7079E-02	-7.5 TO 22.5	0.8928E-07	82.5-112.5	0.7542E-07	30	0- 30	0.2037E-06	90-120	0.1745E-06
45-60.00	0.9225E-02	-7.5 TO 22.5	0.6032E-07	82.5-112.5	0.4879E-07	45	0- 30	0.1522E-06	90-120	0.1231E-06
60-75.00	0.1074E-01	-7.5 TO 22.5	0.2856E-07	82.5-112.5	0.2247E-07	60	0- 30	0.8928E-07	90-120	0.6935E-07
75-81.87	0.5229E-02	-7.5 TO 22.5	0.6484E-08	82.5-112.5	0.4990E-08	75	0- 30	0.2635E-07	90-120	0.1995E-07
0-15.00	0.2277E-02	-7.5 TO 37.5	0.1171E-06	82.5-127.5	0.1110E-06	0	0- 45	0.3472E-06	90-135	0.3472E-06
15-30.00	0.6675E-02	-7.5 TO 37.5	0.1092E-06	82.5-127.5	0.9686E-07	15	0- 45	0.3471E-06	90-135	0.3184E-06
30-45.00	0.1062E-01	-7.5 TO 37.5	0.8877E-07	82.5-127.5	0.7401E-07	30	0- 45	0.3035E-06	90-135	0.2579E-06
45-60.00	0.1384E-01	-7.5 TO 37.5	0.5989E-07	82.5-127.5	0.4764E-07	45	0- 45	0.2262E-06	90-135	0.1808E-06
60-75.00	0.1611E-01	-7.5 TO 37.5	0.2833E-07	82.5-127.5	0.2187E-07	60	0- 45	0.1325E-06	90-135	0.1015E-06
75-81.87	0.7843E-02	-7.5 TO 37.5	0.6426E-08	82.5-127.5	0.4847E-08	75	0- 45	0.3905E-07	90-135	0.2913E-07
0-15.00	0.3035E-02	-7.5 TO 52.5	0.1168E-06	82.5-142.5	0.1105E-06	0	0- 60	0.4630E-06	90-150	0.4630E-06
15-30.00	0.8900E-02	-7.5 TO 52.5	0.1086E-06	82.5-142.5	0.9576E-07	15	0- 60	0.4605E-06	90-150	0.4216E-06
30-45.00	0.1416E-01	-7.5 TO 52.5	0.8799E-07	82.5-142.5	0.7274E-07	30	0- 60	0.4010E-06	90-150	0.3392E-06
45-60.00	0.1845E-01	-7.5 TO 52.5	0.5923E-07	82.5-142.5	0.4662E-07	45	0- 60	0.2979E-06	90-150	0.2366E-06
60-75.00	0.2149E-01	-7.5 TO 52.5	0.2798E-07	82.5-142.5	0.2134E-07	60	0- 60	0.1740E-06	90-150	0.1324E-06
75-81.87	0.1046E-01	-7.5 TO 52.5	0.6340E-08	82.5-142.5	0.4719E-08	75	0- 60	0.5123E-07	90-150	0.3791E-07
0-15.00	0.3794E-02	-7.5 TO 67.5	0.1164E-06	82.5-157.5	0.1100E-06	0	0- 75	0.5787E-06	90-165	0.5787E-06
15-30.00	0.1112E-01	-7.5 TO 67.5	0.1077E-06	82.5-157.5	0.9480E-07	15	0- 75	0.5722E-06	90-165	0.5238E-06
30-45.00	0.1770E-01	-7.5 TO 67.5	0.8700E-07	82.5-157.5	0.7164E-07	30	0- 75	0.4957E-06	90-165	0.4192E-06
45-60.00	0.2306E-01	-7.5 TO 67.5	0.5840E-07	82.5-157.5	0.4573E-07	45	0- 75	0.3668E-06	90-165	0.2912E-06
60-75.00	0.2686E-01	-7.5 TO 67.5	0.2754E-07	82.5-157.5	0.2088E-07	60	0- 75	0.2137E-06	90-165	0.1624E-06
75-81.87	0.1307E-01	-7.5 TO 67.5	0.6231E-08	82.5-157.5	0.4609E-08	75	0- 75	0.6280E-07	90-165	0.4642E-07
0-15.00	0.4553E-02	-7.5 TO 82.5	0.1160E-06	82.5-172.5	0.1095E-06	0	0- 90	0.6944E-06	90-180	0.6944E-06
15-30.00	0.1335E-01	-7.5 TO 82.5	0.1068E-06	82.5-172.5	0.9401E-07	15	0- 90	0.6820E-06	90-180	0.6256E-06
30-45.00	0.2124E-01	-7.5 TO 82.5	0.8584E-07	82.5-172.5	0.7073E-07	30	0- 90	0.5874E-06	90-180	0.4985E-06
45-60.00	0.2768E-01	-7.5 TO 82.5	0.5743E-07	82.5-172.5	0.4500E-07	45	0- 90	0.4327E-06	90-180	0.3450E-06
60-75.00	0.3223E-01	-7.5 TO 82.5	0.2702E-07	82.5-172.5	0.2050E-07	60	0- 90	0.2513E-06	90-180	0.1920E-06
75-81.87	0.1569E-01	-7.5 TO 82.5	0.6105E-08	82.5-172.5	0.4519E-08	75	0- 90	0.7371E-07	90-180	0.5480E-07
0-15.00	0.5312E-02	-7.5 TO 97.5	0.1154E-06	82.5-187.5	0.1092E-06	0	0-105	0.8102E-06	90-195	0.8102E-06
15-30.00	0.1557E-01	-7.5 TO 97.5	0.1057E-06	82.5-187.5	0.9340E-07	15	0-105	0.7859E-06	90-195	0.7273E-06
30-45.00	0.2478E-01	-7.5 TO 97.5	0.8457E-07	82.5-187.5	0.7003E-07	30	0-105	0.6761E-06	90-195	0.5777E-06
45-60.00	0.3229E-01	-7.5 TO 97.5	0.5637E-07	82.5-187.5	0.4444E-07	45	0-105	0.4956E-06	90-195	0.3989E-06
60-75.00	0.3760E-01	-7.5 TO 97.5	0.2646E-07	82.5-187.5	0.2021E-07	60	0-105	0.2869E-06	90-195	0.2216E-06
75-81.87	0.1830E-01	-7.5 TO 97.5	0.5968E-08	82.5-187.5	0.4450E-08	75	0-105	0.8398E-07	90-195	0.6317E-07

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

r_2/r_1 = 0.01 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0500 $\cosh \mu_2$ = 495.0005 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 164.97

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3641E-03	-7.5 TO 7.5	0.3378E-08	82.5- 97.5	0.3366E-08	0	0- 15	0.3453E-C8	90-105	0.3453E-08
15-30.00	0.1067E-02	-7.5 TO 7.5	0.3058E-08	82.5- 97.5	0.3034E-08	15	0- 15	0.3296E-C8	90-105	0.3277E-08
30-45.00	0.1698E-02	-7.5 TO 7.5	0.2465E-08	82.5- 97.5	0.2437E-08	30	0- 15	0.2822E-C8	90-105	0.2791E-08
45-60.00	0.2213E-02	-7.5 TO 7.5	0.1703E-08	82.5- 97.5	0.1678E-08	45	0- 15	0.2120E-C8	90-105	0.2088E-08
60-75.00	0.2577E-02	-7.5 TO 7.5	0.8815E-09	82.5- 97.5	0.8665E-09	60	0- 15	0.1304E-C8	90-105	0.1280E-08
75-84.32	0.1708E-02	-7.5 TO 7.5	0.2348E-09	82.5- 97.5	0.2303E-09	75	0- 15	0.4796E-09	90-105	0.4698E-09
0-15.00	0.7281E-03	-7.5 TO 22.5	0.3377E-08	82.5-112.5	0.3365E-08	0	0- 30	0.6907E-C8	90-120	0.6907E-08
15-30.00	0.2135E-02	-7.5 TO 22.5	0.3057E-08	82.5-112.5	0.3031E-08	15	0- 30	0.6591E-C8	90-120	0.6551E-08
30-45.00	0.3396E-02	-7.5 TO 22.5	0.2465E-08	82.5-112.5	0.2433E-08	30	0- 30	0.5642E-C8	90-120	0.5575E-08
45-60.00	0.4426E-02	-7.5 TO 22.5	0.1703E-08	82.5-112.5	0.1675E-08	45	0- 30	0.4237E-C8	90-120	0.4168E-08
60-75.00	0.5154E-02	-7.5 TO 22.5	0.8813E-09	82.5-112.5	0.8646E-09	60	0- 30	0.2607E-C8	90-120	0.2555E-08
75-84.32	0.3415E-02	-7.5 TO 22.5	0.2347E-09	82.5-112.5	0.2297E-09	75	0- 30	0.9586E-C9	90-120	0.9373E-09
0-15.00	0.1092E-02	-7.5 TO 37.5	0.3377E-08	82.5-127.5	0.3363E-08	0	0- 45	0.1036E-07	90-135	0.1036E-07
15-30.00	0.3202E-02	-7.5 TO 37.5	0.3056E-08	82.5-127.5	0.3028E-08	15	0- 45	0.9884E-C8	90-135	0.9820E-08
30-45.00	0.5094E-02	-7.5 TO 37.5	0.2464E-08	82.5-127.5	0.2429E-08	30	0- 45	0.8458E-C8	90-135	0.8354E-08
45-60.00	0.6639E-02	-7.5 TO 37.5	0.1702E-08	82.5-127.5	0.1671E-08	45	0- 45	0.6351E-C8	90-135	0.6242E-08
60-75.00	0.7731E-02	-7.5 TO 37.5	0.8807E-09	82.5-127.5	0.8627E-09	60	0- 45	0.3907E-08	90-135	0.3826E-08
75-84.32	0.5123E-02	-7.5 TO 37.5	0.2345E-09	82.5-127.5	0.2291E-09	75	0- 45	0.1436E-C8	90-135	0.1403E-08
0-15.00	0.1456E-02	-7.5 TO 52.5	0.3376E-08	82.5-142.5	0.3362E-08	0	0- 60	0.1381E-07	90-150	0.1381E-07
15-30.00	0.4270E-02	-7.5 TO 52.5	0.3055E-08	82.5-142.5	0.3026E-08	15	0- 60	0.1317E-07	90-150	0.1309E-07
30-45.00	0.6792E-02	-7.5 TO 52.5	0.2462E-08	82.5-142.5	0.2426E-08	30	0- 60	0.1127E-07	90-150	0.1113E-07
45-60.00	0.8851E-02	-7.5 TO 52.5	0.1700E-08	82.5-142.5	0.1669E-08	45	0- 60	0.8460E-C8	90-150	0.8311E-08
60-75.00	0.1031E-01	-7.5 TO 52.5	0.8798E-09	82.5-142.5	0.8610E-09	60	0- 60	0.5203E-C8	90-150	0.5092E-08
75-84.32	0.6830E-02	-7.5 TO 52.5	0.2343E-09	82.5-142.5	0.2286E-09	75	0- 60	0.1913E-08	90-150	0.1867E-08
0-15.00	0.1820E-02	-7.5 TO 67.5	0.3375E-08	82.5-157.5	0.3361E-08	0	0- 75	0.1727E-07	90-165	0.1727E-07
15-30.00	0.5337E-02	-7.5 TO 67.5	0.3053E-08	82.5-157.5	0.3023E-08	15	0- 75	0.1646E-07	90-165	0.1635E-07
30-45.00	0.8490E-02	-7.5 TO 67.5	0.2460E-08	82.5-157.5	0.2423E-08	30	0- 75	0.1407E-07	90-165	0.1390E-07
45-60.00	0.1106E-01	-7.5 TO 67.5	0.1698E-08	82.5-157.5	0.1666E-08	45	0- 75	0.1056E-07	90-165	0.1038E-07
60-75.00	0.1288E-01	-7.5 TO 67.5	0.8787E-09	82.5-157.5	0.8595E-09	60	0- 75	0.6494E-C8	90-165	0.6356E-08
75-84.32	0.8538E-02	-7.5 TO 67.5	0.2339E-09	82.5-157.5	0.2282E-09	75	0- 75	0.2387E-C8	90-165	0.2330E-08
0-15.00	0.2184E-02	-7.5 TO 82.5	0.3374E-08	82.5-172.5	0.3360E-08	0	0- 90	0.2072E-07	90-180	0.2072E-07
15-30.00	0.6404E-02	-7.5 TO 82.5	0.3051E-08	82.5-172.5	0.3021E-08	15	0- 90	0.1974E-07	90-180	0.1961E-07
30-45.00	0.1019E-01	-7.5 TO 82.5	0.2457E-08	82.5-172.5	0.2421E-08	30	0- 90	0.1687E-07	90-180	0.1666E-07
45-60.00	0.1328E-01	-7.5 TO 82.5	0.1696E-08	82.5-172.5	0.1664E-08	45	0- 90	0.1266E-07	90-180	0.1244E-07
60-75.00	0.1546E-01	-7.5 TO 82.5	0.8773E-09	82.5-172.5	0.8583E-09	60	0- 90	0.7780E-C8	90-180	0.7618E-08
75-84.32	0.1025E-01	-7.5 TO 82.5	0.2335E-09	82.5-172.5	0.2278E-09	75	0- 90	0.2859E-C8	90-180	0.2792E-08
0-15.00	0.2548E-02	-7.5 TO 97.5	0.3373E-08	82.5-187.5	0.3359E-08	0	0-105	0.2417E-07	90-195	0.2417E-07
15-30.00	0.7472E-02	-7.5 TO 97.5	0.3049E-08	82.5-187.5	0.3020E-08	15	0-105	0.2302E-07	90-195	0.2288E-07
30-45.00	0.1189E-01	-7.5 TO 97.5	0.2454E-08	82.5-187.5	0.2419E-08	30	0-105	0.1966E-07	90-195	0.1943E-07
45-60.00	0.1549E-01	-7.5 TO 97.5	0.1693E-08	82.5-187.5	0.1662E-08	45	0-105	0.1475E-07	90-195	0.1450E-07
60-75.00	0.1804E-01	-7.5 TO 97.5	0.8757E-09	82.5-187.5	0.8573E-09	60	0-105	0.9060E-08	90-195	0.8880E-08
75-84.32	0.1195E-01	-7.5 TO 97.5	0.2330E-09	82.5-187.5	0.2275E-09	75	0-105	0.3329E-C8	90-195	0.3254E-08

r_2/r_1 = 0.01 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0500 $\cosh \mu_2$ = 495.0005 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 149.94

0-15.00	0.3641E-03	-7.5 TO 7.5	0.1265E-07	82.5- 97.5	0.1256E-07	0	0- 15	0.1288E-07	90-105	0.1288E-07
15-30.00	0.1067E-02	-7.5 TO 7.5	0.1150E-07	82.5- 97.5	0.1132E-07	15	0- 15	0.1236E-07	90-105	0.1222E-07
30-45.00	0.1698E-02	-7.5 TO 7.5	0.9311E-08	82.5- 97.5	0.9091E-08	30	0- 15	0.1064E-07	90-105	0.1040E-07
45-60.00	0.2213E-02	-7.5 TO 7.5	0.6454E-08	82.5- 97.5	0.6260E-08	45	0- 15	0.8020E-C8	90-105	0.7775E-08
60-75.00	0.2577E-02	-7.5 TO 7.5	0.3348E-08	82.5- 97.5	0.3233E-08	60	0- 15	0.4948E-C8	90-105	0.4767E-08
75-84.32	0.1708E-02	-7.5 TO 7.5	0.8937E-09	82.5- 97.5	0.8593E-09	75	0- 15	0.1824E-C8	90-105	0.1748E-08
0-15.00	0.7281E-03	-7.5 TO 22.5	0.1265E-07	82.5-112.5	0.1255E-07	0	0- 30	0.2577E-07	90-120	0.2577E-07
15-30.00	0.2135E-02	-7.5 TO 22.5	0.1150E-07	82.5-112.5	0.1130E-07	15	0- 30	0.2472E-07	90-120	0.2441E-07
30-45.00	0.3396E-02	-7.5 TO 22.5	0.9308E-08	82.5-112.5	0.9063E-08	30	0- 30	0.2126E-07	90-120	0.2075E-07
45-60.00	0.4426E-02	-7.5 TO 22.5	0.6451E-08	82.5-112.5	0.6235E-08	45	0- 30	0.1603E-07	90-120	0.1549E-07
60-75.00	0.5154E-02	-7.5 TO 22.5	0.3346E-08	82.5-112.5	0.3218E-08	60	0- 30	0.9886E-C8	90-120	0.9492E-08
75-84.32	0.3415E-02	-7.5 TO 22.5	0.8931E-09	82.5-112.5	0.8549E-09	75	0- 30	0.3643E-C8	90-120	0.3480E-08
0-15.00	0.1092E-02	-7.5 TO 37.5	0.1264E-07	82.5-127.5	0.1254E-07	0	0- 45	0.3865E-07	90-135	0.3865E-07
15-30.00	0.3202E-02	-7.5 TO 37.5	0.1149E-07	82.5-127.5	0.1128E-07	15	0- 45	0.3706E-07	90-135	0.3657E-07
30-45.00	0.5094E-02	-7.5 TO 37.5	0.9299E-08	82.5-127.5	0.9036E-08	30	0- 45	0.3185E-07	90-135	0.3105E-07
45-60.00	0.6639E-02	-7.5 TO 37.5	0.6443E-08	82.5-127.5	0.6212E-08	45	0- 45	0.2400E-07	90-135	0.2317E-07
60-75.00	0.7731E-02	-7.5 TO 37.5	0.3342E-08	82.5-127.5	0.3204E-08	60	0- 45	0.1480E-07	90-135	0.1418E-07
75-84.32	0.5123E-02	-7.5 TO 37.5	0.8918E-09	82.5-127.5	0.8506E-09	75	0- 45	0.5453E-C8	90-135	0.5197E-08
0-15.00	0.1456E-02	-7.5 TO 52.5	0.1264E-07	82.5-142.5	0.1253E-07	0	0- 60	0.5154E-07	90-150	0.5154E-07
15-30.00	0.4270E-02	-7.5 TO 52.5	0.1148E-07	82.5-142.5	0.1126E-07	15	0- 60	0.4937E-07	90-150	0.4870E-07
30-45.00	0.6792E-02	-7.5 TO 52.5	0.9286E-08	82.5-142.5	0.9011E-08	30	0- 60	0.4241E-07	90-150	0.4131E-07
45-60.00	0.8851E-02	-7.5 TO 52.5	0.6432E-08	82.5-142.5	0.6190E-08	45	0- 60	0.3194E-07	90-150	0.3080E-07
60-75.00	0.1031E-01	-7.5 TO 52.5	0.3335E-08	82.5-142.5	0.3191E-08	60	0- 60	0.1969E-07	90-150	0.1884E-07
75-84.32	0.6830E-02	-7.5 TO 52.5	0.8897E-09	82.5-142.5	0.8468E-09	75	0- 60	0.7251E-08	90-150	0.6901E-08
0-15.00	0.1820E-02	-7.5 TO 67.5	0.1263E-07	82.5-157.5	0.1252E-07	0	0- 75	0.6442E-07	90-165	0.6442E-07
15-30.00	0.5337E-02	-7.5 TO 67.5	0.1147E-07	82.5-157.5	0.1124E-07	15	0- 75	0.6166E-07	90-165	0.6082E-07
30-45.00	0.8490E-02	-7.5 TO 67.5	0.9269E-08	82.5-157.5	0.8989E-08	30	0- 75	0.5292E-07	90-165	0.5154E-07
45-60.00	0.1106E-01	-7.5 TO 67.5	0.6417E-08	82.5-157.5	0.6170E-08	45	0- 75	0.3983E-07	90-165	0.3840E-07
60-75.00	0.1288E-01	-7.5 TO 67.5	0.3326E-08	82.5-157.5	0.3180E-08	60	0- 75	0.2454E-07	90-165	0.2348E-07
75-84.32	0.8538E-02	-7.5 TO 67.5	0.8871E-09	82.5-157.5	0.8433E-09	75	0- 75	0.9033E-08	90-165	0.8596E-08
0-15.00	0.2184E-02	-7.5 TO 82.5	0.1262E-07	82.5-172.5	0.1251E-07	0	0- 90	0.7731E-07	90-180	0.7731E-07
15-30.00	0.6404E-02	-7.5 TO 82.5	0.1145E-07	82.5-172.5	0.1122E-07	15	0- 90	0.7391E-07	90-180	0.7293E-07
30-45.00	0.1019E-01	-7.5 TO 82.5	0.9249E-08	82.5-172.5	0.8970E-08	30	0- 90	0.6337E-07	90-180	0.6176E-07
45-60.00	0.1328E-01	-7.5 TO 82.5	0.6399E-08	82.5-172.5	0.6154E-08	45	0- 90	0.4766E-07	90-180	0.4598E-07
60-75.00	0.1546E-01	-7.5 TO 82.5	0.3316E-08	82.5-172.5	0.3170E-08	60	0- 90	0.2935E-07	90-180	0.2811E-07
75-84.32	0.1025E-01	-7.5 TO 82.5	0.8839E-09	82.5-172.5	0.8405E-09	75	0- 90	0.1080E-07	90-180	0.1029E-07
0-15.00	0.2548E-02	-7.5 TO 97.5	0.1261E-07	82.5-187.5	0.1251E-07	0	0-105	0.9019E-07	90-195	0.9019E-07
15-30.00	0.7472E-02	-7.5 TO 97.5	0.1143E-07	82.5-187.5	0.1121E-07	15	0-105	0.8613E-07	90-195	0.8504E-07
30-45.00	0.1189E-01	-7.5 TO 97.5	0.9226E-08	82.5-187.5	0.8956E-08	30	0-105	0.7377E-07	90-195	0.7159E-07
45-60.00	0.1549E-01	-7.5 TO 97.5	0.6379E-08	82.5-187.5	0.6142E-08	45	0-105	0.5543E-07	90-195	0.5357E-07
60-75.00	0.1804E-01	-7.5 TO 97.5	0.3304E-08	82.5-187.5	0.3163E-08	60	0-105	0.3411E-07	90-195	0.3273E-07
75-84.32	0.1195E-01	-7.5 TO 97.5	0.8804E-09	82.5-187.5	0.8383E-09	75	0-105	0.1255E-07	90-195	0.1198E-07

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0500$ $\cosh \mu_2 = 495.0005$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 134.92$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3641E-03	-7.5 TO 7.5	0.2539E-07	82.5- 97.5	0.2511E-07	0	0- 15	0.2576E-07	90-105	0.2576E-07
15-30.00	0.1067E-02	-7.5 TO 7.5	0.2320E-07	82.5- 97.5	0.2264E-07	15	0- 15	0.2487E-07	90-105	0.2441E-07
30-45.00	0.1698E-02	-7.5 TO 7.5	0.1887E-07	82.5- 97.5	0.1818E-07	30	0- 15	0.2150E-07	90-105	0.2076E-07
45-60.00	0.2213E-02	-7.5 TO 7.5	0.1313E-07	82.5- 97.5	0.1252E-07	45	0- 15	0.1628E-07	90-105	0.1551E-07
60-75.00	0.2577E-02	-7.5 TO 7.5	0.6826E-08	82.5- 97.5	0.6465E-08	60	0- 15	0.1008E-07	90-105	0.9506E-08
75-84.32	0.1708E-02	-7.5 TO 7.5	0.1826E-08	82.5- 97.5	0.1718E-08	75	0- 15	0.3721E-08	90-105	0.3486E-08
0-15.00	0.7281E-03	-7.5 TO 22.5	0.2538E-07	82.5-112.5	0.2507E-07	0	0- 30	0.5152E-07	90-120	0.5152E-07
15-30.00	0.2135E-02	-7.5 TO 22.5	0.2319E-07	82.5-112.5	0.2256E-07	15	0- 30	0.4971E-07	90-120	0.4872E-07
30-45.00	0.3396E-02	-7.5 TO 22.5	0.1886E-07	82.5-112.5	0.1809E-07	30	0- 30	0.4296E-07	90-120	0.4136E-07
45-60.00	0.4426E-02	-7.5 TO 22.5	0.1311E-07	82.5-112.5	0.1244E-07	45	0- 30	0.3252E-07	90-120	0.3085E-07
60-75.00	0.5154E-02	-7.5 TO 22.5	0.6820E-08	82.5-112.5	0.6418E-08	60	0- 30	0.2012E-07	90-120	0.1888E-07
75-84.32	0.3415E-02	-7.5 TO 22.5	0.1824E-08	82.5-112.5	0.1704E-08	75	0- 30	0.7429E-08	90-120	0.6919E-08
0-15.00	0.1092E-02	-7.5 TO 37.5	0.2537E-07	82.5-127.5	0.2504E-07	0	0- 45	0.7728E-07	90-135	0.7728E-07
15-30.00	0.3202E-02	-7.5 TO 37.5	0.2316E-07	82.5-127.5	0.2249E-07	15	0- 45	0.7449E-07	90-135	0.7294E-07
30-45.00	0.5094E-02	-7.5 TO 37.5	0.1883E-07	82.5-127.5	0.1800E-07	30	0- 45	0.6433E-07	90-135	0.6181E-07
45-60.00	0.6639E-02	-7.5 TO 37.5	0.1309E-07	82.5-127.5	0.1236E-07	45	0- 45	0.4867E-07	90-135	0.4603E-07
60-75.00	0.7731E-02	-7.5 TO 37.5	0.6806E-08	82.5-127.5	0.6373E-08	60	0- 45	0.3010E-07	90-135	0.2815E-07
75-84.32	0.5123E-02	-7.5 TO 37.5	0.1820E-08	82.5-127.5	0.1691E-08	75	0- 45	0.1111E-07	90-135	0.1031E-07
0-15.00	0.1456E-02	-7.5 TO 52.5	0.2535E-07	82.5-142.5	0.2501E-07	0	0- 60	0.1030E-06	90-150	0.1030E-06
15-30.00	0.4270E-02	-7.5 TO 52.5	0.2313E-07	82.5-142.5	0.2243E-07	15	0- 60	0.9920E-07	90-150	0.9709E-07
30-45.00	0.6792E-02	-7.5 TO 52.5	0.1879E-07	82.5-142.5	0.1792E-07	30	0- 60	0.8558E-07	90-150	0.8213E-07
45-60.00	0.8851E-02	-7.5 TO 52.5	0.1305E-07	82.5-142.5	0.1229E-07	45	0- 60	0.6469E-07	90-150	0.6109E-07
60-75.00	0.1031E-01	-7.5 TO 52.5	0.6784E-08	82.5-142.5	0.6332E-08	60	0- 60	0.3998E-07	90-150	0.3732E-07
75-84.32	0.6830E-02	-7.5 TO 52.5	0.1813E-08	82.5-142.5	0.1679E-08	75	0- 60	0.1475E-07	90-150	0.1365E-07
0-15.00	0.1820E-02	-7.5 TO 67.5	0.2533E-07	82.5-157.5	0.2498E-07	0	0- 75	0.1288E-06	90-165	0.1288E-06
15-30.00	0.5337E-02	-7.5 TO 67.5	0.2309E-07	82.5-157.5	0.2237E-07	15	0- 75	0.1238E-06	90-165	0.1212E-06
30-45.00	0.8490E-02	-7.5 TO 67.5	0.1874E-07	82.5-157.5	0.1785E-07	30	0- 75	0.1067E-06	90-165	0.1024E-06
45-60.00	0.1106E-01	-7.5 TO 67.5	0.1301E-07	82.5-157.5	0.1223E-07	45	0- 75	0.8055E-07	90-165	0.7606E-07
60-75.00	0.1288E-01	-7.5 TO 67.5	0.6757E-08	82.5-157.5	0.6296E-08	60	0- 75	0.4975E-07	90-165	0.4642E-07
75-84.32	0.8538E-02	-7.5 TO 67.5	0.1805E-08	82.5-157.5	0.1668E-08	75	0- 75	0.1834E-07	90-165	0.1697E-07
0-15.00	0.2184E-02	-7.5 TO 82.5	0.2531E-07	82.5-172.5	0.2496E-07	0	0- 90	0.1546E-06	90-180	0.1546E-06
15-30.00	0.6404E-02	-7.5 TO 82.5	0.2304E-07	82.5-172.5	0.2233E-07	15	0- 90	0.1483E-06	90-180	0.1452E-06
30-45.00	0.1019E-01	-7.5 TO 82.5	0.1867E-07	82.5-172.5	0.1780E-07	30	0- 90	0.1276E-06	90-180	0.1226E-06
45-60.00	0.1328E-01	-7.5 TO 82.5	0.1295E-07	82.5-172.5	0.1218E-07	45	0- 90	0.9625E-07	90-180	0.9098E-07
60-75.00	0.1546E-01	-7.5 TO 82.5	0.6723E-08	82.5-172.5	0.6267E-08	60	0- 90	0.5938E-07	90-180	0.5549E-07
75-84.32	0.1025E-01	-7.5 TO 82.5	0.1795E-08	82.5-172.5	0.1660E-08	75	0- 90	0.2188E-07	90-180	0.2028E-07
0-15.00	0.2548E-02	-7.5 TO 97.5	0.2528E-07	82.5-187.5	0.2494E-07	0	0-105	0.1803E-06	90-195	0.1803E-06
15-30.00	0.7472E-02	-7.5 TO 97.5	0.2298E-07	82.5-187.5	0.2229E-07	15	0-105	0.1728E-06	90-195	0.1693E-06
30-45.00	0.1189E-01	-7.5 TO 97.5	0.1860E-07	82.5-187.5	0.1775E-07	30	0-105	0.1484E-06	90-195	0.1428E-06
45-60.00	0.1549E-01	-7.5 TO 97.5	0.1289E-07	82.5-187.5	0.1214E-07	45	0-105	0.1118E-06	90-195	0.1059E-06
60-75.00	0.1804E-01	-7.5 TO 97.5	0.6686E-08	82.5-187.5	0.6243E-08	60	0-105	0.6889E-07	90-195	0.6456E-07
75-84.32	0.1195E-01	-7.5 TO 97.5	0.1784E-08	82.5-187.5	0.1653E-08	75	0-105	0.2537E-07	90-195	0.2359E-07

$r_2/r_1 = 0.01$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0500$ $\cosh \mu_2 = 495.0005$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 119.90$

0-15.00	0.3641E-03	-7.5 TO 7.5	0.3824E-07	82.5- 97.5	0.3765E-07	0	0- 15	0.3862E-07	90-105	0.3862E-07
15-30.00	0.1067E-02	-7.5 TO 7.5	0.3514E-07	82.5- 97.5	0.3394E-07	15	0- 15	0.3754E-07	90-105	0.3657E-07
30-45.00	0.1698E-02	-7.5 TO 7.5	0.2874E-07	82.5- 97.5	0.2725E-07	30	0- 15	0.3266E-07	90-105	0.3107E-07
45-60.00	0.2213E-02	-7.5 TO 7.5	0.2007E-07	82.5- 97.5	0.1877E-07	45	0- 15	0.2486E-07	90-105	0.2320E-07
60-75.00	0.2577E-02	-7.5 TO 7.5	0.1047E-07	82.5- 97.5	0.9693E-08	60	0- 15	0.1544E-07	90-105	0.1421E-07
75-84.32	0.1708E-02	-7.5 TO 7.5	0.2805E-08	82.5- 97.5	0.2576E-08	75	0- 15	0.5713E-08	90-105	0.5210E-08
0-15.00	0.7281E-03	-7.5 TO 22.5	0.3823E-07	82.5-112.5	0.3757E-07	0	0- 30	0.7725E-07	90-120	0.7725E-07
15-30.00	0.2135E-02	-7.5 TO 22.5	0.3512E-07	82.5-112.5	0.3378E-07	15	0- 30	0.7503E-07	90-120	0.7292E-07
30-45.00	0.3396E-02	-7.5 TO 22.5	0.2871E-07	82.5-112.5	0.2706E-07	30	0- 30	0.6523E-07	90-120	0.6179E-07
45-60.00	0.4426E-02	-7.5 TO 22.5	0.2005E-07	82.5-112.5	0.1860E-07	45	0- 30	0.4961E-07	90-120	0.4603E-07
60-75.00	0.5154E-02	-7.5 TO 22.5	0.1045E-07	82.5-112.5	0.9593E-08	60	0- 30	0.3080E-07	90-120	0.2815E-07
75-84.32	0.3415E-02	-7.5 TO 22.5	0.2801E-08	82.5-112.5	0.2547E-08	75	0- 30	0.1140E-07	90-120	0.1031E-07
0-15.00	0.1092E-02	-7.5 TO 37.5	0.3821E-07	82.5-127.5	0.3750E-07	0	0- 45	0.1159E-06	90-135	0.1159E-06
15-30.00	0.3202E-02	-7.5 TO 37.5	0.3507E-07	82.5-127.5	0.3363E-07	15	0- 45	0.1124E-06	90-135	0.1091E-06
30-45.00	0.5094E-02	-7.5 TO 37.5	0.2865E-07	82.5-127.5	0.2688E-07	30	0- 45	0.9761E-07	90-135	0.9219E-07
45-60.00	0.6639E-02	-7.5 TO 37.5	0.2000E-07	82.5-127.5	0.1844E-07	45	0- 45	0.7418E-07	90-135	0.6852E-07
60-75.00	0.7731E-02	-7.5 TO 37.5	0.1042E-07	82.5-127.5	0.9498E-08	60	0- 45	0.4602E-07	90-135	0.4183E-07
75-84.32	0.5123E-02	-7.5 TO 37.5	0.2792E-08	82.5-127.5	0.2519E-08	75	0- 45	0.1702E-07	90-135	0.1530E-07
0-15.00	0.1456E-02	-7.5 TO 52.5	0.3817E-07	82.5-142.5	0.3743E-07	0	0- 60	0.1545E-06	90-150	0.1545E-06
15-30.00	0.4270E-02	-7.5 TO 52.5	0.3500E-07	82.5-142.5	0.3350E-07	15	0- 60	0.1496E-06	90-150	0.1451E-06
30-45.00	0.6792E-02	-7.5 TO 52.5	0.2857E-07	82.5-142.5	0.2671E-07	30	0- 60	0.1297E-06	90-150	0.1223E-06
45-60.00	0.8851E-02	-7.5 TO 52.5	0.1992E-07	82.5-142.5	0.1829E-07	45	0- 60	0.9847E-07	90-150	0.9075E-07
60-75.00	0.1031E-01	-7.5 TO 52.5	0.1038E-07	82.5-142.5	0.9410E-08	60	0- 60	0.6103E-07	90-150	0.5532E-07
75-84.32	0.6830E-02	-7.5 TO 52.5	0.2779E-08	82.5-142.5	0.2494E-08	75	0- 60	0.2256E-07	90-150	0.2022E-07
0-15.00	0.1820E-02	-7.5 TO 67.5	0.3813E-07	82.5-157.5	0.3737E-07	0	0- 75	0.1931E-06	90-165	0.1931E-06
15-30.00	0.5337E-02	-7.5 TO 67.5	0.3491E-07	82.5-157.5	0.3338E-07	15	0- 75	0.1866E-06	90-165	0.1809E-06
30-45.00	0.8490E-02	-7.5 TO 67.5	0.2845E-07	82.5-157.5	0.2656E-07	30	0- 75	0.1615E-06	90-165	0.1523E-06
45-60.00	0.1106E-01	-7.5 TO 67.5	0.1982E-07	82.5-157.5	0.1816E-07	45	0- 75	0.1224E-06	90-165	0.1128E-06
60-75.00	0.1288E-01	-7.5 TO 67.5	0.1032E-07	82.5-157.5	0.9333E-08	60	0- 75	0.7580E-07	90-165	0.6867E-07
75-84.32	0.8538E-02	-7.5 TO 67.5	0.2761E-08	82.5-157.5	0.2471E-08	75	0- 75	0.2800E-07	90-165	0.2508E-07
0-15.00	0.2184E-02	-7.5 TO 82.5	0.3807E-07	82.5-172.5	0.3732E-07	0	0- 90	0.2317E-06	90-180	0.2317E-06
15-30.00	0.6404E-02	-7.5 TO 82.5	0.3480E-07	82.5-172.5	0.3328E-07	15	0- 90	0.2234E-06	90-180	0.2168E-06
30-45.00	0.1019E-01	-7.5 TO 82.5	0.2832E-07	82.5-172.5	0.2644E-07	30	0- 90	0.1930E-06	90-180	0.1821E-06
45-60.00	0.1328E-01	-7.5 TO 82.5	0.1970E-07	82.5-172.5	0.1805E-07	45	0- 90	0.1460E-06	90-180	0.1347E-06
60-75.00	0.1546E-01	-7.5 TO 82.5	0.1025E-07	82.5-172.5	0.9269E-08	60	0- 90	0.9030E-07	90-180	0.8194E-07
75-84.32	0.1025E-01	-7.5 TO 82.5	0.2740E-08	82.5-172.5	0.2452E-08	75	0- 90	0.3333E-07	90-180	0.2990E-07
0-15.00	0.2548E-02	-7.5 TO 97.5	0.3801E-07	82.5-187.5	0.3728E-07	0	0-105	0.2704E-06	90-195	0.2704E-06
15-30.00	0.7472E-02	-7.5 TO 97.5	0.3468E-07	82.5-187.5	0.3320E-07	15	0-105	0.2600E-06	90-195	0.2526E-06
30-45.00	0.1189E-01	-7.5 TO 97.5	0.2816E-07	82.5-187.5	0.2634E-07	30	0-105	0.2241E-06	90-195	0.2120E-06
45-60.00	0.1549E-01	-7.5 TO 97.5	0.1957E-07	82.5-187.5	0.1797E-07	45	0-105	0.1692E-06	90-195	0.1566E-06
60-75.00	0.1804E-01	-7.5 TO 97.5	0.1017E-07	82.5-187.5	0.9219E-08	60	0-105	0.1045E-06	90-195	0.9522E-07
75-84.32	0.1195E-01	-7.5 TO 97.5	0.2717E-08	82.5-187.5	0.2438E-08	75	0-105	0.3853E-07	90-195	0.3473E-07

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0500$ $\cosh \mu_2 = 495.0005$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 104.89$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3641E-03	-7.5 TO 7.5	0.4783E-07	82.5- 97.5	0.4681E-07	0	0- 15	0.4802E-07	90-105	0.4802E-07
15-30.00	0.1067E-02	-7.5 TO 7.5	0.4427E-07	82.5- 97.5	0.4220E-07	15	0- 15	0.4709E-07	90-105	0.4541E-07
30-45.00	0.1698E-02	-7.5 TO 7.5	0.3644E-07	82.5- 97.5	0.3388E-07	30	0- 15	0.4128E-07	90-105	0.3855E-07
45-60.00	0.2213E-02	-7.5 TO 7.5	0.2558E-07	82.5- 97.5	0.2334E-07	45	0- 15	0.3160E-07	90-105	0.2875E-07
60-75.00	0.2577E-02	-7.5 TO 7.5	0.1338E-07	82.5- 97.5	0.1205E-07	60	0- 15	0.1971E-07	90-105	0.1760E-07
75-84.32	0.1708E-02	-7.5 TO 7.5	0.3593E-08	82.5- 97.5	0.3204E-08	75	0- 15	0.7311E-08	90-105	0.6451E-08
0-15.00	0.7281E-03	-7.5 TO 22.5	0.4781E-07	82.5-112.5	0.4668E-07	0	0- 30	0.9604E-07	90-120	0.9604E-07
15-30.00	0.2135E-02	-7.5 TO 22.5	0.4423E-07	82.5-112.5	0.4193E-07	15	0- 30	0.9408E-07	90-120	0.9045E-07
30-45.00	0.3396E-02	-7.5 TO 22.5	0.3640E-07	82.5-112.5	0.3355E-07	30	0- 30	0.8240E-07	90-120	0.7648E-07
45-60.00	0.4426E-02	-7.5 TO 22.5	0.2554E-07	82.5-112.5	0.2305E-07	45	0- 30	0.6303E-07	90-120	0.5687E-07
60-75.00	0.5154E-02	-7.5 TO 22.5	0.1336E-07	82.5-112.5	0.1188E-07	60	0- 30	0.3929E-07	90-120	0.3473E-07
75-84.32	0.3415E-02	-7.5 TO 22.5	0.3586E-08	82.5-112.5	0.3154E-08	75	0- 30	0.1457E-07	90-120	0.1271E-07
0-15.00	0.1092E-02	-7.5 TO 37.5	0.4777E-07	82.5-127.5	0.4655E-07	0	0- 45	0.1441E-06	90-135	0.1441E-06
15-30.00	0.3202E-02	-7.5 TO 37.5	0.4415E-07	82.5-127.5	0.4167E-07	15	0- 45	0.1409E-06	90-135	0.1351E-06
30-45.00	0.5094E-02	-7.5 TO 37.5	0.3630E-07	82.5-127.5	0.3324E-07	30	0- 45	0.1232E-06	90-135	0.1139E-06
45-60.00	0.6639E-02	-7.5 TO 37.5	0.2545E-07	82.5-127.5	0.2277E-07	45	0- 45	0.9413E-07	90-135	0.8441E-07
60-75.00	0.7731E-02	-7.5 TO 37.5	0.1331E-07	82.5-127.5	0.1172E-07	60	0- 45	0.5862E-07	90-135	0.5144E-07
75-84.32	0.5123E-02	-7.5 TO 37.5	0.3571E-08	82.5-127.5	0.3107E-08	75	0- 45	0.2173E-07	90-135	0.1880E-07
0-15.00	0.1456E-02	-7.5 TO 52.5	0.4771E-07	82.5-142.5	0.4644E-07	0	0- 60	0.1921E-06	90-150	0.1921E-06
15-30.00	0.4270E-02	-7.5 TO 52.5	0.4403E-07	82.5-142.5	0.4144E-07	15	0- 60	0.1874E-06	90-150	0.1796E-06
30-45.00	0.6792E-02	-7.5 TO 52.5	0.3614E-07	82.5-142.5	0.3295E-07	30	0- 60	0.1635E-06	90-150	0.1508E-06
45-60.00	0.8851E-02	-7.5 TO 52.5	0.2532E-07	82.5-142.5	0.2251E-07	45	0- 60	0.1248E-06	90-150	0.1115E-06
60-75.00	0.1031E-01	-7.5 TO 52.5	0.1323E-07	82.5-142.5	0.1157E-07	60	0- 60	0.7761E-07	90-150	0.6780E-07
75-84.32	0.6830E-02	-7.5 TO 52.5	0.3547E-08	82.5-142.5	0.3063E-08	75	0- 60	0.2875E-07	90-150	0.2474E-07
0-15.00	0.1820E-02	-7.5 TO 67.5	0.4763E-07	82.5-157.5	0.4633E-07	0	0- 75	0.2401E-06	90-165	0.2401E-06
15-30.00	0.5337E-02	-7.5 TO 67.5	0.4387E-07	82.5-157.5	0.4123E-07	15	0- 75	0.2336E-06	90-165	0.2238E-06
30-45.00	0.8490E-02	-7.5 TO 67.5	0.3595E-07	82.5-157.5	0.3270E-07	30	0- 75	0.2033E-06	90-165	0.1874E-06
45-60.00	0.1106E-01	-7.5 TO 67.5	0.2515E-07	82.5-157.5	0.2229E-07	45	0- 75	0.1548E-06	90-165	0.1382E-06
60-75.00	0.1288E-01	-7.5 TO 67.5	0.1313E-07	82.5-157.5	0.1144E-07	60	0- 75	0.9617E-07	90-165	0.8392E-07
75-84.32	0.8538E-02	-7.5 TO 67.5	0.3517E-08	82.5-157.5	0.3025E-08	75	0- 75	0.3559E-07	90-165	0.3059E-07
0-15.00	0.2184E-02	-7.5 TO 82.5	0.4754E-07	82.5-172.5	0.4625E-07	0	0- 90	0.2881E-06	90-180	0.2881E-06
15-30.00	0.6404E-02	-7.5 TO 82.5	0.4368E-07	82.5-172.5	0.4106E-07	15	0- 90	0.2794E-06	90-180	0.2679E-06
30-45.00	0.1019E-01	-7.5 TO 82.5	0.3571E-07	82.5-172.5	0.3248E-07	30	0- 90	0.2425E-06	90-180	0.2239E-06
45-60.00	0.1328E-01	-7.5 TO 82.5	0.2494E-07	82.5-172.5	0.2211E-07	45	0- 90	0.1842E-06	90-180	0.1668E-06
60-75.00	0.1546E-01	-7.5 TO 82.5	0.1300E-07	82.5-172.5	0.1133E-07	60	0- 90	0.1143E-06	90-180	0.9991E-07
75-84.32	0.1025E-01	-7.5 TO 82.5	0.3482E-08	82.5-172.5	0.2993E-08	75	0- 90	0.4224E-07	90-180	0.3639E-07
0-15.00	0.2548E-02	-7.5 TO 97.5	0.4744E-07	82.5-187.5	0.4618E-07	0	0-105	0.3362E-06	90-195	0.3362E-06
15-30.00	0.7472E-02	-7.5 TO 97.5	0.4347E-07	82.5-187.5	0.4093E-07	15	0-105	0.3248E-06	90-195	0.3121E-06
30-45.00	0.1189E-01	-7.5 TO 97.5	0.3545E-07	82.5-187.5	0.3232E-07	30	0-105	0.2811E-06	90-195	0.2603E-06
45-60.00	0.1549E-01	-7.5 TO 97.5	0.2471E-07	82.5-187.5	0.2196E-07	45	0-105	0.2130E-06	90-195	0.1914E-06
60-75.00	0.1804E-01	-7.5 TO 97.5	0.1287E-07	82.5-187.5	0.1124E-07	60	0-105	0.1319E-06	90-195	0.1159E-06
75-84.32	0.1195E-01	-7.5 TO 97.5	0.3442E-08	82.5-187.5	0.2969E-08	75	0-105	0.4869E-07	90-195	0.4219E-07

$r_2/r_1 = 0.01$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0500$ $\cosh \mu_2 = 495.0005$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 89.88$

0-15.00	0.3641E-03	-7.5 TO 7.5	0.5165E-07	82.5- 97.5	0.5014E-07	0	0- 15	0.5144E-07	90-105	0.5144E-07
15-30.00	0.1067E-02	-7.5 TO 7.5	0.4827E-07	82.5- 97.5	0.4520E-07	15	0- 15	0.5105E-07	90-105	0.4857E-07
30-45.00	0.1698E-02	-7.5 TO 7.5	0.4008E-07	82.5- 97.5	0.3630E-07	30	0- 15	0.4520E-07	90-105	0.4117E-07
45-60.00	0.2213E-02	-7.5 TO 7.5	0.2831E-07	82.5- 97.5	0.2500E-07	45	0- 15	0.3488E-07	90-105	0.3067E-07
60-75.00	0.2577E-02	-7.5 TO 7.5	0.1487E-07	82.5- 97.5	0.1291E-07	60	0- 15	0.2187E-07	90-105	0.1876E-07
75-84.32	0.1708E-02	-7.5 TO 7.5	0.4000E-08	82.5- 97.5	0.3432E-08	75	0- 15	0.8135E-08	90-105	0.6873E-08
0-15.00	0.7281E-03	-7.5 TO 22.5	0.5162E-07	82.5-112.5	0.4995E-07	0	0- 30	0.1029E-06	90-120	0.1029E-06
15-30.00	0.2135E-02	-7.5 TO 22.5	0.4821E-07	82.5-112.5	0.4481E-07	15	0- 30	0.1019E-06	90-120	0.9658E-07
30-45.00	0.3396E-02	-7.5 TO 22.5	0.4001E-07	82.5-112.5	0.3582E-07	30	0- 30	0.9017E-07	90-120	0.8144E-07
45-60.00	0.4426E-02	-7.5 TO 22.5	0.2826E-07	82.5-112.5	0.2458E-07	45	0- 30	0.6950E-07	90-120	0.6042E-07
60-75.00	0.5154E-02	-7.5 TO 22.5	0.1484E-07	82.5-112.5	0.1266E-07	60	0- 30	0.4354E-07	90-120	0.3685E-07
75-84.32	0.3415E-02	-7.5 TO 22.5	0.3990E-08	82.5-112.5	0.3361E-08	75	0- 30	0.1619E-07	90-120	0.1347E-07
0-15.00	0.1092E-02	-7.5 TO 37.5	0.5156E-07	82.5-127.5	0.4976E-07	0	0- 45	0.1543E-06	90-135	0.1543E-06
15-30.00	0.3202E-02	-7.5 TO 37.5	0.4809E-07	82.5-127.5	0.4444E-07	15	0- 45	0.1525E-06	90-135	0.1441E-06
30-45.00	0.5094E-02	-7.5 TO 37.5	0.3986E-07	82.5-127.5	0.3536E-07	30	0- 45	0.1347E-06	90-135	0.1209E-06
45-60.00	0.6639E-02	-7.5 TO 37.5	0.2813E-07	82.5-127.5	0.2418E-07	45	0- 45	0.1036E-06	90-135	0.8937E-07
60-75.00	0.7731E-02	-7.5 TO 37.5	0.1476E-07	82.5-127.5	0.1243E-07	60	0- 45	0.6486E-07	90-135	0.5434E-07
75-84.32	0.5123E-02	-7.5 TO 37.5	0.3968E-08	82.5-127.5	0.3294E-08	75	0- 45	0.2411E-07	90-135	0.1984E-07
0-15.00	0.1456E-02	-7.5 TO 52.5	0.5148E-07	82.5-142.5	0.4959E-07	0	0- 60	0.2058E-06	90-150	0.2058E-06
15-30.00	0.4270E-02	-7.5 TO 52.5	0.4791E-07	82.5-142.5	0.4410E-07	15	0- 60	0.2027E-06	90-150	0.1912E-06
30-45.00	0.6792E-02	-7.5 TO 52.5	0.3964E-07	82.5-142.5	0.3495E-07	30	0- 60	0.1785E-06	90-150	0.1598E-06
45-60.00	0.8851E-02	-7.5 TO 52.5	0.2793E-07	82.5-142.5	0.2382E-07	45	0- 60	0.1371E-06	90-150	0.1177E-06
60-75.00	0.1031E-01	-7.5 TO 52.5	0.1464E-07	82.5-142.5	0.1222E-07	60	0- 60	0.8566E-07	90-150	0.7137E-07
75-84.32	0.6830E-02	-7.5 TO 52.5	0.3934E-08	82.5-142.5	0.3234E-08	75	0- 60	0.3181E-07	90-150	0.2601E-07
0-15.00	0.1820E-02	-7.5 TO 67.5	0.5136E-07	82.5-157.5	0.4945E-07	0	0- 75	0.2572E-06	90-165	0.2572E-06
15-30.00	0.5337E-02	-7.5 TO 67.5	0.4768E-07	82.5-157.5	0.4380E-07	15	0- 75	0.2524E-06	90-165	0.2381E-06
30-45.00	0.8490E-02	-7.5 TO 67.5	0.3935E-07	82.5-157.5	0.3459E-07	30	0- 75	0.2215E-06	90-165	0.1982E-06
45-60.00	0.1106E-01	-7.5 TO 67.5	0.2767E-07	82.5-157.5	0.2351E-07	45	0- 75	0.1697E-06	90-165	0.1455E-06
60-75.00	0.1288E-01	-7.5 TO 67.5	0.1449E-07	82.5-157.5	0.1204E-07	60	0- 75	0.1058E-06	90-165	0.8808E-07
75-84.32	0.8538E-02	-7.5 TO 67.5	0.3890E-08	82.5-157.5	0.3182E-08	75	0- 75	0.3926E-07	90-165	0.3206E-07
0-15.00	0.2184E-02	-7.5 TO 82.5	0.5122E-07	82.5-172.5	0.4932E-07	0	0- 90	0.3086E-06	90-180	0.3086E-06
15-30.00	0.6404E-02	-7.5 TO 82.5	0.4740E-07	82.5-172.5	0.4356E-07	15	0- 90	0.3016E-06	90-180	0.2848E-06
30-45.00	0.1019E-01	-7.5 TO 82.5	0.3900E-07	82.5-172.5	0.3429E-07	30	0- 90	0.2636E-06	90-180	0.2364E-06
45-60.00	0.1328E-01	-7.5 TO 82.5	0.2737E-07	82.5-172.5	0.2326E-07	45	0- 90	0.2013E-06	90-180	0.1732E-06
60-75.00	0.1546E-01	-7.5 TO 82.5	0.1431E-07	82.5-172.5	0.1189E-07	60	0- 90	0.1253E-06	90-180	0.1046E-06
75-84.32	0.1025E-01	-7.5 TO 82.5	0.3838E-08	82.5-172.5	0.3140E-08	75	0- 90	0.4642E-07	90-180	0.3804E-07
0-15.00	0.2548E-02	-7.5 TO 97.5	0.5107E-07	82.5-187.5	0.4923E-07	0	0-105	0.3601E-06	90-195	0.3601E-06
15-30.00	0.7472E-02	-7.5 TO 97.5	0.4708E-07	82.5-187.5	0.4337E-07	15	0-105	0.3502E-06	90-195	0.3315E-06
30-45.00	0.1189E-01	-7.5 TO 97.5	0.3862E-07	82.5-187.5	0.3406E-07	30	0-105	0.3048E-06	90-195	0.2746E-06
45-60.00	0.1549E-01	-7.5 TO 97.5	0.2703E-07	82.5-187.5	0.2306E-07	45	0-105	0.2320E-06	90-195	0.2008E-06
60-75.00	0.1804E-01	-7.5 TO 97.5	0.1411E-07	82.5-187.5	0.1177E-07	60	0-105	0.1441E-06	90-195	0.1212E-06
75-84.32	0.1195E-01	-7.5 TO 97.5	0.3780E-08	82.5-187.5	0.3107E-08	75	0-105	0.5329E-07	90-195	0.4402E-07

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

r_2/r_1 = 0.01 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0500 $\cosh \mu_2$ = 495.0005 $\alpha_{2,max}$ = 95.68 $\theta_{2,min}$ = 84.20

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3641E-03	-7.5 TO 7.5	0.5167E-07	82.5- 97.5	0.5014E-07	0	0- 15	0.5144E-07	90-105	0.5144E-07
15-30.00	0.1067E-02	-7.5 TO 7.5	0.4835E-07	82.5- 97.5	0.4520E-07	15	0- 15	0.5108E-07	90-105	0.4857E-07
30-45.00	0.1698E-02	-7.5 TO 7.5	0.4023E-07	82.5- 97.5	0.3630E-07	30	0- 15	0.4532E-07	90-105	0.4117E-07
45-60.00	0.2213E-02	-7.5 TO 7.5	0.2848E-07	82.5- 97.5	0.2500E-07	45	0- 15	0.3505E-07	90-105	0.3067E-07
60-75.00	0.2577E-02	-7.5 TO 7.5	0.1498E-07	82.5- 97.5	0.1291E-07	60	0- 15	0.2202E-07	90-105	0.1876E-07
75-84.32	0.1708E-02	-7.5 TO 7.5	0.4034E-08	82.5- 97.5	0.3433E-08	75	0- 15	0.8202E-08	90-105	0.6873E-08
0-15.00	0.7281E-03	-7.5 TO 22.5	0.5164E-07	82.5-112.5	0.4995E-07	0	0- 30	0.1029E-06	90-120	0.1029E-06
15-30.00	0.2135E-02	-7.5 TO 22.5	0.4829E-07	82.5-112.5	0.4481E-07	15	0- 30	0.1020E-06	90-120	0.9658E-07
30-45.00	0.3396E-02	-7.5 TO 22.5	0.4016E-07	82.5-112.5	0.3582E-07	30	0- 30	0.9038E-07	90-120	0.8144E-07
45-60.00	0.4426E-02	-7.5 TO 22.5	0.2842E-07	82.5-112.5	0.2458E-07	45	0- 30	0.6982E-07	90-120	0.6042E-07
60-75.00	0.5154E-02	-7.5 TO 22.5	0.1495E-07	82.5-112.5	0.1266E-07	60	0- 30	0.4383E-07	90-120	0.3685E-07
75-84.32	0.3415E-02	-7.5 TO 22.5	0.4023E-08	82.5-112.5	0.3361E-08	75	0- 30	0.1632E-07	90-120	0.1347E-07
0-15.00	0.1092E-02	-7.5 TO 37.5	0.5158E-07	82.5-127.5	0.4976E-07	0	0- 45	0.1543E-06	90-135	0.1543E-06
15-30.00	0.3202E-02	-7.5 TO 37.5	0.4817E-07	82.5-127.5	0.4444E-07	15	0- 45	0.1526E-06	90-135	0.1441E-06
30-45.00	0.5094E-02	-7.5 TO 37.5	0.4000E-07	82.5-127.5	0.3536E-07	30	0- 45	0.1349E-06	90-135	0.1209E-06
45-60.00	0.6639E-02	-7.5 TO 37.5	0.2828E-07	82.5-127.5	0.2418E-07	45	0- 45	0.1041E-06	90-135	0.8937E-07
60-75.00	0.7731E-02	-7.5 TO 37.5	0.1486E-07	82.5-127.5	0.1243E-07	60	0- 45	0.6524E-07	90-135	0.5434E-07
75-84.32	0.5123E-02	-7.5 TO 37.5	0.3990E-08	82.5-127.5	0.3295E-08	75	0- 45	0.2427E-07	90-135	0.1984E-07
0-15.00	0.1456E-02	-7.5 TO 52.5	0.5149E-07	82.5-142.5	0.4959E-07	0	0- 60	0.2058E-06	90-150	0.2058E-06
15-30.00	0.4270E-02	-7.5 TO 52.5	0.4798E-07	82.5-142.5	0.4410E-07	15	0- 60	0.2029E-06	90-150	0.1912E-06
30-45.00	0.6792E-02	-7.5 TO 52.5	0.3976E-07	82.5-142.5	0.3495E-07	30	0- 60	0.1788E-06	90-150	0.1598E-06
45-60.00	0.8851E-02	-7.5 TO 52.5	0.2806E-07	82.5-142.5	0.2382E-07	45	0- 60	0.1376E-06	90-150	0.1177E-06
60-75.00	0.1031E-01	-7.5 TO 52.5	0.1474E-07	82.5-142.5	0.1222E-07	60	0- 60	0.8610E-07	90-150	0.7137E-07
75-84.32	0.6830E-02	-7.5 TO 52.5	0.3961E-08	82.5-142.5	0.3234E-08	75	0- 60	0.3200E-07	90-150	0.2601E-07
0-15.00	0.1820E-02	-7.5 TO 67.5	0.5137E-07	82.5-157.5	0.4945E-07	0	0- 75	0.2572E-06	90-165	0.2572E-06
15-30.00	0.5337E-02	-7.5 TO 67.5	0.4773E-07	82.5-157.5	0.4380E-07	15	0- 75	0.2526E-06	90-165	0.2381E-06
30-45.00	0.8490E-02	-7.5 TO 67.5	0.3945E-07	82.5-157.5	0.3459E-07	30	0- 75	0.2218E-06	90-165	0.1982E-06
45-60.00	0.1106E-01	-7.5 TO 67.5	0.2779E-07	82.5-157.5	0.2351E-07	45	0- 75	0.1702E-06	90-165	0.1455E-06
60-75.00	0.1288E-01	-7.5 TO 67.5	0.1457E-07	82.5-157.5	0.1204E-07	60	0- 75	0.1063E-06	90-165	0.8808E-07
75-84.32	0.8538E-02	-7.5 TO 67.5	0.3913E-08	82.5-157.5	0.3183E-08	75	0- 75	0.3946E-07	90-165	0.3206E-07
0-15.00	0.2184E-02	-7.5 TO 82.5	0.5123E-07	82.5-172.5	0.4932E-07	0	0- 90	0.3086E-06	90-180	0.3086E-06
15-30.00	0.6404E-02	-7.5 TO 82.5	0.4744E-07	82.5-172.5	0.4356E-07	15	0- 90	0.3017E-06	90-180	0.2848E-06
30-45.00	0.1019E-01	-7.5 TO 82.5	0.3909E-07	82.5-172.5	0.3429E-07	30	0- 90	0.2640E-06	90-180	0.2364E-06
45-60.00	0.1328E-01	-7.5 TO 82.5	0.2747E-07	82.5-172.5	0.2326E-07	45	0- 90	0.2018E-06	90-180	0.1732E-06
60-75.00	0.1546E-01	-7.5 TO 82.5	0.1438E-07	82.5-172.5	0.1189E-07	60	0- 90	0.1258E-06	90-180	0.1046E-06
75-84.32	0.1025E-01	-7.5 TO 82.5	0.3858E-08	82.5-172.5	0.3140E-08	75	0- 90	0.4662E-07	90-180	0.3804E-07
0-15.00	0.2548E-02	-7.5 TO 97.5	0.5108E-07	82.5-187.5	0.4923E-07	0	0-105	0.3601E-06	90-195	0.3601E-06
15-30.00	0.7472E-02	-7.5 TO 97.5	0.4712E-07	82.5-187.5	0.4337E-07	15	0-105	0.3503E-06	90-195	0.3315E-06
30-45.00	0.1189E-01	-7.5 TO 97.5	0.3869E-07	82.5-187.5	0.3406E-07	30	0-105	0.3051E-06	90-195	0.2746E-06
45-60.00	0.1549E-01	-7.5 TO 97.5	0.2712E-07	82.5-187.5	0.2306E-07	45	0-105	0.2325E-06	90-195	0.2008E-06
60-75.00	0.1804E-01	-7.5 TO 97.5	0.1417E-07	82.5-187.5	0.1177E-07	60	0-105	0.1445E-06	90-195	0.1212E-06
75-84.32	0.1195E-01	-7.5 TO 97.5	0.3797E-08	82.5-187.5	0.3107E-08	75	0-105	0.5349E-07	90-195	0.4402E-07

r_2/r_1 = 0.01 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0250 $\cosh \mu_2$ = 997.5002 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 164.99

0-15.00	0.8965E-04	-7.5 TO 7.5	0.7591E-09	82.5- 97.5	0.7579E-09	0	0- 15	0.7740E-09	90-105	0.7740E-09
15-30.00	0.2629E-03	-7.5 TO 7.5	0.6983E-09	82.5- 97.5	0.6957E-09	15	0- 15	0.7437E-09	90-105	0.7417E-09
30-45.00	0.4181E-03	-7.5 TO 7.5	0.5827E-09	82.5- 97.5	0.5794E-09	30	0- 15	0.6530E-09	90-105	0.6496E-09
45-60.00	0.5449E-03	-7.5 TO 7.5	0.4260E-09	82.5- 97.5	0.4229E-09	45	0- 15	0.5132E-09	90-105	0.5095E-09
60-75.00	0.6346E-03	-7.5 TO 7.5	0.2452E-09	82.5- 97.5	0.2432E-09	60	0- 15	0.3404E-09	90-105	0.3374E-09
75-87.16	0.5507E-03	-7.5 TO 7.5	0.7521E-10	82.5- 97.5	0.7451E-10	75	0- 15	0.1523E-09	90-105	0.1507E-09
0-15.00	0.1793E-03	-7.5 TO 22.5	0.7591E-09	82.5-112.5	0.7577E-09	0	0- 30	0.1548E-08	90-120	0.1548E-08
15-30.00	0.5257E-03	-7.5 TO 22.5	0.6982E-09	82.5-112.5	0.6954E-09	15	0- 30	0.1487E-08	90-120	0.1483E-08
30-45.00	0.8363E-03	-7.5 TO 22.5	0.5826E-09	82.5-112.5	0.5790E-09	30	0- 30	0.1306E-08	90-120	0.1299E-08
45-60.00	0.1090E-02	-7.5 TO 22.5	0.4259E-09	82.5-112.5	0.4225E-09	45	0- 30	0.1026E-08	90-120	0.1018E-08
60-75.00	0.1269E-02	-7.5 TO 22.5	0.2452E-09	82.5-112.5	0.2429E-09	60	0- 30	0.6807E-09	90-120	0.6742E-09
75-87.16	0.1101E-02	-7.5 TO 22.5	0.7520E-10	82.5-112.5	0.7442E-10	75	0- 30	0.3045E-09	90-120	0.3012E-09
0-15.00	0.2690E-03	-7.5 TO 37.5	0.7591E-09	82.5-127.5	0.7576E-09	0	0- 45	0.2322E-08	90-135	0.2322E-08
15-30.00	0.7886E-03	-7.5 TO 37.5	0.6981E-09	82.5-127.5	0.6951E-09	15	0- 45	0.2231E-08	90-135	0.2224E-08
30-45.00	0.1254E-02	-7.5 TO 37.5	0.5825E-09	82.5-127.5	0.5786E-09	30	0- 45	0.1958E-08	90-135	0.1947E-08
45-60.00	0.1635E-02	-7.5 TO 37.5	0.4258E-09	82.5-127.5	0.4221E-09	45	0- 45	0.1539E-08	90-135	0.1526E-08
60-75.00	0.1904E-02	-7.5 TO 37.5	0.2451E-09	82.5-127.5	0.2427E-09	60	0- 45	0.1021E-08	90-135	0.1010E-08
75-87.16	0.1652E-02	-7.5 TO 37.5	0.7517E-10	82.5-127.5	0.7433E-10	75	0- 45	0.4565E-09	90-135	0.4512E-09
0-15.00	0.3586E-03	-7.5 TO 52.5	0.7590E-09	82.5-142.5	0.7575E-09	0	0- 60	0.3096E-08	90-150	0.3096E-08
15-30.00	0.1051E-02	-7.5 TO 52.5	0.6980E-09	82.5-142.5	0.6948E-09	15	0- 60	0.2974E-08	90-150	0.2964E-08
30-45.00	0.1673E-02	-7.5 TO 52.5	0.5823E-09	82.5-142.5	0.5782E-09	30	0- 60	0.2610E-08	90-150	0.2594E-08
45-60.00	0.2180E-02	-7.5 TO 52.5	0.4256E-09	82.5-142.5	0.4218E-09	45	0- 60	0.2051E-08	90-150	0.2033E-08
60-75.00	0.2538E-02	-7.5 TO 52.5	0.2450E-09	82.5-142.5	0.2424E-09	60	0- 60	0.1360E-08	90-150	0.1346E-08
75-87.16	0.2203E-02	-7.5 TO 52.5	0.7513E-10	82.5-142.5	0.7425E-10	75	0- 60	0.6082E-09	90-150	0.6011E-09
0-15.00	0.4483E-03	-7.5 TO 67.5	0.7589E-09	82.5-157.5	0.7573E-09	0	0- 75	0.3870E-08	90-165	0.3870E-08
15-30.00	0.1314E-02	-7.5 TO 67.5	0.6978E-09	82.5-157.5	0.6945E-09	15	0- 75	0.3716E-08	90-165	0.3704E-08
30-45.00	0.2091E-02	-7.5 TO 67.5	0.5820E-09	82.5-157.5	0.5779E-09	30	0- 75	0.3261E-08	90-165	0.3242E-08
45-60.00	0.2725E-02	-7.5 TO 67.5	0.4254E-09	82.5-157.5	0.4215E-09	45	0- 75	0.2562E-08	90-165	0.2540E-08
60-75.00	0.3173E-02	-7.5 TO 67.5	0.2448E-09	82.5-157.5	0.2422E-09	60	0- 75	0.1699E-08	90-165	0.1681E-08
75-87.16	0.2754E-02	-7.5 TO 67.5	0.7508E-10	82.5-157.5	0.7418E-10	75	0- 75	0.7597E-09	90-165	0.7508E-09
0-15.00	0.5379E-03	-7.5 TO 82.5	0.7588E-09	82.5-172.5	0.7572E-09	0	0- 90	0.4644E-08	90-180	0.4644E-08
15-30.00	0.1577E-02	-7.5 TO 82.5	0.6975E-09	82.5-172.5	0.6943E-09	15	0- 90	0.4458E-08	90-180	0.4445E-08
30-45.00	0.2509E-02	-7.5 TO 82.5	0.5817E-09	82.5-172.5	0.5776E-09	30	0- 90	0.3912E-08	90-180	0.3889E-08
45-60.00	0.3270E-02	-7.5 TO 82.5	0.4251E-09	82.5-172.5	0.4212E-09	45	0- 90	0.3072E-08	90-180	0.3047E-08
60-75.00	0.3807E-02	-7.5 TO 82.5	0.2446E-09	82.5-172.5	0.2421E-09	60	0- 90	0.2037E-08	90-180	0.2016E-08
75-87.16	0.3304E-02	-7.5 TO 82.5	0.7501E-10	82.5-172.5	0.7412E-10	75	0- 90	0.9108E-09	90-180	0.9003E-09
0-15.00	0.6276E-03	-7.5 TO 97.5	0.7587E-09	82.5-187.5	0.7572E-09	0	0-105	0.5418E-08	90-195	0.5418E-08
15-30.00	0.1840E-02	-7.5 TO 97.5	0.6973E-09	82.5-187.5	0.6942E-09	15	0-105	0.5200E-08	90-195	0.5185E-08
30-45.00	0.2927E-02	-7.5 TO 97.5	0.5814E-09	82.5-187.5	0.5774E-09	30	0-105	0.4561E-08	90-195	0.4536E-08
45-60.00	0.3814E-02	-7.5 TO 97.5	0.4248E-09	82.5-187.5	0.4210E-09	45	0-105	0.3582E-08	90-195	0.3553E-08
60-75.00	0.4442E-02	-7.5 TO 97.5	0.2444E-09	82.5-187.5	0.2419E-09	60	0-105	0.2374E-08	90-195	0.2351E-08
75-87.16	0.3855E-02	-7.5 TO 97.5	0.7494E-10	82.5-187.5	0.7408E-10	75	0-105	0.1062E-08	90-195	0.1050E-08

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0250$ $\cosh \mu_2 = 997.5002$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 149.97$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8965E-04	-7.5 TO 7.5	0.2838E-08	82.5- 97.5	0.2828E-08	0	0- 15	0.2888E-08	90-105	0.2888E-08
15-30.00	0.2629E-03	-7.5 TO 7.5	0.2616E-08	82.5- 97.5	0.2596E-08	15	0- 15	0.2782E-08	90-105	0.2767E-08
30-45.00	0.4181E-03	-7.5 TO 7.5	0.2187E-08	82.5- 97.5	0.2162E-08	30	0- 15	0.2449E-08	90-105	0.2423E-08
45-60.00	0.5449E-03	-7.5 TO 7.5	0.1602E-08	82.5- 97.5	0.1578E-08	45	0- 15	0.1928E-08	90-105	0.1900E-08
60-75.00	0.6346E-03	-7.5 TO 7.5	0.9232E-09	82.5- 97.5	0.9075E-09	60	0- 15	0.1281E-08	90-105	0.1258E-08
75-87.16	0.5507E-03	-7.5 TO 7.5	0.2834E-09	82.5- 97.5	0.2780E-09	75	0- 15	0.5735E-09	90-105	0.5618E-09
0-15.00	0.1793E-03	-7.5 TO 22.5	0.2837E-08	82.5-112.5	0.2827E-08	0	0- 30	0.5776E-08	90-120	0.5776E-08
15-30.00	0.5257E-03	-7.5 TO 22.5	0.2615E-08	82.5-112.5	0.2594E-08	15	0- 30	0.5564E-08	90-120	0.5530E-08
30-45.00	0.8363E-03	-7.5 TO 22.5	0.2187E-08	82.5-112.5	0.2159E-08	30	0- 30	0.4896E-08	90-120	0.4840E-08
45-60.00	0.1090E-02	-7.5 TO 22.5	0.1601E-08	82.5-112.5	0.1575E-08	45	0- 30	0.3855E-08	90-120	0.3793E-08
60-75.00	0.1269E-02	-7.5 TO 22.5	0.9229E-09	82.5-112.5	0.9054E-09	60	0- 30	0.2561E-08	90-120	0.2510E-08
75-87.16	0.1101E-02	-7.5 TO 22.5	0.2833E-09	82.5-112.5	0.2773E-09	75	0- 30	0.1146E-08	90-120	0.1121E-08
0-15.00	0.2690E-03	-7.5 TO 37.5	0.2837E-08	82.5-127.5	0.2826E-08	0	0- 45	0.8664E-08	90-135	0.8664E-08
15-30.00	0.7886E-03	-7.5 TO 37.5	0.2615E-08	82.5-127.5	0.2591E-08	15	0- 45	0.8343E-08	90-135	0.8290E-08
30-45.00	0.1254E-02	-7.5 TO 37.5	0.2186E-08	82.5-127.5	0.2156E-08	30	0- 45	0.7340E-08	90-135	0.7251E-08
45-60.00	0.1635E-02	-7.5 TO 37.5	0.1600E-08	82.5-127.5	0.1572E-08	45	0- 45	0.5778E-08	90-135	0.5680E-08
60-75.00	0.1904E-02	-7.5 TO 37.5	0.9223E-09	82.5-127.5	0.9035E-09	60	0- 45	0.3837E-08	90-135	0.3758E-08
75-87.16	0.1652E-02	-7.5 TO 37.5	0.2831E-09	82.5-127.5	0.2767E-09	75	0- 45	0.1718E-08	90-135	0.1678E-08
0-15.00	0.3586E-03	-7.5 TO 52.5	0.2837E-08	82.5-142.5	0.2825E-08	0	0- 60	0.1155E-07	90-150	0.1155E-07
15-30.00	0.1051E-02	-7.5 TO 52.5	0.2613E-08	82.5-142.5	0.2589E-08	15	0- 60	0.1112E-07	90-150	0.1105E-07
30-45.00	0.1673E-02	-7.5 TO 52.5	0.2184E-08	82.5-142.5	0.2153E-08	30	0- 60	0.9780E-08	90-150	0.9658E-08
45-60.00	0.2180E-02	-7.5 TO 52.5	0.1599E-08	82.5-142.5	0.1570E-08	45	0- 60	0.7697E-08	90-150	0.7563E-08
60-75.00	0.2538E-02	-7.5 TO 52.5	0.9214E-09	82.5-142.5	0.9017E-09	60	0- 60	0.5110E-08	90-150	0.5002E-08
75-87.16	0.2203E-02	-7.5 TO 52.5	0.2828E-09	82.5-142.5	0.2761E-09	75	0- 60	0.2287E-08	90-150	0.2233E-08
0-15.00	0.4483E-03	-7.5 TO 67.5	0.2836E-08	82.5-157.5	0.2824E-08	0	0- 75	0.1444E-07	90-165	0.1444E-07
15-30.00	0.1314E-02	-7.5 TO 67.5	0.2612E-08	82.5-157.5	0.2587E-08	15	0- 75	0.1389E-07	90-165	0.1380E-07
30-45.00	0.2091E-02	-7.5 TO 67.5	0.2182E-08	82.5-157.5	0.2150E-08	30	0- 75	0.1221E-07	90-165	0.1206E-07
45-60.00	0.2725E-02	-7.5 TO 67.5	0.1597E-08	82.5-157.5	0.1567E-08	45	0- 75	0.9609E-08	90-165	0.9442E-08
60-75.00	0.3173E-02	-7.5 TO 67.5	0.9202E-09	82.5-157.5	0.9001E-09	60	0- 75	0.6379E-08	90-165	0.6244E-08
75-87.16	0.2754E-02	-7.5 TO 67.5	0.2824E-09	82.5-157.5	0.2755E-09	75	0- 75	0.2855E-08	90-165	0.2786E-08
0-15.00	0.5379E-03	-7.5 TO 82.5	0.2835E-08	82.5-172.5	0.2823E-08	0	0- 90	0.1733E-07	90-180	0.1733E-07
15-30.00	0.1577E-02	-7.5 TO 82.5	0.2610E-08	82.5-172.5	0.2586E-08	15	0- 90	0.1666E-07	90-180	0.1656E-07
30-45.00	0.2509E-02	-7.5 TO 82.5	0.2180E-08	82.5-172.5	0.2148E-08	30	0- 90	0.1464E-07	90-180	0.1447E-07
45-60.00	0.3270E-02	-7.5 TO 82.5	0.1595E-08	82.5-172.5	0.1565E-08	45	0- 90	0.1152E-07	90-180	0.1132E-07
60-75.00	0.3807E-02	-7.5 TO 82.5	0.9187E-09	82.5-172.5	0.8988E-09	60	0- 90	0.7642E-08	90-180	0.7483E-08
75-87.16	0.3304E-02	-7.5 TO 82.5	0.2819E-09	82.5-172.5	0.2751E-09	75	0- 90	0.3419E-08	90-180	0.3339E-08
0-15.00	0.6276E-03	-7.5 TO 97.5	0.2834E-08	82.5-187.5	0.2823E-08	0	0-105	0.2022E-07	90-195	0.2022E-07
15-30.00	0.1840E-02	-7.5 TO 97.5	0.2608E-08	82.5-187.5	0.2584E-08	15	0-105	0.1943E-07	90-195	0.1931E-07
30-45.00	0.2927E-02	-7.5 TO 97.5	0.2177E-08	82.5-187.5	0.2147E-08	30	0-105	0.1707E-07	90-195	0.1687E-07
45-60.00	0.3814E-02	-7.5 TO 97.5	0.1593E-08	82.5-187.5	0.1564E-08	45	0-105	0.1342E-07	90-195	0.1320E-07
60-75.00	0.4442E-02	-7.5 TO 97.5	0.9171E-09	82.5-187.5	0.8978E-09	60	0-105	0.8900E-08	90-195	0.8723E-08
75-87.16	0.3855E-02	-7.5 TO 97.5	0.2813E-09	82.5-187.5	0.2747E-09	75	0-105	0.3981E-08	90-195	0.3892E-08

$r_2/r_1 = 0.01$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0250$ $\cosh \mu_2 = 997.5002$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 134.96$

0-15.00	0.8965E-04	-7.5 TO 7.5	0.5685E-08	82.5- 97.5	0.5656E-08	0	0- 15	0.5775E-08	90-105	0.5775E-08
15-30.00	0.2629E-03	-7.5 TO 7.5	0.5253E-08	82.5- 97.5	0.5192E-08	15	0- 15	0.5579E-08	90-105	0.5531E-08
30-45.00	0.4181E-03	-7.5 TO 7.5	0.4402E-08	82.5- 97.5	0.4323E-08	30	0- 15	0.4923E-08	90-105	0.4841E-08
45-60.00	0.5449E-03	-7.5 TO 7.5	0.3230E-08	82.5- 97.5	0.3156E-08	45	0- 15	0.3885E-08	90-105	0.3795E-08
60-75.00	0.6346E-03	-7.5 TO 7.5	0.1864E-08	82.5- 97.5	0.1815E-08	60	0- 15	0.2585E-08	90-105	0.2512E-08
75-87.16	0.5507E-03	-7.5 TO 7.5	0.5728E-09	82.5- 97.5	0.5560E-09	75	0- 15	0.1159E-08	90-105	0.1122E-08
0-15.00	0.1793E-03	-7.5 TO 22.5	0.5684E-08	82.5-112.5	0.5652E-08	0	0- 30	0.1155E-07	90-120	0.1155E-07
15-30.00	0.5257E-03	-7.5 TO 22.5	0.5252E-08	82.5-112.5	0.5184E-08	15	0- 30	0.1116E-07	90-120	0.1105E-07
30-45.00	0.8363E-03	-7.5 TO 22.5	0.4401E-08	82.5-112.5	0.4313E-08	30	0- 30	0.9841E-08	90-120	0.9664E-08
45-60.00	0.1090E-02	-7.5 TO 22.5	0.3229E-08	82.5-112.5	0.3146E-08	45	0- 30	0.7765E-08	90-120	0.7569E-08
60-75.00	0.1269E-02	-7.5 TO 22.5	0.1863E-08	82.5-112.5	0.1808E-08	60	0- 30	0.5166E-08	90-120	0.5008E-08
75-87.16	0.1101E-02	-7.5 TO 22.5	0.5725E-09	82.5-112.5	0.5538E-09	75	0- 30	0.2315E-08	90-120	0.2236E-08
0-15.00	0.2690E-03	-7.5 TO 37.5	0.5683E-08	82.5-127.5	0.5648E-08	0	0- 45	0.1733E-07	90-135	0.1733E-07
15-30.00	0.7886E-03	-7.5 TO 37.5	0.5249E-08	82.5-127.5	0.5176E-08	15	0- 45	0.1673E-07	90-135	0.1656E-07
30-45.00	0.1254E-02	-7.5 TO 37.5	0.4398E-08	82.5-127.5	0.4304E-08	30	0- 45	0.1475E-07	90-135	0.1447E-07
45-60.00	0.1635E-02	-7.5 TO 37.5	0.3226E-08	82.5-127.5	0.3137E-08	45	0- 45	0.1163E-07	90-135	0.1133E-07
60-75.00	0.1904E-02	-7.5 TO 37.5	0.1861E-08	82.5-127.5	0.1802E-08	60	0- 45	0.7738E-08	90-135	0.7489E-08
75-87.16	0.1652E-02	-7.5 TO 37.5	0.5719E-09	82.5-127.5	0.5518E-09	75	0- 45	0.3467E-08	90-135	0.3342E-08
0-15.00	0.3586E-03	-7.5 TO 52.5	0.5682E-08	82.5-142.5	0.5645E-08	0	0- 60	0.2310E-07	90-150	0.2310E-07
15-30.00	0.1051E-02	-7.5 TO 52.5	0.5246E-08	82.5-142.5	0.5169E-08	15	0- 60	0.2229E-07	90-150	0.2206E-07
30-45.00	0.1673E-02	-7.5 TO 52.5	0.4393E-08	82.5-142.5	0.4295E-08	30	0- 60	0.1964E-07	90-150	0.1926E-07
45-60.00	0.2180E-02	-7.5 TO 52.5	0.3221E-08	82.5-142.5	0.3129E-08	45	0- 60	0.1549E-07	90-150	0.1507E-07
60-75.00	0.2538E-02	-7.5 TO 52.5	0.1858E-08	82.5-142.5	0.1797E-08	60	0- 60	0.1030E-07	90-150	0.9957E-08
75-87.16	0.2203E-02	-7.5 TO 52.5	0.5709E-09	82.5-142.5	0.5499E-09	75	0- 60	0.4613E-08	90-150	0.4442E-08
0-15.00	0.4483E-03	-7.5 TO 67.5	0.5679E-08	82.5-157.5	0.5642E-08	0	0- 75	0.2888E-07	90-165	0.2888E-07
15-30.00	0.1314E-02	-7.5 TO 67.5	0.5241E-08	82.5-157.5	0.5163E-08	15	0- 75	0.2784E-07	90-165	0.2756E-07
30-45.00	0.2091E-02	-7.5 TO 67.5	0.4387E-08	82.5-157.5	0.4287E-08	30	0- 75	0.2452E-07	90-165	0.2405E-07
45-60.00	0.2725E-02	-7.5 TO 67.5	0.3216E-08	82.5-157.5	0.3121E-08	45	0- 75	0.1932E-07	90-165	0.1880E-07
60-75.00	0.3173E-02	-7.5 TO 67.5	0.1855E-08	82.5-157.5	0.1792E-08	60	0- 75	0.1284E-07	90-165	0.1242E-07
75-87.16	0.2754E-02	-7.5 TO 67.5	0.5696E-09	82.5-157.5	0.5482E-09	75	0- 75	0.5752E-08	90-165	0.5539E-08
0-15.00	0.5379E-03	-7.5 TO 82.5	0.5677E-08	82.5-172.5	0.5639E-08	0	0- 90	0.3465E-07	90-180	0.3465E-07
15-30.00	0.1577E-02	-7.5 TO 82.5	0.5235E-08	82.5-172.5	0.5158E-08	15	0- 90	0.3338E-07	90-180	0.3305E-07
30-45.00	0.2509E-02	-7.5 TO 82.5	0.4380E-08	82.5-172.5	0.4280E-08	30	0- 90	0.2938E-07	90-180	0.2882E-07
45-60.00	0.3270E-02	-7.5 TO 82.5	0.3209E-08	82.5-172.5	0.3115E-08	45	0- 90	0.2314E-07	90-180	0.2252E-07
60-75.00	0.3807E-02	-7.5 TO 82.5	0.1850E-08	82.5-172.5	0.1788E-08	60	0- 90	0.1537E-07	90-180	0.1487E-07
75-87.16	0.3304E-02	-7.5 TO 82.5	0.5680E-09	82.5-172.5	0.5468E-09	75	0- 90	0.6883E-08	90-180	0.6632E-08
0-15.00	0.6276E-03	-7.5 TO 97.5	0.5674E-08	82.5-187.5	0.5637E-08	0	0-105	0.4043E-07	90-195	0.4043E-07
15-30.00	0.1840E-02	-7.5 TO 97.5	0.5229E-08	82.5-187.5	0.5154E-08	15	0-105	0.3891E-07	90-195	0.3854E-07
30-45.00	0.2927E-02	-7.5 TO 97.5	0.4372E-08	82.5-187.5	0.4275E-08	30	0-105	0.3422E-07	90-195	0.3360E-07
45-60.00	0.3814E-02	-7.5 TO 97.5	0.3201E-08	82.5-187.5	0.3110E-08	45	0-105	0.2693E-07	90-195	0.2625E-07
60-75.00	0.4442E-02	-7.5 TO 97.5	0.1845E-08	82.5-187.5	0.1784E-08	60	0-105	0.1788E-07	90-195	0.1733E-07
75-87.16	0.3855E-02	-7.5 TO 97.5	0.5663E-09	82.5-187.5	0.5457E-09	75	0-105	0.8005E-08	90-195	0.7726E-08

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0250$ $\cosh \mu_2 = 997.5002$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 119.95$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8965E-04	-7.5 TO 7.5	0.8545E-08	82.5- 97.5	0.8481E-08	0	0- 15	0.8661E-08	90-105	0.8661E-08
15-30.00	0.2629E-03	-7.5 TO 7.5	0.7917E-08	82.5- 97.5	0.7786E-08	15	0- 15	0.8395E-08	90-105	0.8290E-08
30-45.00	0.4181E-03	-7.5 TO 7.5	0.6653E-08	82.5- 97.5	0.6484E-08	30	0- 15	0.7430E-08	90-105	0.7254E-08
45-60.00	0.5449E-03	-7.5 TO 7.5	0.4892E-08	82.5- 97.5	0.4733E-08	45	0- 15	0.5878E-08	90-105	0.5684E-08
60-75.00	0.6346E-03	-7.5 TO 7.5	0.2827E-08	82.5- 97.5	0.2721E-08	60	0- 15	0.3918E-08	90-105	0.3762E-08
75-87.16	0.6507E-03	-7.5 TO 7.5	0.8697E-09	82.5- 97.5	0.8338E-09	75	0- 15	0.1758E-08	90-105	0.1680E-08
0-15.00	0.1793E-03	-7.5 TO 22.5	0.8544E-08	82.5-112.5	0.8473E-08	0	0- 30	0.1732E-07	90-120	0.1732E-07
15-30.00	0.5257E-03	-7.5 TO 22.5	0.7915E-08	82.5-112.5	0.7769E-08	15	0- 30	0.1678E-07	90-120	0.1656E-07
30-45.00	0.8363E-03	-7.5 TO 22.5	0.6650E-08	82.5-112.5	0.6462E-08	30	0- 30	0.1485E-07	90-120	0.1447E-07
45-60.00	0.1090E-02	-7.5 TO 22.5	0.4889E-08	82.5-112.5	0.4712E-08	45	0- 30	0.1174E-07	90-120	0.1132E-07
60-75.00	0.1269E-02	-7.5 TO 22.5	0.2826E-08	82.5-112.5	0.2708E-08	60	0- 30	0.7827E-08	90-120	0.7488E-08
75-87.16	0.1101E-02	-7.5 TO 22.5	0.8691E-09	82.5-112.5	0.8292E-09	75	0- 30	0.3512E-08	90-120	0.3342E-08
0-15.00	0.2690E-03	-7.5 TO 37.5	0.8541E-08	82.5-127.5	0.8465E-08	0	0- 45	0.2598E-07	90-135	0.2598E-07
15-30.00	0.7886E-03	-7.5 TO 37.5	0.7910E-08	82.5-127.5	0.7752E-08	15	0- 45	0.2516E-07	90-135	0.2480E-07
30-45.00	0.1254E-02	-7.5 TO 37.5	0.6644E-08	82.5-127.5	0.6441E-08	30	0- 45	0.2225E-07	90-135	0.2165E-07
45-60.00	0.1635E-02	-7.5 TO 37.5	0.4883E-08	82.5-127.5	0.4692E-08	45	0- 45	0.1759E-07	90-135	0.1693E-07
60-75.00	0.1904E-02	-7.5 TO 37.5	0.2821E-08	82.5-127.5	0.2695E-08	60	0- 45	0.1172E-07	90-135	0.1118E-07
75-87.16	0.1652E-02	-7.5 TO 37.5	0.8677E-09	82.5-127.5	0.8248E-09	75	0- 45	0.5257E-08	90-135	0.4989E-08
0-15.00	0.3586E-03	-7.5 TO 52.5	0.8537E-08	82.5-142.5	0.8458E-08	0	0- 60	0.3464E-07	90-150	0.3464E-07
15-30.00	0.1051E-02	-7.5 TO 52.5	0.7902E-08	82.5-142.5	0.7738E-08	15	0- 60	0.3352E-07	90-150	0.3303E-07
30-45.00	0.1673E-02	-7.5 TO 52.5	0.6633E-08	82.5-142.5	0.6422E-08	30	0- 60	0.2962E-07	90-150	0.2880E-07
45-60.00	0.2180E-02	-7.5 TO 52.5	0.4873E-08	82.5-142.5	0.4674E-08	45	0- 60	0.2340E-07	90-150	0.2250E-07
60-75.00	0.2538E-02	-7.5 TO 52.5	0.2815E-08	82.5-142.5	0.2683E-08	60	0- 60	0.1558E-07	90-150	0.1485E-07
75-87.16	0.2203E-02	-7.5 TO 52.5	0.8655E-09	82.5-142.5	0.8208E-09	75	0- 60	0.6988E-08	90-150	0.6622E-08
0-15.00	0.4483E-03	-7.5 TO 67.5	0.8533E-08	82.5-157.5	0.8452E-08	0	0- 75	0.4331E-07	90-165	0.4331E-07
15-30.00	0.1314E-02	-7.5 TO 67.5	0.7892E-08	82.5-157.5	0.7724E-08	15	0- 75	0.4186E-07	90-165	0.4125E-07
30-45.00	0.2091E-02	-7.5 TO 67.5	0.6620E-08	82.5-157.5	0.6405E-08	30	0- 75	0.3695E-07	90-165	0.3593E-07
45-60.00	0.2725E-02	-7.5 TO 67.5	0.4861E-08	82.5-157.5	0.4659E-08	45	0- 75	0.2917E-07	90-165	0.2804E-07
60-75.00	0.3173E-02	-7.5 TO 67.5	0.2807E-08	82.5-157.5	0.2672E-08	60	0- 75	0.1942E-07	90-165	0.1850E-07
75-87.16	0.2754E-02	-7.5 TO 67.5	0.8628E-09	82.5-157.5	0.8172E-09	75	0- 75	0.8704E-08	90-165	0.8247E-08
0-15.00	0.5379E-03	-7.5 TO 82.5	0.8527E-08	82.5-172.5	0.8447E-08	0	0- 90	0.5197E-07	90-180	0.5197E-07
15-30.00	0.1577E-02	-7.5 TO 82.5	0.7880E-08	82.5-172.5	0.7713E-08	15	0- 90	0.5017E-07	90-180	0.4946E-07
30-45.00	0.2509E-02	-7.5 TO 82.5	0.6605E-08	82.5-172.5	0.6391E-08	30	0- 90	0.4425E-07	90-180	0.4305E-07
45-60.00	0.3270E-02	-7.5 TO 82.5	0.4847E-08	82.5-172.5	0.4645E-08	45	0- 90	0.3490E-07	90-180	0.3358E-07
60-75.00	0.3807E-02	-7.5 TO 82.5	0.2797E-08	82.5-172.5	0.2663E-08	60	0- 90	0.2321E-07	90-180	0.2215E-07
75-87.16	0.3304E-02	-7.5 TO 82.5	0.8595E-09	82.5-172.5	0.8142E-09	75	0- 90	0.1040E-07	90-180	0.9867E-08
0-15.00	0.6276E-03	-7.5 TO 97.5	0.8520E-08	82.5-187.5	0.8443E-08	0	0-105	0.6063E-07	90-195	0.6063E-07
15-30.00	0.1840E-02	-7.5 TO 97.5	0.7866E-08	82.5-187.5	0.7705E-08	15	0-105	0.5846E-07	90-195	0.5767E-07
30-45.00	0.2927E-02	-7.5 TO 97.5	0.6588E-08	82.5-187.5	0.6380E-08	30	0-105	0.5150E-07	90-195	0.5016E-07
45-60.00	0.3814E-02	-7.5 TO 97.5	0.4830E-08	82.5-187.5	0.4635E-08	45	0-105	0.4059E-07	90-195	0.3911E-07
60-75.00	0.4442E-02	-7.5 TO 97.5	0.2786E-08	82.5-187.5	0.2656E-08	60	0-105	0.2698E-07	90-195	0.2579E-07
75-87.16	0.3855E-02	-7.5 TO 97.5	0.8558E-09	82.5-187.5	0.8120E-09	75	0-105	0.1208E-07	90-195	0.1149E-07

$r_2/r_1 = 0.01$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0250$ $\cosh \mu_2 = 997.5002$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 104.94$

0-15.00	0.8965E-04	-7.5 TO 7.5	0.1066E-07	82.5- 97.5	0.1055E-07	0	0- 15	0.1077E-07	90-105	0.1077E-07
15-30.00	0.2629E-03	-7.5 TO 7.5	0.9909E-08	82.5- 97.5	0.9683E-08	15	0- 15	0.1048E-07	90-105	0.1031E-07
30-45.00	0.4181E-03	-7.5 TO 7.5	0.8355E-08	82.5- 97.5	0.8064E-08	30	0- 15	0.9315E-08	90-105	0.9012E-08
45-60.00	0.5449E-03	-7.5 TO 7.5	0.6159E-08	82.5- 97.5	0.5886E-08	45	0- 15	0.7392E-08	90-105	0.7058E-08
60-75.00	0.6346E-03	-7.5 TO 7.5	0.3567E-08	82.5- 97.5	0.3385E-08	60	0- 15	0.4939E-08	90-105	0.4670E-08
75-87.16	0.6507E-03	-7.5 TO 7.5	0.1098E-08	82.5- 97.5	0.1037E-08	75	0- 15	0.2220E-08	90-105	0.2085E-08
0-15.00	0.1793E-03	-7.5 TO 22.5	0.1066E-07	82.5-112.5	0.1053E-07	0	0- 30	0.2154E-07	90-120	0.2154E-07
15-30.00	0.5257E-03	-7.5 TO 22.5	0.9905E-08	82.5-112.5	0.9654E-08	15	0- 30	0.2096E-07	90-120	0.2057E-07
30-45.00	0.8363E-03	-7.5 TO 22.5	0.8350E-08	82.5-112.5	0.8026E-08	30	0- 30	0.1861E-07	90-120	0.1796E-07
45-60.00	0.1090E-02	-7.5 TO 22.5	0.6155E-08	82.5-112.5	0.5851E-08	45	0- 30	0.1476E-07	90-120	0.1404E-07
60-75.00	0.1269E-02	-7.5 TO 22.5	0.3564E-08	82.5-112.5	0.3361E-08	60	0- 30	0.9862E-08	90-120	0.9279E-08
75-87.16	0.1101E-02	-7.5 TO 22.5	0.1097E-08	82.5-112.5	0.1029E-08	75	0- 30	0.4431E-08	90-120	0.4140E-08
0-15.00	0.2690E-03	-7.5 TO 37.5	0.1065E-07	82.5-127.5	0.1052E-07	0	0- 45	0.3232E-07	90-135	0.3232E-07
15-30.00	0.7886E-03	-7.5 TO 37.5	0.9897E-08	82.5-127.5	0.9626E-08	15	0- 45	0.3141E-07	90-135	0.3080E-07
30-45.00	0.1254E-02	-7.5 TO 37.5	0.8339E-08	82.5-127.5	0.7990E-08	30	0- 45	0.2787E-07	90-135	0.2684E-07
45-60.00	0.1635E-02	-7.5 TO 37.5	0.6144E-08	82.5-127.5	0.5817E-08	45	0- 45	0.2210E-07	90-135	0.2096E-07
60-75.00	0.1904E-02	-7.5 TO 37.5	0.3556E-08	82.5-127.5	0.3339E-08	60	0- 45	0.1475E-07	90-135	0.1383E-07
75-87.16	0.1652E-02	-7.5 TO 37.5	0.1095E-08	82.5-127.5	0.1022E-08	75	0- 45	0.6627E-08	90-135	0.6168E-08
0-15.00	0.3586E-03	-7.5 TO 52.5	0.1064E-07	82.5-142.5	0.1051E-07	0	0- 60	0.4309E-07	90-150	0.4309E-07
15-30.00	0.1051E-02	-7.5 TO 52.5	0.9883E-08	82.5-142.5	0.9600E-08	15	0- 60	0.4183E-07	90-150	0.4100E-07
30-45.00	0.1673E-02	-7.5 TO 52.5	0.8321E-08	82.5-142.5	0.7957E-08	30	0- 60	0.3708E-07	90-150	0.3567E-07
45-60.00	0.2180E-02	-7.5 TO 52.5	0.6128E-08	82.5-142.5	0.5786E-08	45	0- 60	0.2938E-07	90-150	0.2782E-07
60-75.00	0.2538E-02	-7.5 TO 52.5	0.3546E-08	82.5-142.5	0.3318E-08	60	0- 60	0.1960E-07	90-150	0.1835E-07
75-87.16	0.2203E-02	-7.5 TO 52.5	0.1091E-08	82.5-142.5	0.1015E-08	75	0- 60	0.8800E-08	90-150	0.8174E-08
0-15.00	0.4483E-03	-7.5 TO 67.5	0.1064E-07	82.5-157.5	0.1050E-07	0	0- 75	0.5386E-07	90-165	0.5386E-07
15-30.00	0.1314E-02	-7.5 TO 67.5	0.9866E-08	82.5-157.5	0.9578E-08	15	0- 75	0.5222E-07	90-165	0.5117E-07
30-45.00	0.2091E-02	-7.5 TO 67.5	0.8299E-08	82.5-157.5	0.7928E-08	30	0- 75	0.4623E-07	90-165	0.4447E-07
45-60.00	0.2725E-02	-7.5 TO 67.5	0.6107E-08	82.5-157.5	0.5759E-08	45	0- 75	0.3659E-07	90-165	0.3464E-07
60-75.00	0.3173E-02	-7.5 TO 67.5	0.3532E-08	82.5-157.5	0.3300E-08	60	0- 75	0.2439E-07	90-165	0.2283E-07
75-87.16	0.2754E-02	-7.5 TO 67.5	0.1086E-08	82.5-157.5	0.1009E-08	75	0- 75	0.1095E-07	90-165	0.1016E-07
0-15.00	0.5379E-03	-7.5 TO 82.5	0.1063E-07	82.5-172.5	0.1049E-07	0	0- 90	0.6463E-07	90-180	0.6463E-07
15-30.00	0.1577E-02	-7.5 TO 82.5	0.9845E-08	82.5-172.5	0.9559E-08	15	0- 90	0.6257E-07	90-180	0.6134E-07
30-45.00	0.2509E-02	-7.5 TO 82.5	0.8272E-08	82.5-172.5	0.7904E-08	30	0- 90	0.5532E-07	90-180	0.5325E-07
45-60.00	0.3270E-02	-7.5 TO 82.5	0.6082E-08	82.5-172.5	0.5736E-08	45	0- 90	0.4372E-07	90-180	0.4145E-07
60-75.00	0.3807E-02	-7.5 TO 82.5	0.3515E-08	82.5-172.5	0.3285E-08	60	0- 90	0.2913E-07	90-180	0.2729E-07
75-87.16	0.3304E-02	-7.5 TO 82.5	0.1081E-08	82.5-172.5	0.1004E-08	75	0- 90	0.1306E-07	90-180	0.1215E-07
0-15.00	0.6276E-03	-7.5 TO 97.5	0.1062E-07	82.5-187.5	0.1048E-07	0	0-105	0.7540E-07	90-195	0.7540E-07
15-30.00	0.1840E-02	-7.5 TO 97.5	0.9822E-08	82.5-187.5	0.9544E-08	15	0-105	0.7287E-07	90-195	0.7151E-07
30-45.00	0.2927E-02	-7.5 TO 97.5	0.8243E-08	82.5-187.5	0.7885E-08	30	0-105	0.6433E-07	90-195	0.6203E-07
45-60.00	0.3814E-02	-7.5 TO 97.5	0.6054E-08	82.5-187.5	0.5718E-08	45	0-105	0.5078E-07	90-195	0.4825E-07
60-75.00	0.4442E-02	-7.5 TO 97.5	0.3496E-08	82.5-187.5	0.3273E-08	60	0-105	0.3380E-07	90-195	0.3175E-07
75-87.16	0.3855E-02	-7.5 TO 97.5	0.1075E-08	82.5-187.5	0.9998E-09	75	0-105	0.1515E-07	90-195	0.1413E-07

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 20.00$ $\cosh \mu_1 = 10.0250$ $\cosh \mu_2 = 997.5002$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 89.94$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8965E-04	-7.5 TO 7.5	0.1146E-07	82.5- 97.5	0.1130E-07	0	0- 15	0.1154E-07	90-105	0.1154E-07
15-30.00	0.2629E-03	-7.5 TO 7.5	0.1071E-07	82.5- 97.5	0.1038E-07	15	0- 15	0.1130E-07	90-105	0.1103E-07
30-45.00	0.4181E-03	-7.5 TO 7.5	0.9071E-08	82.5- 97.5	0.8641E-08	30	0- 15	0.1009E-07	90-105	0.9642E-08
45-60.00	0.5449E-03	-7.5 TO 7.5	0.6711E-08	82.5- 97.5	0.6307E-08	45	0- 15	0.8041E-08	90-105	0.7548E-08
60-75.00	0.6346E-03	-7.5 TO 7.5	0.3895E-08	82.5- 97.5	0.3627E-08	60	0- 15	0.5389E-08	90-105	0.4991E-08
75-87.16	0.5507E-03	-7.5 TO 7.5	0.1201E-08	82.5- 97.5	0.1111E-08	75	0- 15	0.2426E-08	90-105	0.2228E-08
0-15.00	0.1793E-03	-7.5 TO 22.5	0.1146E-07	82.5-112.5	0.1128E-07	0	0- 30	0.2308E-07	90-120	0.2308E-07
15-30.00	0.5257E-03	-7.5 TO 22.5	0.1070E-07	82.5-112.5	0.1033E-07	15	0- 30	0.2258E-07	90-120	0.2201E-07
30-45.00	0.8363E-03	-7.5 TO 22.5	0.9064E-08	82.5-112.5	0.8585E-08	30	0- 30	0.2015E-07	90-120	0.1918E-07
45-60.00	0.1090E-02	-7.5 TO 22.5	0.6704E-08	82.5-112.5	0.6255E-08	45	0- 30	0.1605E-07	90-120	0.1499E-07
60-75.00	0.1269E-02	-7.5 TO 22.5	0.3891E-08	82.5-112.5	0.3592E-08	60	0- 30	0.1075E-07	90-120	0.9895E-08
75-87.16	0.1101E-02	-7.5 TO 22.5	0.1199E-08	82.5-112.5	0.1100E-08	75	0- 30	0.4840E-08	90-120	0.4412E-08
0-15.00	0.2690E-03	-7.5 TO 37.5	0.1145E-07	82.5-127.5	0.1126E-07	0	0- 45	0.3463E-07	90-135	0.3463E-07
15-30.00	0.7886E-03	-7.5 TO 37.5	0.1069E-07	82.5-127.5	0.1029E-07	15	0- 45	0.3383E-07	90-135	0.3293E-07
30-45.00	0.1254E-02	-7.5 TO 37.5	0.9047E-08	82.5-127.5	0.8533E-08	30	0- 45	0.3016E-07	90-135	0.2864E-07
45-60.00	0.1635E-02	-7.5 TO 37.5	0.6689E-08	82.5-127.5	0.6206E-08	45	0- 45	0.2401E-07	90-135	0.2233E-07
60-75.00	0.1904E-02	-7.5 TO 37.5	0.3880E-08	82.5-127.5	0.3560E-08	60	0- 45	0.1607E-07	90-135	0.1472E-07
75-87.16	0.1652E-02	-7.5 TO 37.5	0.1196E-08	82.5-127.5	0.1089E-08	75	0- 45	0.7231E-08	90-135	0.6558E-08
0-15.00	0.3586E-03	-7.5 TO 52.5	0.1145E-07	82.5-142.5	0.1124E-07	0	0- 60	0.4617E-07	90-150	0.4617E-07
15-30.00	0.1051E-02	-7.5 TO 52.5	0.1067E-07	82.5-142.5	0.1025E-07	15	0- 60	0.4504E-07	90-150	0.4381E-07
30-45.00	0.1673E-02	-7.5 TO 52.5	0.9022E-08	82.5-142.5	0.8485E-08	30	0- 60	0.4012E-07	90-150	0.3802E-07
45-60.00	0.2180E-02	-7.5 TO 52.5	0.6665E-08	82.5-142.5	0.6161E-08	45	0- 60	0.3188E-07	90-150	0.2959E-07
60-75.00	0.2538E-02	-7.5 TO 52.5	0.3864E-08	82.5-142.5	0.3530E-08	60	0- 60	0.2133E-07	90-150	0.1948E-07
75-87.16	0.2203E-02	-7.5 TO 52.5	0.1190E-08	82.5-142.5	0.1079E-08	75	0- 60	0.9589E-08	90-150	0.8673E-08
0-15.00	0.4483E-03	-7.5 TO 67.5	0.1143E-07	82.5-157.5	0.1123E-07	0	0- 75	0.5771E-07	90-165	0.5771E-07
15-30.00	0.1314E-02	-7.5 TO 67.5	0.1065E-07	82.5-157.5	0.1022E-07	15	0- 75	0.5620E-07	90-165	0.5465E-07
30-45.00	0.2091E-02	-7.5 TO 67.5	0.8989E-08	82.5-157.5	0.8443E-08	30	0- 75	0.4995E-07	90-165	0.4735E-07
45-60.00	0.2725E-02	-7.5 TO 67.5	0.6634E-08	82.5-157.5	0.6122E-08	45	0- 75	0.3965E-07	90-165	0.3680E-07
60-75.00	0.3173E-02	-7.5 TO 67.5	0.3844E-08	82.5-157.5	0.3504E-08	60	0- 75	0.2650E-07	90-165	0.2420E-07
75-87.16	0.2754E-02	-7.5 TO 67.5	0.1184E-08	82.5-157.5	0.1071E-08	75	0- 75	0.1191E-07	90-165	0.1077E-07
0-15.00	0.5379E-03	-7.5 TO 82.5	0.1142E-07	82.5-172.5	0.1121E-07	0	0- 90	0.6925E-07	90-180	0.6925E-07
15-30.00	0.1577E-02	-7.5 TO 82.5	0.1062E-07	82.5-172.5	0.1019E-07	15	0- 90	0.6729E-07	90-180	0.6548E-07
30-45.00	0.2509E-02	-7.5 TO 82.5	0.8949E-08	82.5-172.5	0.8408E-08	30	0- 90	0.5970E-07	90-180	0.5666E-07
45-60.00	0.3270E-02	-7.5 TO 82.5	0.6597E-08	82.5-172.5	0.6090E-08	45	0- 90	0.4732E-07	90-180	0.4398E-07
60-75.00	0.3807E-02	-7.5 TO 82.5	0.3819E-08	82.5-172.5	0.3483E-08	60	0- 90	0.3158E-07	90-180	0.2890E-07
75-87.16	0.3304E-02	-7.5 TO 82.5	0.1175E-08	82.5-172.5	0.1064E-08	75	0- 90	0.1418E-07	90-180	0.1285E-07
0-15.00	0.6276E-03	-7.5 TO 97.5	0.1140E-07	82.5-187.5	0.1120E-07	0	0-105	0.8079E-07	90-195	0.8079E-07
15-30.00	0.1840E-02	-7.5 TO 97.5	0.1058E-07	82.5-187.5	0.1017E-07	15	0-105	0.7833E-07	90-195	0.7632E-07
30-45.00	0.2927E-02	-7.5 TO 97.5	0.8905E-08	82.5-187.5	0.8381E-08	30	0-105	0.6934E-07	90-195	0.6596E-07
45-60.00	0.3814E-02	-7.5 TO 97.5	0.6555E-08	82.5-187.5	0.6064E-08	45	0-105	0.5486E-07	90-195	0.5116E-07
60-75.00	0.4442E-02	-7.5 TO 97.5	0.3792E-08	82.5-187.5	0.3466E-08	60	0-105	0.3657E-07	90-195	0.3360E-07
75-87.16	0.3855E-02	-7.5 TO 97.5	0.1166E-08	82.5-187.5	0.1058E-08	75	0-105	0.1641E-07	90-195	0.1493E-07

$r_2/r_1 = 0.01$ $d/r_1 = 20.00$ $\cosh \mu_1 = 10.0250$ $\cosh \mu_2 = 997.5002$ $\alpha_{2,max} = 92.84$ $\theta_{2,min} = 87.11$

0-15.00	0.8965E-04	-7.5 TO 7.5	0.1146E-07	82.5- 97.5	0.1130E-07	0	0- 15	0.1154E-07	90-105	0.1154E-07
15-30.00	0.2629E-03	-7.5 TO 7.5	0.1071E-07	82.5- 97.5	0.1038E-07	15	0- 15	0.1130E-07	90-105	0.1103E-07
30-45.00	0.4181E-03	-7.5 TO 7.5	0.9080E-08	82.5- 97.5	0.8641E-08	30	0- 15	0.1010E-07	90-105	0.9642E-08
45-60.00	0.5449E-03	-7.5 TO 7.5	0.6721E-08	82.5- 97.5	0.6307E-08	45	0- 15	0.8051E-08	90-105	0.7548E-08
60-75.00	0.6346E-03	-7.5 TO 7.5	0.3903E-08	82.5- 97.5	0.3627E-08	60	0- 15	0.5398E-08	90-105	0.4991E-08
75-87.16	0.5507E-03	-7.5 TO 7.5	0.1203E-08	82.5- 97.5	0.1111E-08	75	0- 15	0.2431E-08	90-105	0.2228E-08
0-15.00	0.1793E-03	-7.5 TO 22.5	0.1146E-07	82.5-112.5	0.1128E-07	0	0- 30	0.2308E-07	90-120	0.2308E-07
15-30.00	0.5257E-03	-7.5 TO 22.5	0.1071E-07	82.5-112.5	0.1033E-07	15	0- 30	0.2259E-07	90-120	0.2201E-07
30-45.00	0.8363E-03	-7.5 TO 22.5	0.9072E-08	82.5-112.5	0.8585E-08	30	0- 30	0.2017E-07	90-120	0.1918E-07
45-60.00	0.1090E-02	-7.5 TO 22.5	0.6714E-08	82.5-112.5	0.6255E-08	45	0- 30	0.1607E-07	90-120	0.1499E-07
60-75.00	0.1269E-02	-7.5 TO 22.5	0.3898E-08	82.5-112.5	0.3592E-08	60	0- 30	0.1077E-07	90-120	0.9895E-08
75-87.16	0.1101E-02	-7.5 TO 22.5	0.1202E-08	82.5-112.5	0.1100E-08	75	0- 30	0.4850E-08	90-120	0.4412E-08
0-15.00	0.2690E-03	-7.5 TO 37.5	0.1146E-07	82.5-127.5	0.11126E-07	0	0- 45	0.3463E-07	90-135	0.3463E-07
15-30.00	0.7886E-03	-7.5 TO 37.5	0.1070E-07	82.5-127.5	0.1029E-07	15	0- 45	0.3384E-07	90-135	0.3293E-07
30-45.00	0.1254E-02	-7.5 TO 37.5	0.9055E-08	82.5-127.5	0.8533E-08	30	0- 45	0.3018E-07	90-135	0.2864E-07
45-60.00	0.1635E-02	-7.5 TO 37.5	0.6698E-08	82.5-127.5	0.6206E-08	45	0- 45	0.2403E-07	90-135	0.2233E-07
60-75.00	0.1904E-02	-7.5 TO 37.5	0.3887E-08	82.5-127.5	0.3560E-08	60	0- 45	0.1610E-07	90-135	0.1472E-07
75-87.16	0.1652E-02	-7.5 TO 37.5	0.1198E-08	82.5-127.5	0.1089E-08	75	0- 45	0.7244E-08	90-135	0.6558E-08
0-15.00	0.3586E-03	-7.5 TO 52.5	0.1145E-07	82.5-142.5	0.1124E-07	0	0- 60	0.4617E-07	90-150	0.4617E-07
15-30.00	0.1051E-02	-7.5 TO 52.5	0.1067E-07	82.5-142.5	0.1025E-07	15	0- 60	0.4505E-07	90-150	0.4381E-07
30-45.00	0.1673E-02	-7.5 TO 52.5	0.9028E-08	82.5-142.5	0.8485E-08	30	0- 60	0.4012E-07	90-150	0.3802E-07
45-60.00	0.2180E-02	-7.5 TO 52.5	0.6673E-08	82.5-142.5	0.6161E-08	45	0- 60	0.3191E-07	90-150	0.2959E-07
60-75.00	0.2538E-02	-7.5 TO 52.5	0.3870E-08	82.5-142.5	0.3530E-08	60	0- 60	0.2135E-07	90-150	0.1948E-07
75-87.16	0.2203E-02	-7.5 TO 52.5	0.1193E-08	82.5-142.5	0.1079E-08	75	0- 60	0.9604E-08	90-150	0.8673E-08
0-15.00	0.4483E-03	-7.5 TO 67.5	0.1143E-07	82.5-157.5	0.1123E-07	0	0- 75	0.5771E-07	90-165	0.5771E-07
15-30.00	0.1314E-02	-7.5 TO 67.5	0.1065E-07	82.5-157.5	0.1022E-07	15	0- 75	0.5620E-07	90-165	0.5465E-07
30-45.00	0.2091E-02	-7.5 TO 67.5	0.8994E-08	82.5-157.5	0.8443E-08	30	0- 75	0.4997E-07	90-165	0.4735E-07
45-60.00	0.2725E-02	-7.5 TO 67.5	0.6641E-08	82.5-157.5	0.6122E-08	45	0- 75	0.3968E-07	90-165	0.3680E-07
60-75.00	0.3173E-02	-7.5 TO 67.5	0.3849E-08	82.5-157.5	0.3504E-08	60	0- 75	0.2653E-07	90-165	0.2420E-07
75-87.16	0.2754E-02	-7.5 TO 67.5	0.1185E-08	82.5-157.5	0.1071E-08	75	0- 75	0.1192E-07	90-165	0.1077E-07
0-15.00	0.5379E-03	-7.5 TO 82.5	0.1142E-07	82.5-172.5	0.1121E-07	0	0- 90	0.6925E-07	90-180	0.6925E-07
15-30.00	0.1577E-02	-7.5 TO 82.5	0.1062E-07	82.5-172.5	0.1019E-07	15	0- 90	0.6730E-07	90-180	0.6548E-07
30-45.00	0.2509E-02	-7.5 TO 82.5	0.8954E-08	82.5-172.5	0.8408E-08	30	0- 90	0.5971E-07	90-180	0.5666E-07
45-60.00	0.3270E-02	-7.5 TO 82.5	0.6602E-08	82.5-172.5	0.6090E-08	45	0- 90	0.4734E-07	90-180	0.4398E-07
60-75.00	0.3807E-02	-7.5 TO 82.5	0.3824E-08	82.5-172.5	0.3483E-08	60	0- 90	0.3161E-07	90-180	0.2890E-07
75-87.16	0.3304E-02	-7.5 TO 82.5	0.1177E-08	82.5-172.5	0.1064E-08	75	0- 90	0.1420E-07	90-180	0.1285E-07
0-15.00	0.6276E-03	-7.5 TO 97.5	0.1140E-07	82.5-187.5	0.1120E-07	0	0-105	0.8079E-07	90-195	0.8079E-07
15-30.00	0.1840E-02	-7.5 TO 97.5	0.1058E-07	82.5-187.5	0.1017E-07	15	0-105	0.7833E-07	90-195	0.7632E-07
30-45.00	0.2927E-02	-7.5 TO 97.5	0.8909E-08	82.5-187.5	0.8381E-08	30	0-105	0.6936E-07	90-195	0.6596E-07
45-60.00	0.3814E-02	-7.5 TO 97.5	0.6560E-08	82.5-187.5	0.6064E-08	45	0-105	0.5489E-07	90-195	0.5116E-07
60-75.00	0.4442E-02	-7.5 TO 97.5	0.3795E-08	82.5-187.5	0.3466E-08	60	0-105	0.3660E-07	90-195	0.3360E-07
75-87.16	0.3855E-02	-7.5 TO 97.5	0.1168E-08	82.5-187.5	0.1058E-08	75	0-105	0.1643E-07	90-195	0.1493E-07

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0100$ $\cosh \mu_2 = 2499.0001$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.99$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1428E-04	-7.5 TO 7.5	0.1142E-09	82.5- 97.5	0.1142E-09	0	0- 15	0.1163E-09	90-105	0.1163E-09
15-30.00	0.4188E-04	-7.5 TO 7.5	0.1059E-09	82.5- 97.5	0.1058E-09	15	0- 15	0.1121E-09	90-105	0.1120E-09
30-45.00	0.6662E-04	-7.5 TO 7.5	0.8997E-10	82.5- 97.5	0.8978E-10	30	0- 15	0.9974E-10	90-105	0.9953E-10
45-60.00	0.8682E-04	-7.5 TO 7.5	0.6778E-10	82.5- 97.5	0.6759E-10	45	0- 15	0.8026E-10	90-105	0.8003E-10
60-75.00	0.1011E-03	-7.5 TO 7.5	0.4121E-10	82.5- 97.5	0.4108E-10	60	0- 15	0.5539E-10	90-105	0.5520E-10
75-88.87	0.1002E-03	-7.5 TO 7.5	0.1351E-10	82.5- 97.5	0.1346E-10	75	0- 15	0.2717E-10	90-105	0.2706E-10
0-15.00	0.2857E-04	-7.5 TO 22.5	0.1142E-09	82.5-112.5	0.1141E-09	0	0- 30	0.2326E-09	90-120	0.2326E-09
15-30.00	0.8376E-04	-7.5 TO 22.5	0.1059E-09	82.5-112.5	0.1058E-09	15	0- 30	0.2242E-09	90-120	0.2240E-09
30-45.00	0.1332E-03	-7.5 TO 22.5	0.8997E-10	82.5-112.5	0.8975E-10	30	0- 30	0.1995E-09	90-120	0.1990E-09
45-60.00	0.1736E-03	-7.5 TO 22.5	0.6778E-10	82.5-112.5	0.6756E-10	45	0- 30	0.1605E-09	90-120	0.1600E-09
60-75.00	0.2022E-03	-7.5 TO 22.5	0.4121E-10	82.5-112.5	0.4106E-10	60	0- 30	0.1108E-09	90-120	0.1103E-09
75-88.87	0.2004E-03	-7.5 TO 22.5	0.1351E-10	82.5-112.5	0.1345E-10	75	0- 30	0.5433E-10	90-120	0.5409E-10
0-15.00	0.4285E-04	-7.5 TO 37.5	0.1142E-09	82.5-127.5	0.1141E-09	0	0- 45	0.3489E-09	90-135	0.3489E-09
15-30.00	0.1256E-03	-7.5 TO 37.5	0.1059E-09	82.5-127.5	0.1057E-09	15	0- 45	0.3363E-09	90-135	0.3359E-09
30-45.00	0.1999E-03	-7.5 TO 37.5	0.8996E-10	82.5-127.5	0.8973E-10	30	0- 45	0.2992E-09	90-135	0.2985E-09
45-60.00	0.2605E-03	-7.5 TO 37.5	0.6777E-10	82.5-127.5	0.6754E-10	45	0- 45	0.2407E-09	90-135	0.2399E-09
60-75.00	0.3033E-03	-7.5 TO 37.5	0.4120E-10	82.5-127.5	0.4104E-10	60	0- 45	0.1661E-09	90-135	0.1655E-09
75-88.87	0.3006E-03	-7.5 TO 37.5	0.1351E-10	82.5-127.5	0.1345E-10	75	0- 45	0.8147E-10	90-135	0.8111E-10
0-15.00	0.5714E-04	-7.5 TO 52.5	0.1142E-09	82.5-142.5	0.1141E-09	0	0- 60	0.4652E-09	90-150	0.4652E-09
15-30.00	0.1675E-03	-7.5 TO 52.5	0.1059E-09	82.5-142.5	0.1057E-09	15	0- 60	0.4484E-09	90-150	0.4478E-09
30-45.00	0.2665E-03	-7.5 TO 52.5	0.8995E-10	82.5-142.5	0.8970E-10	30	0- 60	0.3988E-09	90-150	0.3979E-09
45-60.00	0.3473E-03	-7.5 TO 52.5	0.6776E-10	82.5-142.5	0.6752E-10	45	0- 60	0.3209E-09	90-150	0.3198E-09
60-75.00	0.4044E-03	-7.5 TO 52.5	0.4120E-10	82.5-142.5	0.4103E-10	60	0- 60	0.2214E-09	90-150	0.2205E-09
75-88.87	0.4008E-03	-7.5 TO 52.5	0.1351E-10	82.5-142.5	0.1344E-10	75	0- 60	0.1086E-09	90-150	0.1081E-09
0-15.00	0.7142E-04	-7.5 TO 67.5	0.1142E-09	82.5-157.5	0.1141E-09	0	0- 75	0.5815E-09	90-165	0.5815E-09
15-30.00	0.2094E-03	-7.5 TO 67.5	0.1059E-09	82.5-157.5	0.1057E-09	15	0- 75	0.5604E-09	90-165	0.5598E-09
30-45.00	0.3331E-03	-7.5 TO 67.5	0.8994E-10	82.5-157.5	0.8968E-10	30	0- 75	0.4984E-09	90-165	0.4973E-09
45-60.00	0.4341E-03	-7.5 TO 67.5	0.6774E-10	82.5-157.5	0.6750E-10	45	0- 75	0.4011E-09	90-165	0.3997E-09
60-75.00	0.5055E-03	-7.5 TO 67.5	0.4119E-10	82.5-157.5	0.4101E-10	60	0- 75	0.2767E-09	90-165	0.2756E-09
75-88.87	0.5010E-03	-7.5 TO 67.5	0.1350E-10	82.5-157.5	0.1344E-10	75	0- 75	0.1357E-09	90-165	0.1351E-09
0-15.00	0.8571E-04	-7.5 TO 82.5	0.1142E-09	82.5-172.5	0.1141E-09	0	0- 90	0.6978E-09	90-180	0.6978E-09
15-30.00	0.2513E-03	-7.5 TO 82.5	0.1059E-09	82.5-172.5	0.1057E-09	15	0- 90	0.6725E-09	90-180	0.6717E-09
30-45.00	0.3997E-03	-7.5 TO 82.5	0.8992E-10	82.5-172.5	0.8967E-10	30	0- 90	0.5980E-09	90-180	0.5966E-09
45-60.00	0.5209E-03	-7.5 TO 82.5	0.6772E-10	82.5-172.5	0.6748E-10	45	0- 90	0.4811E-09	90-180	0.4796E-09
60-75.00	0.6066E-03	-7.5 TO 82.5	0.4117E-10	82.5-172.5	0.4100E-10	60	0- 90	0.3320E-09	90-180	0.3306E-09
75-88.87	0.6012E-03	-7.5 TO 82.5	0.1350E-10	82.5-172.5	0.1343E-10	75	0- 90	0.1628E-09	90-180	0.1621E-09
0-15.00	0.9999E-04	-7.5 TO 97.5	0.1142E-09	82.5-187.5	0.1141E-09	0	0-105	0.8141E-09	90-195	0.8141E-09
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1059E-09	82.5-187.5	0.1057E-09	15	0-105	0.7845E-09	90-195	0.7836E-09
30-45.00	0.4663E-03	-7.5 TO 97.5	0.8990E-10	82.5-187.5	0.8966E-10	30	0-105	0.6976E-09	90-195	0.6960E-09
45-60.00	0.6078E-03	-7.5 TO 97.5	0.6770E-10	82.5-187.5	0.6747E-10	45	0-105	0.5612E-09	90-195	0.5594E-09
60-75.00	0.7077E-03	-7.5 TO 97.5	0.4116E-10	82.5-187.5	0.4099E-10	60	0-105	0.3872E-09	90-195	0.3857E-09
75-88.87	0.7014E-03	-7.5 TO 97.5	0.1349E-10	82.5-187.5	0.1343E-10	75	0-105	0.1899E-09	90-195	0.1890E-09

$r_2/r_1 = 0.01$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0100$ $\cosh \mu_2 = 2499.0001$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 149.99$

0-15.00	0.1428E-04	-7.5 TO 7.5	0.4265E-09	82.5- 97.5	0.4260E-09	0	0- 15	0.4340E-09	90-105	0.4340E-09
15-30.00	0.4188E-04	-7.5 TO 7.5	0.3959E-09	82.5- 97.5	0.3947E-09	15	0- 15	0.4188E-09	90-105	0.4179E-09
30-45.00	0.6662E-04	-7.5 TO 7.5	0.3365E-09	82.5- 97.5	0.3350E-09	30	0- 15	0.3729E-09	90-105	0.3714E-09
45-60.00	0.8682E-04	-7.5 TO 7.5	0.2537E-09	82.5- 97.5	0.2522E-09	45	0- 15	0.3003E-09	90-105	0.2986E-09
60-75.00	0.1011E-03	-7.5 TO 7.5	0.1543E-09	82.5- 97.5	0.1533E-09	60	0- 15	0.2074E-09	90-105	0.2059E-09
75-88.87	0.1002E-03	-7.5 TO 7.5	0.5062E-10	82.5- 97.5	0.5024E-10	75	0- 15	0.1018E-09	90-105	0.1009E-09
0-15.00	0.2857E-04	-7.5 TO 22.5	0.4265E-09	82.5-112.5	0.4259E-09	0	0- 30	0.8680E-09	90-120	0.8680E-09
15-30.00	0.8376E-04	-7.5 TO 22.5	0.3959E-09	82.5-112.5	0.3946E-09	15	0- 30	0.8376E-09	90-120	0.8356E-09
30-45.00	0.1332E-03	-7.5 TO 22.5	0.3365E-09	82.5-112.5	0.3348E-09	30	0- 30	0.7457E-09	90-120	0.7424E-09
45-60.00	0.1736E-03	-7.5 TO 22.5	0.2537E-09	82.5-112.5	0.2520E-09	45	0- 30	0.6006E-09	90-120	0.5967E-09
60-75.00	0.2022E-03	-7.5 TO 22.5	0.1543E-09	82.5-112.5	0.1532E-09	60	0- 30	0.4147E-09	90-120	0.4115E-09
75-88.87	0.2004E-03	-7.5 TO 22.5	0.5061E-10	82.5-112.5	0.5019E-10	75	0- 30	0.2035E-09	90-120	0.2017E-09
0-15.00	0.4285E-04	-7.5 TO 37.5	0.4265E-09	82.5-127.5	0.4259E-09	0	0- 45	0.1302E-08	90-135	0.1302E-08
15-30.00	0.1256E-03	-7.5 TO 37.5	0.3958E-09	82.5-127.5	0.3944E-09	15	0- 45	0.1256E-08	90-135	0.1253E-08
30-45.00	0.1999E-03	-7.5 TO 37.5	0.3365E-09	82.5-127.5	0.3347E-09	30	0- 45	0.1118E-08	90-135	0.1113E-08
45-60.00	0.2605E-03	-7.5 TO 37.5	0.2536E-09	82.5-127.5	0.2519E-09	45	0- 45	0.9006E-09	90-135	0.8946E-09
60-75.00	0.3033E-03	-7.5 TO 37.5	0.1543E-09	82.5-127.5	0.1530E-09	60	0- 45	0.6218E-09	90-135	0.6167E-09
75-88.87	0.3006E-03	-7.5 TO 37.5	0.5060E-10	82.5-127.5	0.5014E-10	75	0- 45	0.3051E-09	90-135	0.3023E-09
0-15.00	0.5714E-04	-7.5 TO 52.5	0.4265E-09	82.5-142.5	0.4258E-09	0	0- 60	0.1736E-08	90-150	0.1736E-08
15-30.00	0.1675E-03	-7.5 TO 52.5	0.3957E-09	82.5-142.5	0.3943E-09	15	0- 60	0.1675E-08	90-150	0.1671E-08
30-45.00	0.2665E-03	-7.5 TO 52.5	0.3364E-09	82.5-142.5	0.3345E-09	30	0- 60	0.1491E-08	90-150	0.1483E-08
45-60.00	0.3473E-03	-7.5 TO 52.5	0.2535E-09	82.5-142.5	0.2517E-09	45	0- 60	0.1200E-08	90-150	0.1192E-08
60-75.00	0.4044E-03	-7.5 TO 52.5	0.1542E-09	82.5-142.5	0.1529E-09	60	0- 60	0.8287E-09	90-150	0.8217E-09
75-88.87	0.4008E-03	-7.5 TO 52.5	0.5057E-10	82.5-142.5	0.5010E-10	75	0- 60	0.4066E-09	90-150	0.4027E-09
0-15.00	0.7142E-04	-7.5 TO 67.5	0.4264E-09	82.5-157.5	0.4257E-09	0	0- 75	0.2170E-08	90-165	0.2170E-08
15-30.00	0.2094E-03	-7.5 TO 67.5	0.3957E-09	82.5-157.5	0.3942E-09	15	0- 75	0.2093E-08	90-165	0.2088E-08
30-45.00	0.3331E-03	-7.5 TO 67.5	0.3363E-09	82.5-157.5	0.3343E-09	30	0- 75	0.1863E-08	90-165	0.1854E-08
45-60.00	0.4341E-03	-7.5 TO 67.5	0.2534E-09	82.5-157.5	0.2515E-09	45	0- 75	0.1500E-08	90-165	0.1489E-08
60-75.00	0.5055E-03	-7.5 TO 67.5	0.1541E-09	82.5-157.5	0.1528E-09	60	0- 75	0.1035E-08	90-165	0.1027E-08
75-88.87	0.5010E-03	-7.5 TO 67.5	0.5054E-10	82.5-157.5	0.5006E-10	75	0- 75	0.5079E-09	90-165	0.5030E-09
0-15.00	0.8571E-04	-7.5 TO 82.5	0.4264E-09	82.5-172.5	0.4257E-09	0	0- 90	0.2604E-08	90-180	0.2604E-08
15-30.00	0.2513E-03	-7.5 TO 82.5	0.3955E-09	82.5-172.5	0.3941E-09	15	0- 90	0.2511E-08	90-180	0.2505E-08
30-45.00	0.3997E-03	-7.5 TO 82.5	0.3361E-09	82.5-172.5	0.3342E-09	30	0- 90	0.2235E-08	90-180	0.2224E-08
45-60.00	0.5209E-03	-7.5 TO 82.5	0.2533E-09	82.5-172.5	0.2514E-09	45	0- 90	0.1799E-08	90-180	0.1787E-08
60-75.00	0.6066E-03	-7.5 TO 82.5	0.1540E-09	82.5-172.5	0.1527E-09	60	0- 90	0.1241E-08	90-180	0.1231E-08
75-88.87	0.6012E-03	-7.5 TO 82.5	0.5051E-10	82.5-172.5	0.5003E-10	75	0- 90	0.6090E-09	90-180	0.6033E-09
0-15.00	0.9999E-04	-7.5 TO 97.5	0.4263E-09	82.5-187.5	0.4257E-09	0	0-105	0.3038E-08	90-195	0.3038E-08
15-30.00	0.2932E-03	-7.5 TO 97.5	0.3954E-09	82.5-187.5	0.3940E-09	15	0-105	0.2929E-08	90-195	0.2922E-08
30-45.00	0.4663E-03	-7.5 TO 97.5	0.3360E-09	82.5-187.5	0.3341E-09	30	0-105	0.2606E-08	90-195	0.2594E-08
45-60.00	0.6078E-03	-7.5 TO 97.5	0.2531E-09	82.5-187.5	0.2513E-09	45	0-105	0.2097E-08	90-195	0.2084E-08
60-75.00	0.7077E-03	-7.5 TO 97.5	0.1539E-09	82.5-187.5	0.1526E-09	60	0-105	0.1447E-08	90-195	0.1436E-08
75-88.87	0.7014E-03	-7.5 TO 97.5	0.5047E-10	82.5-187.5	0.5000E-10	75	0-105	0.7099E-09	90-195	0.7036E-09

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0100$ $\cosh \mu_2 = 2499.0001$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 134.98$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1428E-04	-7.5 TO 7.5	0.8537E-09	82.5- 97.5	0.8519E-09	0	0- 15	0.8679E-09	90-105	0.8679E-09
15-30.00	0.4188E-04	-7.5 TO 7.5	0.7930E-09	82.5- 97.5	0.7894E-09	15	0- 15	0.8385E-09	90-105	0.8356E-09
30-45.00	0.6662E-04	-7.5 TO 7.5	0.6748E-09	82.5- 97.5	0.6700E-09	30	0- 15	0.7473E-09	90-105	0.7425E-09
45-60.00	0.8682E-04	-7.5 TO 7.5	0.5091E-09	82.5- 97.5	0.5044E-09	45	0- 15	0.6024E-09	90-105	0.5969E-09
60-75.00	0.1011E-03	-7.5 TO 7.5	0.3099E-09	82.5- 97.5	0.3066E-09	60	0- 15	0.4162E-09	90-105	0.4116E-09
75-88.87	0.1002E-03	-7.5 TO 7.5	0.1017E-09	82.5- 97.5	0.1005E-09	75	0- 15	0.2043E-09	90-105	0.2017E-09
0-15.00	0.2857E-04	-7.5 TO 22.5	0.8536E-09	82.5-112.5	0.8517E-09	0	0- 30	0.1736E-08	90-120	0.1736E-08
15-30.00	0.8376E-04	-7.5 TO 22.5	0.7930E-09	82.5-112.5	0.7889E-09	15	0- 30	0.1677E-08	90-120	0.1671E-08
30-45.00	0.1332E-03	-7.5 TO 22.5	0.6747E-09	82.5-112.5	0.6694E-09	30	0- 30	0.1494E-08	90-120	0.1484E-08
45-60.00	0.1736E-03	-7.5 TO 22.5	0.5090E-09	82.5-112.5	0.5038E-09	45	0- 30	0.1204E-08	90-120	0.1192E-08
60-75.00	0.2022E-03	-7.5 TO 22.5	0.3098E-09	82.5-112.5	0.3061E-09	60	0- 30	0.8322E-09	90-120	0.8221E-09
75-88.87	0.2004E-03	-7.5 TO 22.5	0.1016E-09	82.5-112.5	0.1003E-09	75	0- 30	0.4085E-09	90-120	0.4029E-09
0-15.00	0.4285E-04	-7.5 TO 37.5	0.8536E-09	82.5-127.5	0.8515E-09	0	0- 45	0.2604E-08	90-135	0.2604E-08
15-30.00	0.1256E-03	-7.5 TO 37.5	0.7928E-09	82.5-127.5	0.7885E-09	15	0- 45	0.2515E-08	90-135	0.2505E-08
30-45.00	0.1999E-03	-7.5 TO 37.5	0.6745E-09	82.5-127.5	0.6688E-09	30	0- 45	0.2241E-08	90-135	0.2224E-08
45-60.00	0.2605E-03	-7.5 TO 37.5	0.5088E-09	82.5-127.5	0.5032E-09	45	0- 45	0.1806E-08	90-135	0.1787E-08
60-75.00	0.3033E-03	-7.5 TO 37.5	0.3097E-09	82.5-127.5	0.3057E-09	60	0- 45	0.1248E-08	90-135	0.1232E-08
75-88.87	0.3006E-03	-7.5 TO 37.5	0.1016E-09	82.5-127.5	0.1002E-09	75	0- 45	0.6124E-09	90-135	0.6035E-09
0-15.00	0.5714E-04	-7.5 TO 52.5	0.8535E-09	82.5-142.5	0.8513E-09	0	0- 60	0.3472E-08	90-150	0.3472E-08
15-30.00	0.1675E-03	-7.5 TO 52.5	0.7926E-09	82.5-142.5	0.7881E-09	15	0- 60	0.3352E-08	90-150	0.3339E-08
30-45.00	0.2665E-03	-7.5 TO 52.5	0.6742E-09	82.5-142.5	0.6683E-09	30	0- 60	0.2987E-08	90-150	0.2964E-08
45-60.00	0.3473E-03	-7.5 TO 52.5	0.5085E-09	82.5-142.5	0.5027E-09	45	0- 60	0.2406E-08	90-150	0.2381E-08
60-75.00	0.4044E-03	-7.5 TO 52.5	0.3095E-09	82.5-142.5	0.3054E-09	60	0- 60	0.1662E-08	90-150	0.1640E-08
75-88.87	0.4008E-03	-7.5 TO 52.5	0.1015E-09	82.5-142.5	0.1000E-09	75	0- 60	0.8158E-09	90-150	0.8037E-09
0-15.00	0.7142E-04	-7.5 TO 67.5	0.8533E-09	82.5-157.5	0.8511E-09	0	0- 75	0.4340E-08	90-165	0.4340E-08
15-30.00	0.2094E-03	-7.5 TO 67.5	0.7923E-09	82.5-157.5	0.7877E-09	15	0- 75	0.4189E-08	90-165	0.4173E-08
30-45.00	0.3331E-03	-7.5 TO 67.5	0.6739E-09	82.5-157.5	0.6678E-09	30	0- 75	0.3731E-08	90-165	0.3703E-08
45-60.00	0.4341E-03	-7.5 TO 67.5	0.5082E-09	82.5-157.5	0.5023E-09	45	0- 75	0.3006E-08	90-165	0.2974E-08
60-75.00	0.5055E-03	-7.5 TO 67.5	0.3092E-09	82.5-157.5	0.3050E-09	60	0- 75	0.2076E-08	90-165	0.2049E-08
75-88.87	0.5010E-03	-7.5 TO 67.5	0.1014E-09	82.5-157.5	0.9991E-10	75	0- 75	0.1019E-08	90-165	0.1004E-08
0-15.00	0.8571E-04	-7.5 TO 82.5	0.8532E-09	82.5-172.5	0.8510E-09	0	0- 90	0.5208E-08	90-180	0.5208E-08
15-30.00	0.2513E-03	-7.5 TO 82.5	0.7920E-09	82.5-172.5	0.7874E-09	15	0- 90	0.5026E-08	90-180	0.5006E-08
30-45.00	0.3997E-03	-7.5 TO 82.5	0.6734E-09	82.5-172.5	0.6674E-09	30	0- 90	0.4475E-08	90-180	0.4441E-08
45-60.00	0.5209E-03	-7.5 TO 82.5	0.5077E-09	82.5-172.5	0.5019E-09	45	0- 90	0.3604E-08	90-180	0.3566E-08
60-75.00	0.6066E-03	-7.5 TO 82.5	0.3089E-09	82.5-172.5	0.3048E-09	60	0- 90	0.2489E-08	90-180	0.2457E-08
75-88.87	0.6012E-03	-7.5 TO 82.5	0.1013E-09	82.5-172.5	0.9981E-10	75	0- 90	0.1221E-08	90-180	0.1203E-08
0-15.00	0.9999E-04	-7.5 TO 97.5	0.8530E-09	82.5-187.5	0.8509E-09	0	0-105	0.6076E-08	90-195	0.6076E-08
15-30.00	0.2932E-03	-7.5 TO 97.5	0.7916E-09	82.5-187.5	0.7872E-09	15	0-105	0.5861E-08	90-195	0.5840E-08
30-45.00	0.4663E-03	-7.5 TO 97.5	0.6730E-09	82.5-187.5	0.6671E-09	30	0-105	0.5217E-08	90-195	0.5180E-08
45-60.00	0.6078E-03	-7.5 TO 97.5	0.5073E-09	82.5-187.5	0.5016E-09	45	0-105	0.4201E-08	90-195	0.4159E-08
60-75.00	0.7077E-03	-7.5 TO 97.5	0.3086E-09	82.5-187.5	0.3045E-09	60	0-105	0.2900E-08	90-195	0.2865E-08
75-88.87	0.7014E-03	-7.5 TO 97.5	0.1012E-09	82.5-187.5	0.9973E-10	75	0-105	0.1423E-08	90-195	0.1403E-08

$r_2/r_1 = 0.01$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0100$ $\cosh \mu_2 = 2499.0001$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 119.98$

0-15.00	0.1428E-04	-7.5 TO 7.5	0.1282E-08	82.5- 97.5	0.1278E-08	0	0- 15	0.1302E-08	90-105	0.1302E-08
15-30.00	0.4188E-04	-7.5 TO 7.5	0.1192E-08	82.5- 97.5	0.1184E-08	15	0- 15	0.1259E-08	90-105	0.1253E-08
30-45.00	0.6662E-04	-7.5 TO 7.5	0.1015E-08	82.5- 97.5	0.1005E-08	30	0- 15	0.1124E-08	90-105	0.1113E-08
45-60.00	0.8682E-04	-7.5 TO 7.5	0.7665E-09	82.5- 97.5	0.7566E-09	45	0- 15	0.9067E-09	90-105	0.8948E-09
60-75.00	0.1011E-03	-7.5 TO 7.5	0.4669E-09	82.5- 97.5	0.4598E-09	60	0- 15	0.6270E-09	90-105	0.6169E-09
75-88.87	0.1002E-03	-7.5 TO 7.5	0.1532E-09	82.5- 97.5	0.1507E-09	75	0- 15	0.3079E-09	90-105	0.3024E-09
0-15.00	0.2857E-04	-7.5 TO 22.5	0.1281E-08	82.5-112.5	0.1277E-08	0	0- 30	0.2604E-08	90-120	0.2604E-08
15-30.00	0.8376E-04	-7.5 TO 22.5	0.1192E-08	82.5-112.5	0.1183E-08	15	0- 30	0.2518E-08	90-120	0.2505E-08
30-45.00	0.1332E-03	-7.5 TO 22.5	0.1015E-08	82.5-112.5	0.1004E-08	30	0- 30	0.2247E-08	90-120	0.2224E-08
45-60.00	0.1736E-03	-7.5 TO 22.5	0.7664E-09	82.5-112.5	0.7553E-09	45	0- 30	0.1813E-08	90-120	0.1787E-08
60-75.00	0.2022E-03	-7.5 TO 22.5	0.4667E-09	82.5-112.5	0.4589E-09	60	0- 30	0.1253E-08	90-120	0.1232E-08
75-88.87	0.2004E-03	-7.5 TO 22.5	0.1532E-09	82.5-112.5	0.1504E-09	75	0- 30	0.6156E-09	90-120	0.6035E-09
0-15.00	0.4285E-04	-7.5 TO 37.5	0.1281E-08	82.5-127.5	0.1277E-08	0	0- 45	0.3905E-08	90-135	0.3905E-08
15-30.00	0.1256E-03	-7.5 TO 37.5	0.1191E-08	82.5-127.5	0.1182E-08	15	0- 45	0.3776E-08	90-135	0.3755E-08
30-45.00	0.1999E-03	-7.5 TO 37.5	0.1015E-08	82.5-127.5	0.1002E-08	30	0- 45	0.3369E-08	90-135	0.3333E-08
45-60.00	0.2605E-03	-7.5 TO 37.5	0.7660E-09	82.5-127.5	0.7540E-09	45	0- 45	0.2717E-08	90-135	0.2677E-08
60-75.00	0.3033E-03	-7.5 TO 37.5	0.4665E-09	82.5-127.5	0.4580E-09	60	0- 45	0.1879E-08	90-135	0.1844E-08
75-88.87	0.3006E-03	-7.5 TO 37.5	0.1531E-09	82.5-127.5	0.1500E-09	75	0- 45	0.9225E-09	90-135	0.9036E-09
0-15.00	0.5714E-04	-7.5 TO 52.5	0.1281E-08	82.5-142.5	0.1276E-08	0	0- 60	0.5207E-08	90-150	0.5207E-08
15-30.00	0.1675E-03	-7.5 TO 52.5	0.1191E-08	82.5-142.5	0.1181E-08	15	0- 60	0.5033E-08	90-150	0.5005E-08
30-45.00	0.2665E-03	-7.5 TO 52.5	0.1014E-08	82.5-142.5	0.1001E-08	30	0- 60	0.4489E-08	90-150	0.4440E-08
45-60.00	0.3473E-03	-7.5 TO 52.5	0.7654E-09	82.5-142.5	0.7529E-09	45	0- 60	0.3620E-08	90-150	0.3564E-08
60-75.00	0.4044E-03	-7.5 TO 52.5	0.4660E-09	82.5-142.5	0.4572E-09	60	0- 60	0.2502E-08	90-150	0.2455E-08
75-88.87	0.4008E-03	-7.5 TO 52.5	0.1529E-09	82.5-142.5	0.1497E-09	75	0- 60	0.1229E-08	90-150	0.1203E-08
0-15.00	0.7142E-04	-7.5 TO 67.5	0.1281E-08	82.5-157.5	0.1276E-08	0	0- 75	0.6509E-08	90-165	0.6509E-08
15-30.00	0.2094E-03	-7.5 TO 67.5	0.1190E-08	82.5-157.5	0.1180E-08	15	0- 75	0.6289E-08	90-165	0.6254E-08
30-45.00	0.3331E-03	-7.5 TO 67.5	0.1013E-08	82.5-157.5	0.1000E-08	30	0- 75	0.5607E-08	90-165	0.5546E-08
45-60.00	0.4341E-03	-7.5 TO 67.5	0.7646E-09	82.5-157.5	0.7519E-09	45	0- 75	0.4520E-08	90-165	0.4451E-08
60-75.00	0.5055E-03	-7.5 TO 67.5	0.4655E-09	82.5-157.5	0.4565E-09	60	0- 75	0.3124E-08	90-165	0.3065E-08
75-88.87	0.5010E-03	-7.5 TO 67.5	0.1527E-09	82.5-157.5	0.1495E-09	75	0- 75	0.1534E-08	90-165	0.1501E-08
0-15.00	0.8571E-04	-7.5 TO 82.5	0.1280E-08	82.5-172.5	0.1276E-08	0	0- 90	0.7811E-08	90-180	0.7811E-08
15-30.00	0.2513E-03	-7.5 TO 82.5	0.1190E-08	82.5-172.5	0.1180E-08	15	0- 90	0.7544E-08	90-180	0.7502E-08
30-45.00	0.3997E-03	-7.5 TO 82.5	0.1012E-08	82.5-172.5	0.9993E-09	30	0- 90	0.6722E-08	90-180	0.6651E-08
45-60.00	0.5209E-03	-7.5 TO 82.5	0.7637E-09	82.5-172.5	0.7511E-09	45	0- 90	0.5418E-08	90-180	0.5336E-08
60-75.00	0.6066E-03	-7.5 TO 82.5	0.4649E-09	82.5-172.5	0.4559E-09	60	0- 90	0.3743E-08	90-180	0.3674E-08
75-88.87	0.6012E-03	-7.5 TO 82.5	0.1525E-09	82.5-172.5	0.1493E-09	75	0- 90	0.1837E-08	90-180	0.1799E-08
0-15.00	0.9999E-04	-7.5 TO 97.5	0.1280E-08	82.5-187.5	0.1276E-08	0	0-105	0.9113E-08	90-195	0.9113E-08
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1189E-08	82.5-187.5	0.1179E-08	15	0-105	0.8797E-08	90-195	0.8751E-08
30-45.00	0.4663E-03	-7.5 TO 97.5	0.1011E-08	82.5-187.5	0.9987E-09	30	0-105	0.7836E-08	90-195	0.7756E-08
45-60.00	0.6078E-03	-7.5 TO 97.5	0.7627E-09	82.5-187.5	0.7504E-09	45	0-105	0.6313E-08	90-195	0.6222E-08
60-75.00	0.7077E-03	-7.5 TO 97.5	0.4641E-09	82.5-187.5	0.4555E-09	60	0-105	0.4360E-08	90-195	0.4284E-08
75-88.87	0.7014E-03	-7.5 TO 97.5	0.1523E-09	82.5-187.5	0.1491E-09	75	0-105	0.2140E-08	90-195	0.2097E-08

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0100$ $\cosh \mu_2 = 2499.0001$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 104.98$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1428E-04	-7.5 TO 7.5	0.1596E-08	82.5- 97.5	0.1589E-08	0	0- 15	0.1619E-08	90-105	0.1619E-08
15-30.00	0.4188E-04	-7.5 TO 7.5	0.1486E-08	82.5- 97.5	0.1473E-08	15	0- 15	0.1569E-08	90-105	0.1558E-08
30-45.00	0.6662E-04	-7.5 TO 7.5	0.1268E-08	82.5- 97.5	0.1250E-08	30	0- 15	0.1402E-08	90-105	0.1384E-08
45-60.00	0.8682E-04	-7.5 TO 7.5	0.9582E-09	82.5- 97.5	0.9411E-09	45	0- 15	0.1133E-08	90-105	0.1112E-08
60-75.00	0.1011E-03	-7.5 TO 7.5	0.5841E-09	82.5- 97.5	0.5719E-09	60	0- 15	0.7841E-09	90-105	0.7669E-09
75-88.87	0.1002E-03	-7.5 TO 7.5	0.1918E-09	82.5- 97.5	0.1874E-09	75	0- 15	0.3854E-09	90-105	0.3758E-09
0-15.00	0.2857E-04	-7.5 TO 22.5	0.1596E-08	82.5-112.5	0.1589E-08	0	0- 30	0.3239E-08	90-120	0.3239E-08
15-30.00	0.8376E-04	-7.5 TO 22.5	0.1486E-08	82.5-112.5	0.1471E-08	15	0- 30	0.3137E-08	90-120	0.3115E-08
30-45.00	0.1332E-03	-7.5 TO 22.5	0.1267E-08	82.5-112.5	0.1248E-08	30	0- 30	0.2803E-08	90-120	0.2764E-08
45-60.00	0.1736E-03	-7.5 TO 22.5	0.9579E-09	82.5-112.5	0.9389E-09	45	0- 30	0.2265E-08	90-120	0.2220E-08
60-75.00	0.2022E-03	-7.5 TO 22.5	0.5839E-09	82.5-112.5	0.5704E-09	60	0- 30	0.1567E-08	90-120	0.1530E-08
75-88.87	0.2004E-03	-7.5 TO 22.5	0.1917E-09	82.5-112.5	0.1869E-09	75	0- 30	0.7702E-09	90-120	0.7495E-09
0-15.00	0.4285E-04	-7.5 TO 37.5	0.1595E-08	82.5-127.5	0.1588E-08	0	0- 45	0.4858E-08	90-135	0.4858E-08
15-30.00	0.1256E-03	-7.5 TO 37.5	0.1485E-08	82.5-127.5	0.1469E-08	15	0- 45	0.4704E-08	90-135	0.4668E-08
30-45.00	0.1999E-03	-7.5 TO 37.5	0.1267E-08	82.5-127.5	0.1246E-08	30	0- 45	0.4202E-08	90-135	0.4141E-08
45-60.00	0.2605E-03	-7.5 TO 37.5	0.9573E-09	82.5-127.5	0.9367E-09	45	0- 45	0.3394E-08	90-135	0.3324E-08
60-75.00	0.3033E-03	-7.5 TO 37.5	0.5834E-09	82.5-127.5	0.5689E-09	60	0- 45	0.2348E-08	90-135	0.2289E-08
75-88.87	0.3006E-03	-7.5 TO 37.5	0.1916E-09	82.5-127.5	0.1863E-09	75	0- 45	0.1154E-08	90-135	0.1121E-08
0-15.00	0.5714E-04	-7.5 TO 52.5	0.1595E-08	82.5-142.5	0.1587E-08	0	0- 60	0.6477E-08	90-150	0.6477E-08
15-30.00	0.1675E-03	-7.5 TO 52.5	0.1485E-08	82.5-142.5	0.1468E-08	15	0- 60	0.6270E-08	90-150	0.6221E-08
30-45.00	0.2665E-03	-7.5 TO 52.5	0.1266E-08	82.5-142.5	0.1244E-08	30	0- 60	0.5598E-08	90-150	0.5514E-08
45-60.00	0.3473E-03	-7.5 TO 52.5	0.9562E-09	82.5-142.5	0.9348E-09	45	0- 60	0.4520E-08	90-150	0.4424E-08
60-75.00	0.4044E-03	-7.5 TO 52.5	0.5827E-09	82.5-142.5	0.5675E-09	60	0- 60	0.3127E-08	90-150	0.3046E-08
75-88.87	0.4008E-03	-7.5 TO 52.5	0.1913E-09	82.5-142.5	0.1858E-09	75	0- 60	0.1536E-08	90-150	0.1492E-08
0-15.00	0.7142E-04	-7.5 TO 67.5	0.1595E-08	82.5-157.5	0.1587E-08	0	0- 75	0.8097E-08	90-165	0.8097E-08
15-30.00	0.2094E-03	-7.5 TO 67.5	0.1484E-08	82.5-157.5	0.1467E-08	15	0- 75	0.7833E-08	90-165	0.7772E-08
30-45.00	0.3331E-03	-7.5 TO 67.5	0.1264E-08	82.5-157.5	0.1242E-08	30	0- 75	0.6991E-08	90-165	0.6886E-08
45-60.00	0.4341E-03	-7.5 TO 67.5	0.9549E-09	82.5-157.5	0.9331E-09	45	0- 75	0.5641E-08	90-165	0.5522E-08
60-75.00	0.5055E-03	-7.5 TO 67.5	0.5817E-09	82.5-157.5	0.5663E-09	60	0- 75	0.3901E-08	90-165	0.3801E-08
75-88.87	0.5010E-03	-7.5 TO 67.5	0.1910E-09	82.5-157.5	0.1854E-09	75	0- 75	0.1916E-08	90-165	0.1861E-08
0-15.00	0.8571E-04	-7.5 TO 82.5	0.1594E-08	82.5-172.5	0.1586E-08	0	0- 90	0.9716E-08	90-180	0.9716E-08
15-30.00	0.2513E-03	-7.5 TO 82.5	0.1482E-08	82.5-172.5	0.1465E-08	15	0- 90	0.9394E-08	90-180	0.9322E-08
30-45.00	0.3997E-03	-7.5 TO 82.5	0.1263E-08	82.5-172.5	0.1240E-08	30	0- 90	0.8379E-08	90-180	0.8256E-08
45-60.00	0.5209E-03	-7.5 TO 82.5	0.9534E-09	82.5-172.5	0.9317E-09	45	0- 90	0.6759E-08	90-180	0.6619E-08
60-75.00	0.6066E-03	-7.5 TO 82.5	0.5806E-09	82.5-172.5	0.5653E-09	60	0- 90	0.4672E-08	90-180	0.4554E-08
75-88.87	0.6012E-03	-7.5 TO 82.5	0.1906E-09	82.5-172.5	0.1850E-09	75	0- 90	0.2294E-08	90-180	0.2229E-08
0-15.00	0.9999E-04	-7.5 TO 97.5	0.1593E-08	82.5-187.5	0.1586E-08	0	0-105	0.1134E-07	90-195	0.1134E-07
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1481E-08	82.5-187.5	0.1465E-08	15	0-105	0.1095E-07	90-195	0.1087E-07
30-45.00	0.4663E-03	-7.5 TO 97.5	0.1261E-08	82.5-187.5	0.1239E-08	30	0-105	0.9763E-08	90-195	0.9626E-08
45-60.00	0.6078E-03	-7.5 TO 97.5	0.9516E-09	82.5-187.5	0.9306E-09	45	0-105	0.7871E-08	90-195	0.7715E-08
60-75.00	0.7077E-03	-7.5 TO 97.5	0.5794E-09	82.5-187.5	0.5645E-09	60	0-105	0.5439E-08	90-195	0.5308E-08
75-88.87	0.7014E-03	-7.5 TO 97.5	0.1901E-09	82.5-187.5	0.1848E-09	75	0-105	0.2670E-08	90-195	0.2598E-08

$r_2/r_1 = 0.01$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0100$ $\cosh \mu_2 = 2499.0001$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 89.98$

0-15.00	0.1428E-04	-7.5 TO 7.5	0.1713E-08	82.5- 97.5	0.1703E-08	0	0- 15	0.1735E-08	90-105	0.1735E-08
15-30.00	0.4188E-04	-7.5 TO 7.5	0.1598E-08	82.5- 97.5	0.1578E-08	15	0- 15	0.1685E-08	90-105	0.1670E-08
30-45.00	0.6662E-04	-7.5 TO 7.5	0.1366E-08	82.5- 97.5	0.1340E-08	30	0- 15	0.1509E-08	90-105	0.1483E-08
45-60.00	0.8682E-04	-7.5 TO 7.5	0.1034E-08	82.5- 97.5	0.1009E-08	45	0- 15	0.1221E-08	90-105	0.1191E-08
60-75.00	0.1011E-03	-7.5 TO 7.5	0.6309E-09	82.5- 97.5	0.6129E-09	60	0- 15	0.8466E-09	90-105	0.8210E-09
75-88.87	0.1002E-03	-7.5 TO 7.5	0.2073E-09	82.5- 97.5	0.2009E-09	75	0- 15	0.4164E-09	90-105	0.4023E-09
0-15.00	0.2857E-04	-7.5 TO 22.5	0.1713E-08	82.5-112.5	0.1702E-08	0	0- 30	0.3471E-08	90-120	0.3471E-08
15-30.00	0.8376E-04	-7.5 TO 22.5	0.1598E-08	82.5-112.5	0.1576E-08	15	0- 30	0.3370E-08	90-120	0.3336E-08
30-45.00	0.1332E-03	-7.5 TO 22.5	0.1365E-08	82.5-112.5	0.1336E-08	30	0- 30	0.3017E-08	90-120	0.2959E-08
45-60.00	0.1736E-03	-7.5 TO 22.5	0.1033E-08	82.5-112.5	0.1005E-08	45	0- 30	0.2441E-08	90-120	0.2376E-08
60-75.00	0.2022E-03	-7.5 TO 22.5	0.6306E-09	82.5-112.5	0.6106E-09	60	0- 30	0.1692E-08	90-120	0.1636E-08
75-88.87	0.2004E-03	-7.5 TO 22.5	0.2072E-09	82.5-112.5	0.2000E-09	75	0- 30	0.8319E-09	90-120	0.8015E-09
0-15.00	0.4285E-04	-7.5 TO 37.5	0.1712E-08	82.5-127.5	0.1701E-08	0	0- 45	0.5206E-08	90-135	0.5206E-08
15-30.00	0.1256E-03	-7.5 TO 37.5	0.1597E-08	82.5-127.5	0.1573E-08	15	0- 45	0.5052E-08	90-135	0.4999E-08
30-45.00	0.1999E-03	-7.5 TO 37.5	0.1364E-08	82.5-127.5	0.1333E-08	30	0- 45	0.4521E-08	90-135	0.4430E-08
45-60.00	0.2605E-03	-7.5 TO 37.5	0.1032E-08	82.5-127.5	0.1002E-08	45	0- 45	0.3657E-08	90-135	0.3554E-08
60-75.00	0.3033E-03	-7.5 TO 37.5	0.6299E-09	82.5-127.5	0.6084E-09	60	0- 45	0.2534E-08	90-135	0.2447E-08
75-88.87	0.3006E-03	-7.5 TO 37.5	0.2069E-09	82.5-127.5	0.1993E-09	75	0- 45	0.1246E-08	90-135	0.1198E-08
0-15.00	0.5714E-04	-7.5 TO 52.5	0.1712E-08	82.5-142.5	0.1700E-08	0	0- 60	0.6942E-08	90-150	0.6942E-08
15-30.00	0.1675E-03	-7.5 TO 52.5	0.1596E-08	82.5-142.5	0.1571E-08	15	0- 60	0.6732E-08	90-150	0.6659E-08
30-45.00	0.2665E-03	-7.5 TO 52.5	0.1363E-08	82.5-142.5	0.1330E-08	30	0- 60	0.6021E-08	90-150	0.5897E-08
45-60.00	0.3473E-03	-7.5 TO 52.5	0.1031E-08	82.5-142.5	0.9993E-09	45	0- 60	0.4868E-08	90-150	0.4727E-08
60-75.00	0.4044E-03	-7.5 TO 52.5	0.6288E-09	82.5-142.5	0.6064E-09	60	0- 60	0.3372E-08	90-150	0.3253E-08
75-88.87	0.4008E-03	-7.5 TO 52.5	0.2065E-09	82.5-142.5	0.1985E-09	75	0- 60	0.1657E-08	90-150	0.1592E-08
0-15.00	0.7142E-04	-7.5 TO 67.5	0.1711E-08	82.5-157.5	0.1699E-08	0	0- 75	0.8677E-08	90-165	0.8677E-08
15-30.00	0.2094E-03	-7.5 TO 67.5	0.1594E-08	82.5-157.5	0.1569E-08	15	0- 75	0.8409E-08	90-165	0.8318E-08
30-45.00	0.3331E-03	-7.5 TO 67.5	0.1361E-08	82.5-157.5	0.1328E-08	30	0- 75	0.7516E-08	90-165	0.7361E-08
45-60.00	0.4341E-03	-7.5 TO 67.5	0.1029E-08	82.5-157.5	0.9968E-09	45	0- 75	0.6073E-08	90-165	0.5897E-08
60-75.00	0.5055E-03	-7.5 TO 67.5	0.6274E-09	82.5-157.5	0.6047E-09	60	0- 75	0.4204E-08	90-165	0.4056E-08
75-88.87	0.5010E-03	-7.5 TO 67.5	0.2060E-09	82.5-157.5	0.1979E-09	75	0- 75	0.2066E-08	90-165	0.1985E-08
0-15.00	0.8571E-04	-7.5 TO 82.5	0.1710E-08	82.5-172.5	0.1698E-08	0	0- 90	0.1041E-07	90-180	0.1041E-07
15-30.00	0.2513E-03	-7.5 TO 82.5	0.1593E-08	82.5-172.5	0.1568E-08	15	0- 90	0.1008E-07	90-180	0.9976E-08
30-45.00	0.3997E-03	-7.5 TO 82.5	0.1358E-08	82.5-172.5	0.1325E-08	30	0- 90	0.9005E-08	90-180	0.8823E-08
45-60.00	0.5209E-03	-7.5 TO 82.5	0.1027E-08	82.5-172.5	0.9947E-09	45	0- 90	0.7272E-08	90-180	0.7065E-08
60-75.00	0.6066E-03	-7.5 TO 82.5	0.6258E-09	82.5-172.5	0.6032E-09	60	0- 90	0.5031E-08	90-180	0.4857E-08
75-88.87	0.6012E-03	-7.5 TO 82.5	0.2055E-09	82.5-172.5	0.1974E-09	75	0- 90	0.2472E-08	90-180	0.2376E-08
0-15.00	0.9999E-04	-7.5 TO 97.5	0.1709E-08	82.5-187.5	0.1698E-08	0	0-105	0.1215E-07	90-195	0.1215E-07
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1591E-08	82.5-187.5	0.1566E-08	15	0-105	0.1175E-07	90-195	0.1163E-07
30-45.00	0.4663E-03	-7.5 TO 97.5	0.1356E-08	82.5-187.5	0.1324E-08	30	0-105	0.1049E-07	90-195	0.1029E-07
45-60.00	0.6078E-03	-7.5 TO 97.5	0.1024E-08	82.5-187.5	0.9931E-09	45	0-105	0.8463E-08	90-195	0.8233E-08
60-75.00	0.7077E-03	-7.5 TO 97.5	0.6239E-09	82.5-187.5	0.6021E-09	60	0-105	0.5852E-08	90-195	0.5659E-08
75-88.87	0.7014E-03	-7.5 TO 97.5	0.2048E-09	82.5-187.5	0.1970E-09	75	0-105	0.2874E-08	90-195	0.2768E-08

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0100$ $\cosh \mu_2 = 2499.0001$ $\alpha_{2,max} = 91.13$ $\theta_{2,min} = 88.84$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1428E-04	-7.5 TO 7.5	0.1713E-08	82.5- 97.5	0.1703E-08	0	0- 15	0.1735E-08	90-105	0.1735E-08
15-30.00	0.4188E-04	-7.5 TO 7.5	0.1598E-08	82.5- 97.5	0.1578E-08	15	0- 15	0.1685E-08	90-105	0.1670E-08
30-45.00	0.6662E-04	-7.5 TO 7.5	0.1366E-08	82.5- 97.5	0.1340E-08	30	0- 15	0.1509E-08	90-105	0.1483E-08
45-60.00	0.8682E-04	-7.5 TO 7.5	0.1034E-08	82.5- 97.5	0.1009E-08	45	0- 15	0.1222E-08	90-105	0.1191E-08
60-75.00	0.1011E-03	-7.5 TO 7.5	0.6311E-09	82.5- 97.5	0.6129E-09	60	0- 15	0.8468E-09	90-105	0.8210E-09
75-88.87	0.1002E-03	-7.5 TO 7.5	0.2073E-09	82.5- 97.5	0.2009E-09	75	0- 15	0.4165E-09	90-105	0.4023E-09
0-15.00	0.2857E-04	-7.5 TO 22.5	0.1713E-08	82.5-112.5	0.1702E-08	0	0- 30	0.3471E-08	90-120	0.3471E-08
15-30.00	0.8376E-04	-7.5 TO 22.5	0.1598E-08	82.5-112.5	0.1576E-08	15	0- 30	0.3370E-08	90-120	0.3336E-08
30-45.00	0.1332E-03	-7.5 TO 22.5	0.1365E-08	82.5-112.5	0.1336E-08	30	0- 30	0.3017E-08	90-120	0.2959E-08
45-60.00	0.1736E-03	-7.5 TO 22.5	0.1034E-08	82.5-112.5	0.1005E-08	45	0- 30	0.2442E-08	90-120	0.2376E-08
60-75.00	0.2022E-03	-7.5 TO 22.5	0.6307E-09	82.5-112.5	0.6106E-09	60	0- 30	0.1692E-08	90-120	0.1636E-08
75-88.87	0.2004E-03	-7.5 TO 22.5	0.2072E-09	82.5-112.5	0.2001E-09	75	0- 30	0.8322E-09	90-120	0.8015E-09
0-15.00	0.4285E-04	-7.5 TO 37.5	0.1712E-08	82.5-127.5	0.1701E-08	0	0- 45	0.5206E-08	90-135	0.5206E-08
15-30.00	0.1256E-03	-7.5 TO 37.5	0.1597E-08	82.5-127.5	0.1573E-08	15	0- 45	0.5052E-08	90-135	0.4999E-08
30-45.00	0.1999E-03	-7.5 TO 37.5	0.1364E-08	82.5-127.5	0.1333E-08	30	0- 45	0.4522E-08	90-135	0.4430E-08
45-60.00	0.2605E-03	-7.5 TO 37.5	0.1033E-08	82.5-127.5	0.1002E-08	45	0- 45	0.3658E-08	90-135	0.3554E-08
60-75.00	0.3033E-03	-7.5 TO 37.5	0.6300E-09	82.5-127.5	0.6084E-09	60	0- 45	0.2534E-08	90-135	0.2447E-08
75-88.87	0.3006E-03	-7.5 TO 37.5	0.2070E-09	82.5-127.5	0.1993E-09	75	0- 45	0.1246E-08	90-135	0.1198E-08
0-15.00	0.5714E-04	-7.5 TO 52.5	0.1712E-08	82.5-142.5	0.1700E-08	0	0- 60	0.6942E-08	90-150	0.6942E-08
15-30.00	0.1675E-03	-7.5 TO 52.5	0.1596E-08	82.5-142.5	0.1571E-08	15	0- 60	0.6732E-08	90-150	0.6659E-08
30-45.00	0.2665E-03	-7.5 TO 52.5	0.1363E-08	82.5-142.5	0.1330E-08	30	0- 60	0.6022E-08	90-150	0.5897E-08
45-60.00	0.3473E-03	-7.5 TO 52.5	0.1031E-08	82.5-142.5	0.9993E-09	45	0- 60	0.4869E-08	90-150	0.4727E-08
60-75.00	0.4044E-03	-7.5 TO 52.5	0.6290E-09	82.5-142.5	0.6064E-09	60	0- 60	0.3372E-08	90-150	0.3253E-08
75-88.87	0.4008E-03	-7.5 TO 52.5	0.2066E-09	82.5-142.5	0.1986E-09	75	0- 60	0.1658E-08	90-150	0.1592E-08
0-15.00	0.7142E-04	-7.5 TO 67.5	0.1711E-08	82.5-157.5	0.1699E-08	0	0- 75	0.8677E-08	90-165	0.8677E-08
15-30.00	0.2094E-03	-7.5 TO 67.5	0.1594E-08	82.5-157.5	0.1569E-08	15	0- 75	0.8409E-08	90-165	0.8318E-08
30-45.00	0.3331E-03	-7.5 TO 67.5	0.1361E-08	82.5-157.5	0.1328E-08	30	0- 75	0.7517E-08	90-165	0.7361E-08
45-60.00	0.4341E-03	-7.5 TO 67.5	0.1029E-08	82.5-157.5	0.9968E-09	45	0- 75	0.6074E-08	90-165	0.5897E-08
60-75.00	0.5055E-03	-7.5 TO 67.5	0.6276E-09	82.5-157.5	0.6047E-09	60	0- 75	0.4205E-08	90-165	0.4056E-08
75-88.87	0.5010E-03	-7.5 TO 67.5	0.2061E-09	82.5-157.5	0.1979E-09	75	0- 75	0.2067E-08	90-165	0.1985E-08
0-15.00	0.8571E-04	-7.5 TO 82.5	0.1710E-08	82.5-172.5	0.1698E-08	0	0- 90	0.1041E-07	90-180	0.1041E-07
15-30.00	0.2513E-03	-7.5 TO 82.5	0.1593E-08	82.5-172.5	0.1568E-08	15	0- 90	0.1008E-07	90-180	0.9976E-08
30-45.00	0.3997E-03	-7.5 TO 82.5	0.1358E-08	82.5-172.5	0.1325E-08	30	0- 90	0.9005E-08	90-180	0.8823E-08
45-60.00	0.5209E-03	-7.5 TO 82.5	0.1027E-08	82.5-172.5	0.9947E-09	45	0- 90	0.7272E-08	90-180	0.7065E-08
60-75.00	0.6066E-03	-7.5 TO 82.5	0.6259E-09	82.5-172.5	0.6032E-09	60	0- 90	0.5032E-08	90-180	0.4857E-08
75-88.87	0.6012E-03	-7.5 TO 82.5	0.2055E-09	82.5-172.5	0.1974E-09	75	0- 90	0.2472E-08	90-180	0.2376E-08
0-15.00	0.9999E-04	-7.5 TO 97.5	0.1709E-08	82.5-187.5	0.1698E-08	0	0-105	0.1215E-07	90-195	0.1215E-07
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1591E-08	82.5-187.5	0.1566E-08	15	0-105	0.1175E-07	90-195	0.1163E-07
30-45.00	0.4663E-03	-7.5 TO 97.5	0.1356E-08	82.5-187.5	0.1324E-08	30	0-105	0.1049E-07	90-195	0.1029E-07
45-60.00	0.6078E-03	-7.5 TO 97.5	0.1024E-08	82.5-187.5	0.9931E-09	45	0-105	0.8463E-08	90-195	0.8233E-08
60-75.00	0.7077E-03	-7.5 TO 97.5	0.6240E-09	82.5-187.5	0.6021E-09	60	0-105	0.5853E-08	90-195	0.5659E-08
75-88.87	0.7014E-03	-7.5 TO 97.5	0.2048E-09	82.5-187.5	0.1970E-09	75	0-105	0.2875E-08	90-195	0.2768E-08

$r_2/r_1 = 0.01$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0050$ $\cosh \mu_2 = 4999.4999$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 165.00$

0-15.00	0.3569E-05	-7.5 TO 7.5	0.2799E-10	82.5- 97.5	0.2798E-10	0	0- 15	0.2848E-10	90-105	0.2848E-10
15-30.00	0.1046E-04	-7.5 TO 7.5	0.2602E-10	82.5- 97.5	0.2600E-10	15	0- 15	0.2749E-10	90-105	0.2747E-10
30-45.00	0.1665E-04	-7.5 TO 7.5	0.2222E-10	82.5- 97.5	0.2220E-10	30	0- 15	0.2455E-10	90-105	0.2453E-10
45-60.00	0.2169E-04	-7.5 TO 7.5	0.1690E-10	82.5- 97.5	0.1687E-10	45	0- 15	0.1990E-10	90-105	0.1987E-10
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1045E-10	82.5- 97.5	0.1043E-10	60	0- 15	0.1391E-10	90-105	0.1388E-10
75-89.43	0.2607E-04	-7.5 TO 7.5	0.3496E-11	82.5- 97.5	0.3490E-11	75	0- 15	0.7011E-11	90-105	0.6997E-11
0-15.00	0.7138E-05	-7.5 TO 22.5	0.2799E-10	82.5-112.5	0.2798E-10	0	0- 30	0.5697E-10	90-120	0.5697E-10
15-30.00	0.2093E-04	-7.5 TO 22.5	0.2602E-10	82.5-112.5	0.2600E-10	15	0- 30	0.5497E-10	90-120	0.5494E-10
30-45.00	0.3329E-04	-7.5 TO 22.5	0.2222E-10	82.5-112.5	0.2220E-10	30	0- 30	0.4910E-10	90-120	0.4904E-10
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1690E-10	82.5-112.5	0.1687E-10	45	0- 30	0.3980E-10	90-120	0.3974E-10
60-75.00	0.5052E-04	-7.5 TO 22.5	0.1045E-10	82.5-112.5	0.1043E-10	60	0- 30	0.2781E-10	90-120	0.2776E-10
75-89.43	0.5214E-04	-7.5 TO 22.5	0.3496E-11	82.5-112.5	0.3489E-11	75	0- 30	0.1402E-10	90-120	0.1399E-10
0-15.00	0.1071E-04	-7.5 TO 37.5	0.2799E-10	82.5-127.5	0.2798E-10	0	0- 45	0.8545E-10	90-135	0.8545E-10
15-30.00	0.3139E-04	-7.5 TO 37.5	0.2602E-10	82.5-127.5	0.2600E-10	15	0- 45	0.8246E-10	90-135	0.8241E-10
30-45.00	0.4994E-04	-7.5 TO 37.5	0.2222E-10	82.5-127.5	0.2219E-10	30	0- 45	0.7364E-10	90-135	0.7356E-10
45-60.00	0.6508E-04	-7.5 TO 37.5	0.1690E-10	82.5-127.5	0.1687E-10	45	0- 45	0.5970E-10	90-135	0.5960E-10
60-75.00	0.7578E-04	-7.5 TO 37.5	0.1045E-10	82.5-127.5	0.1043E-10	60	0- 45	0.4171E-10	90-135	0.4163E-10
75-89.43	0.7822E-04	-7.5 TO 37.5	0.3496E-11	82.5-127.5	0.3488E-11	75	0- 45	0.2103E-10	90-135	0.2098E-10
0-15.00	0.1428E-04	-7.5 TO 52.5	0.2799E-10	82.5-142.5	0.2798E-10	0	0- 60	0.1139E-09	90-150	0.1139E-09
15-30.00	0.4185E-04	-7.5 TO 52.5	0.2602E-10	82.5-142.5	0.2599E-10	15	0- 60	0.1099E-09	90-150	0.1099E-09
30-45.00	0.6658E-04	-7.5 TO 52.5	0.2222E-10	82.5-142.5	0.2219E-10	30	0- 60	0.9819E-10	90-150	0.9807E-10
45-60.00	0.8677E-04	-7.5 TO 52.5	0.1690E-10	82.5-142.5	0.1687E-10	45	0- 60	0.7959E-10	90-150	0.7946E-10
60-75.00	0.1010E-03	-7.5 TO 52.5	0.1045E-10	82.5-142.5	0.1043E-10	60	0- 60	0.5561E-10	90-150	0.5550E-10
75-89.43	0.1043E-03	-7.5 TO 52.5	0.3495E-11	82.5-142.5	0.3487E-11	75	0- 60	0.2804E-10	90-150	0.2797E-10
0-15.00	0.1784E-04	-7.5 TO 67.5	0.2799E-10	82.5-157.5	0.2797E-10	0	0- 75	0.1424E-09	90-165	0.1424E-09
15-30.00	0.5232E-04	-7.5 TO 67.5	0.2601E-10	82.5-157.5	0.2599E-10	15	0- 75	0.1374E-09	90-165	0.1373E-09
30-45.00	0.8323E-04	-7.5 TO 67.5	0.2222E-10	82.5-157.5	0.2219E-10	30	0- 75	0.1227E-09	90-165	0.1226E-09
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1689E-10	82.5-157.5	0.1686E-10	45	0- 75	0.9948E-10	90-165	0.9932E-10
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1045E-10	82.5-157.5	0.1043E-10	60	0- 75	0.6950E-10	90-165	0.6936E-10
75-89.43	0.1304E-03	-7.5 TO 67.5	0.3495E-11	82.5-157.5	0.3487E-11	75	0- 75	0.3504E-10	90-165	0.3496E-10
0-15.00	0.2141E-04	-7.5 TO 82.5	0.2799E-10	82.5-172.5	0.2797E-10	0	0- 90	0.1709E-09	90-180	0.1709E-09
15-30.00	0.6278E-04	-7.5 TO 82.5	0.2601E-10	82.5-172.5	0.2599E-10	15	0- 90	0.1649E-09	90-180	0.1648E-09
30-45.00	0.9987E-04	-7.5 TO 82.5	0.2222E-10	82.5-172.5	0.2219E-10	30	0- 90	0.1473E-09	90-180	0.1471E-09
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1689E-10	82.5-172.5	0.1686E-10	45	0- 90	0.1194E-09	90-180	0.1192E-09
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1045E-10	82.5-172.5	0.1042E-10	60	0- 90	0.8339E-10	90-180	0.8322E-10
75-89.43	0.1564E-03	-7.5 TO 82.5	0.3494E-11	82.5-172.5	0.3486E-11	75	0- 90	0.4204E-10	90-180	0.4195E-10
0-15.00	0.2498E-04	-7.5 TO 97.5	0.2798E-10	82.5-187.5	0.2797E-10	0	0-105	0.1994E-09	90-195	0.1994E-09
15-30.00	0.7329E-04	-7.5 TO 97.5	0.2601E-10	82.5-187.5	0.2599E-10	15	0-105	0.1924E-09	90-195	0.1923E-09
30-45.00	0.1165E-03	-7.5 TO 97.5	0.2221E-10	82.5-187.5	0.2218E-10	30	0-105	0.1718E-09	90-195	0.1716E-09
45-60.00	0.1518E-03	-7.5 TO 97.5	0.1689E-10	82.5-187.5	0.1686E-10	45	0-105	0.1392E-09	90-195	0.1390E-09
60-75.00	0.1768E-03	-7.5 TO 97.5	0.1044E-10	82.5-187.5	0.1042E-10	60	0-105	0.9727E-10	90-195	0.9709E-10
75-89.43	0.1825E-03	-7.5 TO 97.5	0.3494E-11	82.5-187.5	0.3486E-11	75	0-105	0.4904E-10	90-195	0.4893E-10

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

r_2/r_1 = 0.01 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0050 $\cosh \mu_2$ = 4999.4999 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 149.99

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.1045E-09	82.5- 97.5	0.1044E-09	0	0- 15	0.1063E-09	90-105	0.1063E-09
15-30.00	0.1046E-04	-7.5 TO 7.5	0.9717E-10	82.5- 97.5	0.9703E-10	15	0- 15	0.1026E-09	90-105	0.1025E-09
30-45.00	0.1665E-04	-7.5 TO 7.5	0.8303E-10	82.5- 97.5	0.8285E-10	30	0- 15	0.9171E-10	90-105	0.9152E-10
45-60.00	0.2169E-04	-7.5 TO 7.5	0.6316E-10	82.5- 97.5	0.6298E-10	45	0- 15	0.7437E-10	90-105	0.7416E-10
60-75.00	0.2526E-04	-7.5 TO 7.5	0.3907E-10	82.5- 97.5	0.3894E-10	60	0- 15	0.5198E-10	90-105	0.5179E-10
75-89.43	0.2607E-04	-7.5 TO 7.5	0.1307E-10	82.5- 97.5	0.1302E-10	75	0- 15	0.2621E-10	90-105	0.2611E-10
0-15.00	0.7138E-05	-7.5 TO 22.5	0.1045E-09	82.5-112.5	0.1044E-09	0	0- 30	0.2126E-09	90-120	0.2126E-09
15-30.00	0.2093E-04	-7.5 TO 22.5	0.9717E-10	82.5-112.5	0.9701E-10	15	0- 30	0.2053E-09	90-120	0.2050E-09
30-45.00	0.3329E-04	-7.5 TO 22.5	0.8303E-10	82.5-112.5	0.8282E-10	30	0- 30	0.1834E-09	90-120	0.1830E-09
45-60.00	0.4339E-04	-7.5 TO 22.5	0.6316E-10	82.5-112.5	0.6295E-10	45	0- 30	0.1487E-09	90-120	0.1483E-09
60-75.00	0.5052E-04	-7.5 TO 22.5	0.3907E-10	82.5-112.5	0.3892E-10	60	0- 30	0.1040E-09	90-120	0.1035E-09
75-89.43	0.5214E-04	-7.5 TO 22.5	0.1307E-10	82.5-112.5	0.1302E-10	75	0- 30	0.5242E-10	90-120	0.5219E-10
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1045E-09	82.5-127.5	0.1044E-09	0	0- 45	0.3189E-09	90-135	0.3189E-09
15-30.00	0.3139E-04	-7.5 TO 37.5	0.9716E-10	82.5-127.5	0.9700E-10	15	0- 45	0.3079E-09	90-135	0.3075E-09
30-45.00	0.4994E-04	-7.5 TO 37.5	0.8302E-10	82.5-127.5	0.8280E-10	30	0- 45	0.2751E-09	90-135	0.2744E-09
45-60.00	0.6508E-04	-7.5 TO 37.5	0.6315E-10	82.5-127.5	0.6293E-10	45	0- 45	0.2231E-09	90-135	0.2223E-09
60-75.00	0.7578E-04	-7.5 TO 37.5	0.3906E-10	82.5-127.5	0.3890E-10	60	0- 45	0.1559E-09	90-135	0.1553E-09
75-89.43	0.7822E-04	-7.5 TO 37.5	0.1307E-10	82.5-127.5	0.1301E-10	75	0- 45	0.7862E-10	90-135	0.7826E-10
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1045E-09	82.5-142.5	0.1044E-09	0	0- 60	0.4252E-09	90-150	0.4252E-09
15-30.00	0.4185E-04	-7.5 TO 52.5	0.9715E-10	82.5-142.5	0.9698E-10	15	0- 60	0.4105E-09	90-150	0.4099E-09
30-45.00	0.6658E-04	-7.5 TO 52.5	0.8301E-10	82.5-142.5	0.8278E-10	30	0- 60	0.3667E-09	90-150	0.3658E-09
45-60.00	0.8677E-04	-7.5 TO 52.5	0.6314E-10	82.5-142.5	0.6291E-10	45	0- 60	0.2974E-09	90-150	0.2964E-09
60-75.00	0.1010E-03	-7.5 TO 52.5	0.3905E-10	82.5-142.5	0.3889E-10	60	0- 60	0.2078E-09	90-150	0.2069E-09
75-89.43	0.1043E-03	-7.5 TO 52.5	0.1307E-10	82.5-142.5	0.1301E-10	75	0- 60	0.1048E-09	90-150	0.1043E-09
0-15.00	0.1784E-04	-7.5 TO 67.5	0.1045E-09	82.5-157.5	0.1044E-09	0	0- 75	0.5315E-09	90-165	0.5315E-09
15-30.00	0.5232E-04	-7.5 TO 67.5	0.9714E-10	82.5-157.5	0.9697E-10	15	0- 75	0.5130E-09	90-165	0.5124E-09
30-45.00	0.8323E-04	-7.5 TO 67.5	0.8300E-10	82.5-157.5	0.8276E-10	30	0- 75	0.4583E-09	90-165	0.4572E-09
45-60.00	0.1085E-03	-7.5 TO 67.5	0.6312E-10	82.5-157.5	0.6289E-10	45	0- 75	0.3716E-09	90-165	0.3704E-09
60-75.00	0.1263E-03	-7.5 TO 67.5	0.3904E-10	82.5-157.5	0.3888E-10	60	0- 75	0.2597E-09	90-165	0.2586E-09
75-89.43	0.1304E-03	-7.5 TO 67.5	0.1306E-10	82.5-157.5	0.1300E-10	75	0- 75	0.1310E-09	90-165	0.1303E-09
0-15.00	0.2141E-04	-7.5 TO 82.5	0.1045E-09	82.5-172.5	0.1044E-09	0	0- 90	0.6378E-09	90-180	0.6378E-09
15-30.00	0.6278E-04	-7.5 TO 82.5	0.9713E-10	82.5-172.5	0.9695E-10	15	0- 90	0.6156E-09	90-180	0.6148E-09
30-45.00	0.9987E-04	-7.5 TO 82.5	0.8298E-10	82.5-172.5	0.8274E-10	30	0- 90	0.5499E-09	90-180	0.5486E-09
45-60.00	0.1302E-03	-7.5 TO 82.5	0.6311E-10	82.5-172.5	0.6288E-10	45	0- 90	0.4458E-09	90-180	0.4444E-09
60-75.00	0.1516E-03	-7.5 TO 82.5	0.3903E-10	82.5-172.5	0.3886E-10	60	0- 90	0.3115E-09	90-180	0.3103E-09
75-89.43	0.1564E-03	-7.5 TO 82.5	0.1306E-10	82.5-172.5	0.1300E-10	75	0- 90	0.1571E-09	90-180	0.1564E-09
0-15.00	0.2498E-04	-7.5 TO 97.5	0.1045E-09	82.5-187.5	0.1044E-09	0	0-105	0.7441E-09	90-195	0.7441E-09
15-30.00	0.7325E-04	-7.5 TO 97.5	0.9712E-10	82.5-187.5	0.9694E-10	15	0-105	0.7181E-09	90-195	0.7173E-09
30-45.00	0.1165E-03	-7.5 TO 97.5	0.8296E-10	82.5-187.5	0.8273E-10	30	0-105	0.6414E-09	90-195	0.6400E-09
45-60.00	0.1518E-03	-7.5 TO 97.5	0.6309E-10	82.5-187.5	0.6286E-10	45	0-105	0.5200E-09	90-195	0.5183E-09
60-75.00	0.1768E-03	-7.5 TO 97.5	0.3902E-10	82.5-187.5	0.3886E-10	60	0-105	0.3633E-09	90-195	0.3619E-09
75-89.43	0.1825E-03	-7.5 TO 97.5	0.1305E-10	82.5-187.5	0.1299E-10	75	0-105	0.1832E-09	90-195	0.1824E-09

r_2/r_1 = 0.01 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0050 $\cosh \mu_2$ = 4999.4999 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 134.99

0-15.00	0.3569E-05	-7.5 TO 7.5	0.2090E-09	82.5- 97.5	0.2088E-09	0	0- 15	0.2126E-09	90-105	0.2126E-09
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1945E-09	82.5- 97.5	0.1941E-09	15	0- 15	0.2054E-09	90-105	0.2050E-09
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1663E-09	82.5- 97.5	0.1657E-09	30	0- 15	0.1836E-09	90-105	0.1830E-09
45-60.00	0.2169E-04	-7.5 TO 7.5	0.1265E-09	82.5- 97.5	0.1259E-09	45	0- 15	0.1490E-09	90-105	0.1483E-09
60-75.00	0.2526E-04	-7.5 TO 7.5	0.7829E-10	82.5- 97.5	0.7787E-10	60	0- 15	0.1041E-09	90-105	0.1036E-09
75-89.43	0.2607E-04	-7.5 TO 7.5	0.2620E-10	82.5- 97.5	0.2605E-10	75	0- 15	0.5253E-10	90-105	0.5220E-10
0-15.00	0.7138E-05	-7.5 TO 22.5	0.2090E-09	82.5-112.5	0.2088E-09	0	0- 30	0.4252E-09	90-120	0.4252E-09
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1945E-09	82.5-112.5	0.1940E-09	15	0- 30	0.4107E-09	90-120	0.4100E-09
30-45.00	0.3329E-04	-7.5 TO 22.5	0.1663E-09	82.5-112.5	0.1656E-09	30	0- 30	0.3672E-09	90-120	0.3659E-09
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1265E-09	82.5-112.5	0.1259E-09	45	0- 30	0.2979E-09	90-120	0.2964E-09
60-75.00	0.5052E-04	-7.5 TO 22.5	0.7828E-10	82.5-112.5	0.7782E-10	60	0- 30	0.2083E-09	90-120	0.2070E-09
75-89.43	0.5214E-04	-7.5 TO 22.5	0.2620E-10	82.5-112.5	0.2603E-10	75	0- 30	0.1050E-09	90-120	0.1043E-09
0-15.00	0.1071E-04	-7.5 TO 37.5	0.2090E-09	82.5-127.5	0.2088E-09	0	0- 45	0.6378E-09	90-135	0.6378E-09
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1945E-09	82.5-127.5	0.1939E-09	15	0- 45	0.6160E-09	90-135	0.6148E-09
30-45.00	0.4994E-04	-7.5 TO 37.5	0.1662E-09	82.5-127.5	0.1655E-09	30	0- 45	0.5506E-09	90-135	0.5486E-09
45-60.00	0.6508E-04	-7.5 TO 37.5	0.1265E-09	82.5-127.5	0.1258E-09	45	0- 45	0.4467E-09	90-135	0.4444E-09
60-75.00	0.7578E-04	-7.5 TO 37.5	0.7826E-10	82.5-127.5	0.7777E-10	60	0- 45	0.3123E-09	90-135	0.3103E-09
75-89.43	0.7822E-04	-7.5 TO 37.5	0.2619E-10	82.5-127.5	0.2601E-10	75	0- 45	0.1575E-09	90-135	0.1564E-09
0-15.00	0.1428E-04	-7.5 TO 52.5	0.2090E-09	82.5-142.5	0.2087E-09	0	0- 60	0.8504E-09	90-150	0.8504E-09
15-30.00	0.4185E-04	-7.5 TO 52.5	0.1944E-09	82.5-142.5	0.1939E-09	15	0- 60	0.8213E-09	90-150	0.8197E-09
30-45.00	0.6658E-04	-7.5 TO 52.5	0.1662E-09	82.5-142.5	0.1655E-09	30	0- 60	0.7340E-09	90-150	0.7313E-09
45-60.00	0.8677E-04	-7.5 TO 52.5	0.1265E-09	82.5-142.5	0.1257E-09	45	0- 60	0.5955E-09	90-150	0.5923E-09
60-75.00	0.1010E-03	-7.5 TO 52.5	0.7824E-10	82.5-142.5	0.7772E-10	60	0- 60	0.4162E-09	90-150	0.4135E-09
75-89.43	0.1043E-03	-7.5 TO 52.5	0.2618E-10	82.5-142.5	0.2599E-10	75	0- 60	0.2099E-09	90-150	0.2084E-09
0-15.00	0.1784E-04	-7.5 TO 67.5	0.2090E-09	82.5-157.5	0.2087E-09	0	0- 75	0.1063E-08	90-165	0.1063E-08
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1944E-09	82.5-157.5	0.1938E-09	15	0- 75	0.1026E-08	90-165	0.1024E-08
30-45.00	0.8323E-04	-7.5 TO 67.5	0.1662E-09	82.5-157.5	0.1654E-09	30	0- 75	0.9173E-09	90-165	0.9138E-09
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1264E-09	82.5-157.5	0.1257E-09	45	0- 75	0.7441E-09	90-165	0.7401E-09
60-75.00	0.1263E-03	-7.5 TO 67.5	0.7821E-10	82.5-157.5	0.7768E-10	60	0- 75	0.5201E-09	90-165	0.5167E-09
75-89.43	0.1304E-03	-7.5 TO 67.5	0.2617E-10	82.5-157.5	0.2597E-10	75	0- 75	0.2623E-09	90-165	0.2604E-09
0-15.00	0.2141E-04	-7.5 TO 82.5	0.2090E-09	82.5-172.5	0.2087E-09	0	0- 90	0.1276E-08	90-180	0.1276E-08
15-30.00	0.6278E-04	-7.5 TO 82.5	0.1944E-09	82.5-172.5	0.1938E-09	15	0- 90	0.1232E-08	90-180	0.1229E-08
30-45.00	0.9987E-04	-7.5 TO 82.5	0.1661E-09	82.5-172.5	0.1654E-09	30	0- 90	0.1100E-08	90-180	0.1096E-08
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1264E-09	82.5-172.5	0.1256E-09	45	0- 90	0.8925E-09	90-180	0.8878E-09
60-75.00	0.1516E-03	-7.5 TO 82.5	0.7817E-10	82.5-172.5	0.7764E-10	60	0- 90	0.6238E-09	90-180	0.6198E-09
75-89.43	0.1564E-03	-7.5 TO 82.5	0.2616E-10	82.5-172.5	0.2596E-10	75	0- 90	0.3146E-09	90-180	0.3123E-09
0-15.00	0.2498E-04	-7.5 TO 97.5	0.2090E-09	82.5-187.5	0.2087E-09	0	0-105	0.1488E-08	90-195	0.1488E-08
15-30.00	0.7325E-04	-7.5 TO 97.5	0.1943E-09	82.5-187.5	0.1938E-09	15	0-105	0.1437E-08	90-195	0.1434E-08
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1660E-09	82.5-187.5	0.1653E-09	30	0-105	0.1283E-08	90-195	0.1279E-08
45-60.00	0.1518E-03	-7.5 TO 97.5	0.1263E-09	82.5-187.5	0.1256E-09	45	0-105	0.1041E-08	90-195	0.1036E-08
60-75.00	0.1768E-03	-7.5 TO 97.5	0.7813E-10	82.5-187.5	0.7762E-10	60	0-105	0.7273E-09	90-195	0.7229E-09
75-89.43	0.1825E-03	-7.5 TO 97.5	0.2614E-10	82.5-187.5	0.2595E-10	75	0-105	0.3668E-09	90-195	0.3642E-09

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0050$ $\cosh \mu_2 = 4999.4999$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 119.99$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.3137E-09	82.5- 97.5	0.3132E-09	0	0- 15	0.3189E-09	90-105	0.3189E-09
15-30.00	0.1046E-04	-7.5 TO 7.5	0.2920E-09	82.5- 97.5	0.2911E-09	15	0- 15	0.3082E-09	90-105	0.3075E-09
30-45.00	0.1665E-04	-7.5 TO 7.5	0.2498E-09	82.5- 97.5	0.2485E-09	30	0- 15	0.2757E-09	90-105	0.2744E-09
45-60.00	0.2169E-04	-7.5 TO 7.5	0.1902E-09	82.5- 97.5	0.1889E-09	45	0- 15	0.2238E-09	90-105	0.2226E-09
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1177E-09	82.5- 97.5	0.1168E-09	60	0- 15	0.1565E-09	90-105	0.1553E-09
75-89.43	0.2607E-04	-7.5 TO 7.5	0.3940E-10	82.5- 97.5	0.3907E-10	75	0- 15	0.7899E-10	90-105	0.7827E-10
0-15.00	0.7138E-05	-7.5 TO 22.5	0.3137E-09	82.5-112.5	0.3132E-09	0	0- 30	0.6378E-09	90-120	0.6378E-09
15-30.00	0.2093E-04	-7.5 TO 22.5	0.2920E-09	82.5-112.5	0.2909E-09	15	0- 30	0.6164E-09	90-120	0.6148E-09
30-45.00	0.3329E-04	-7.5 TO 22.5	0.2498E-09	82.5-112.5	0.2484E-09	30	0- 30	0.5514E-09	90-120	0.5486E-09
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1901E-09	82.5-112.5	0.1888E-09	45	0- 30	0.4476E-09	90-120	0.4444E-09
60-75.00	0.5052E-04	-7.5 TO 22.5	0.1177E-09	82.5-112.5	0.1167E-09	60	0- 30	0.3130E-09	90-120	0.3103E-09
75-89.43	0.5214E-04	-7.5 TO 22.5	0.3939E-10	82.5-112.5	0.3902E-10	75	0- 30	0.1579E-09	90-120	0.1564E-09
0-15.00	0.1071E-04	-7.5 TO 37.5	0.3136E-09	82.5-127.5	0.3131E-09	0	0- 45	0.9566E-09	90-135	0.9566E-09
15-30.00	0.3139E-04	-7.5 TO 37.5	0.2920E-09	82.5-127.5	0.2908E-09	15	0- 45	0.9245E-09	90-135	0.9220E-09
30-45.00	0.4994E-04	-7.5 TO 37.5	0.2497E-09	82.5-127.5	0.2482E-09	30	0- 45	0.8269E-09	90-135	0.8225E-09
45-60.00	0.6508E-04	-7.5 TO 37.5	0.1901E-09	82.5-127.5	0.1886E-09	45	0- 45	0.6711E-09	90-135	0.6661E-09
60-75.00	0.7578E-04	-7.5 TO 37.5	0.1176E-09	82.5-127.5	0.1166E-09	60	0- 45	0.4693E-09	90-135	0.4651E-09
75-89.43	0.7822E-04	-7.5 TO 37.5	0.3938E-10	82.5-127.5	0.3898E-10	75	0- 45	0.2368E-09	90-135	0.2344E-09
0-15.00	0.1428E-04	-7.5 TO 52.5	0.3136E-09	82.5-142.5	0.3131E-09	0	0- 60	0.1276E-08	90-150	0.1276E-08
15-30.00	0.4185E-04	-7.5 TO 52.5	0.2919E-09	82.5-142.5	0.2907E-09	15	0- 60	0.1233E-08	90-150	0.1229E-08
30-45.00	0.6658E-04	-7.5 TO 52.5	0.2496E-09	82.5-142.5	0.2481E-09	30	0- 60	0.1102E-08	90-150	0.1096E-08
45-60.00	0.8677E-04	-7.5 TO 52.5	0.1900E-09	82.5-142.5	0.1885E-09	45	0- 60	0.8945E-09	90-150	0.8876E-09
60-75.00	0.1010E-03	-7.5 TO 52.5	0.1176E-09	82.5-142.5	0.1165E-09	60	0- 60	0.6255E-09	90-150	0.6196E-09
75-89.43	0.1043E-03	-7.5 TO 52.5	0.3936E-10	82.5-142.5	0.3895E-10	75	0- 60	0.3155E-09	90-150	0.3122E-09
0-15.00	0.1784E-04	-7.5 TO 67.5	0.3136E-09	82.5-157.5	0.3130E-09	0	0- 75	0.1594E-08	90-165	0.1594E-08
15-30.00	0.5232E-04	-7.5 TO 67.5	0.2918E-09	82.5-157.5	0.2906E-09	15	0- 75	0.1540E-08	90-165	0.1536E-08
30-45.00	0.8323E-04	-7.5 TO 67.5	0.2495E-09	82.5-157.5	0.2479E-09	30	0- 75	0.1377E-08	90-165	0.1370E-08
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1899E-09	82.5-157.5	0.1883E-09	45	0- 75	0.1118E-08	90-165	0.1109E-08
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1175E-09	82.5-157.5	0.1164E-09	60	0- 75	0.7813E-09	90-165	0.7740E-09
75-89.43	0.1304E-03	-7.5 TO 67.5	0.3933E-10	82.5-157.5	0.3891E-10	75	0- 75	0.3941E-09	90-165	0.3900E-09
0-15.00	0.2141E-04	-7.5 TO 82.5	0.3135E-09	82.5-172.5	0.3130E-09	0	0- 90	0.1913E-08	90-180	0.1913E-08
15-30.00	0.6278E-04	-7.5 TO 82.5	0.2917E-09	82.5-172.5	0.2906E-09	15	0- 90	0.1848E-08	90-180	0.1843E-08
30-45.00	0.9987E-04	-7.5 TO 82.5	0.2494E-09	82.5-172.5	0.2478E-09	30	0- 90	0.1652E-08	90-180	0.1643E-08
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1898E-09	82.5-172.5	0.1882E-09	45	0- 90	0.1340E-08	90-180	0.1330E-08
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1174E-09	82.5-172.5	0.1163E-09	60	0- 90	0.9369E-09	90-180	0.9283E-09
75-89.43	0.1564E-03	-7.5 TO 82.5	0.3930E-10	82.5-172.5	0.3889E-10	75	0- 90	0.4726E-09	90-180	0.4677E-09
0-15.00	0.2498E-04	-7.5 TO 97.5	0.3135E-09	82.5-187.5	0.3130E-09	0	0-105	0.2232E-08	90-195	0.2232E-08
15-30.00	0.7325E-04	-7.5 TO 97.5	0.2917E-09	82.5-187.5	0.2905E-09	15	0-105	0.2156E-08	90-195	0.2150E-08
30-45.00	0.1165E-03	-7.5 TO 97.5	0.2493E-09	82.5-187.5	0.2478E-09	30	0-105	0.1926E-08	90-195	0.1917E-08
45-60.00	0.1518E-03	-7.5 TO 97.5	0.1897E-09	82.5-187.5	0.1882E-09	45	0-105	0.1563E-08	90-195	0.1551E-08
60-75.00	0.1768E-03	-7.5 TO 97.5	0.1174E-09	82.5-187.5	0.1163E-09	60	0-105	0.1092E-08	90-195	0.1083E-08
75-89.43	0.1825E-03	-7.5 TO 97.5	0.3927E-10	82.5-187.5	0.3886E-10	75	0-105	0.5508E-09	90-195	0.5454E-09

$r_2/r_1 = 0.01$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0050$ $\cosh \mu_2 = 4999.4999$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 104.99$

0-15.00	0.3569E-05	-7.5 TO 7.5	0.3904E-09	82.5- 97.5	0.3896E-09	0	0- 15	0.3967E-09	90-105	0.3967E-09
15-30.00	0.1046E-04	-7.5 TO 7.5	0.3637E-09	82.5- 97.5	0.3621E-09	15	0- 15	0.3837E-09	90-105	0.3825E-09
30-45.00	0.1665E-04	-7.5 TO 7.5	0.3113E-09	82.5- 97.5	0.3091E-09	30	0- 15	0.3435E-09	90-105	0.3413E-09
45-60.00	0.2169E-04	-7.5 TO 7.5	0.2371E-09	82.5- 97.5	0.2350E-09	45	0- 15	0.2791E-09	90-105	0.2765E-09
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1468E-09	82.5- 97.5	0.1453E-09	60	0- 15	0.1953E-09	90-105	0.1931E-09
75-89.43	0.2607E-04	-7.5 TO 7.5	0.4916E-10	82.5- 97.5	0.4860E-10	75	0- 15	0.9856E-10	90-105	0.9733E-10
0-15.00	0.7138E-05	-7.5 TO 22.5	0.3904E-09	82.5-112.5	0.3895E-09	0	0- 30	0.7933E-09	90-120	0.7933E-09
15-30.00	0.2093E-04	-7.5 TO 22.5	0.3637E-09	82.5-112.5	0.3619E-09	15	0- 30	0.7674E-09	90-120	0.7646E-09
30-45.00	0.3329E-04	-7.5 TO 22.5	0.3113E-09	82.5-112.5	0.3089E-09	30	0- 30	0.6869E-09	90-120	0.6822E-09
45-60.00	0.4339E-04	-7.5 TO 22.5	0.2371E-09	82.5-112.5	0.2347E-09	45	0- 30	0.5580E-09	90-120	0.5525E-09
60-75.00	0.5052E-04	-7.5 TO 22.5	0.1468E-09	82.5-112.5	0.1451E-09	60	0- 30	0.3904E-09	90-120	0.3857E-09
75-89.43	0.5214E-04	-7.5 TO 22.5	0.4915E-10	82.5-112.5	0.4852E-10	75	0- 30	0.1970E-09	90-120	0.1944E-09
0-15.00	0.1071E-04	-7.5 TO 37.5	0.3904E-09	82.5-127.5	0.3894E-09	0	0- 45	0.1190E-08	90-135	0.1190E-08
15-30.00	0.3139E-04	-7.5 TO 37.5	0.3636E-09	82.5-127.5	0.3617E-09	15	0- 45	0.1151E-08	90-135	0.1147E-08
30-45.00	0.4994E-04	-7.5 TO 37.5	0.3112E-09	82.5-127.5	0.3086E-09	30	0- 45	0.1030E-08	90-135	0.1023E-08
45-60.00	0.6508E-04	-7.5 TO 37.5	0.2370E-09	82.5-127.5	0.2345E-09	45	0- 45	0.8366E-09	90-135	0.8279E-09
60-75.00	0.7578E-04	-7.5 TO 37.5	0.1467E-09	82.5-127.5	0.1449E-09	60	0- 45	0.5853E-09	90-135	0.5779E-09
75-89.43	0.7822E-04	-7.5 TO 37.5	0.4913E-10	82.5-127.5	0.4846E-10	75	0- 45	0.2954E-09	90-135	0.2912E-09
0-15.00	0.1428E-04	-7.5 TO 52.5	0.3903E-09	82.5-142.5	0.3894E-09	0	0- 60	0.1587E-08	90-150	0.1587E-08
15-30.00	0.4185E-04	-7.5 TO 52.5	0.3635E-09	82.5-142.5	0.3615E-09	15	0- 60	0.1534E-08	90-150	0.1528E-08
30-45.00	0.6658E-04	-7.5 TO 52.5	0.3111E-09	82.5-142.5	0.3084E-09	30	0- 60	0.1373E-08	90-150	0.1363E-08
45-60.00	0.8677E-04	-7.5 TO 52.5	0.2369E-09	82.5-142.5	0.2342E-09	45	0- 60	0.1115E-08	90-150	0.1103E-08
60-75.00	0.1010E-03	-7.5 TO 52.5	0.1467E-09	82.5-142.5	0.1447E-09	60	0- 60	0.7798E-09	90-150	0.7697E-09
75-89.43	0.1043E-03	-7.5 TO 52.5	0.4910E-10	82.5-142.5	0.4839E-10	75	0- 60	0.3935E-09	90-150	0.3878E-09
0-15.00	0.1784E-04	-7.5 TO 67.5	0.3903E-09	82.5-157.5	0.3893E-09	0	0- 75	0.1983E-08	90-165	0.1983E-08
15-30.00	0.5232E-04	-7.5 TO 67.5	0.3634E-09	82.5-157.5	0.3613E-09	15	0- 75	0.1917E-08	90-165	0.1910E-08
30-45.00	0.8323E-04	-7.5 TO 67.5	0.3109E-09	82.5-157.5	0.3081E-09	30	0- 75	0.1715E-08	90-165	0.1702E-08
45-60.00	0.1085E-03	-7.5 TO 67.5	0.2367E-09	82.5-157.5	0.2340E-09	45	0- 75	0.1392E-08	90-165	0.1378E-08
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1465E-09	82.5-157.5	0.1446E-09	60	0- 75	0.9739E-09	90-165	0.9613E-09
75-89.43	0.1304E-03	-7.5 TO 67.5	0.4905E-10	82.5-157.5	0.4834E-10	75	0- 75	0.4914E-09	90-165	0.4843E-09
0-15.00	0.2141E-04	-7.5 TO 82.5	0.3902E-09	82.5-172.5	0.3892E-09	0	0- 90	0.2380E-08	90-180	0.2380E-08
15-30.00	0.6278E-04	-7.5 TO 82.5	0.3632E-09	82.5-172.5	0.3612E-09	15	0- 90	0.2300E-08	90-180	0.2291E-08
30-45.00	0.9987E-04	-7.5 TO 82.5	0.3107E-09	82.5-172.5	0.3080E-09	30	0- 90	0.2057E-08	90-180	0.2042E-08
45-60.00	0.1302E-03	-7.5 TO 82.5	0.2365E-09	82.5-172.5	0.2338E-09	45	0- 90	0.1670E-08	90-180	0.1652E-08
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1464E-09	82.5-172.5	0.1445E-09	60	0- 90	0.1168E-08	90-180	0.1153E-08
75-89.43	0.1564E-03	-7.5 TO 82.5	0.4900E-10	82.5-172.5	0.4829E-10	75	0- 90	0.5890E-09	90-180	0.5806E-09
0-15.00	0.2498E-04	-7.5 TO 97.5	0.3901E-09	82.5-187.5	0.3892E-09	0	0-105	0.2777E-08	90-195	0.2777E-08
15-30.00	0.7325E-04	-7.5 TO 97.5	0.3631E-09	82.5-187.5	0.3611E-09	15	0-105	0.2683E-08	90-195	0.2673E-08
30-45.00	0.1165E-03	-7.5 TO 97.5	0.3105E-09	82.5-187.5	0.3078E-09	30	0-105	0.2398E-08	90-195	0.2382E-08
45-60.00	0.1518E-03	-7.5 TO 97.5	0.2363E-09	82.5-187.5	0.2337E-09	45	0-105	0.1946E-08	90-195	0.1927E-08
60-75.00	0.1768E-03	-7.5 TO 97.5	0.1462E-09	82.5-187.5	0.1444E-09	60	0-105	0.1361E-08	90-195	0.1344E-08
75-89.43	0.1825E-03	-7.5 TO 97.5	0.4894E-10	82.5-187.5	0.4825E-10	75	0-105	0.6863E-09	90-195	0.6770E-09

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(a) Concluded. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0050$ $\cosh \mu_2 = 4999.4999$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 89.99$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.4187E-09	82.5- 97.5	0.4176E-09	0	0- 15	0.4251E-09	90-105	0.4251E-09
15-30.00	0.1046E-04	-7.5 TO 7.5	0.3905E-09	82.5- 97.5	0.3881E-09	15	0- 15	0.4117E-09	90-105	0.4098E-09
30-45.00	0.1665E-04	-7.5 TO 7.5	0.3345E-09	82.5- 97.5	0.3313E-09	30	0- 15	0.3690E-09	90-105	0.3657E-09
45-60.00	0.2169E-04	-7.5 TO 7.5	0.2550E-09	82.5- 97.5	0.2519E-09	45	0- 15	0.3000E-09	90-105	0.2962E-09
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1580E-09	82.5- 97.5	0.1557E-09	60	0- 15	0.2101E-09	90-105	0.2069E-09
75-89.43	0.2607E-04	-7.5 TO 7.5	0.5291E-10	82.5- 97.5	0.5208E-10	75	0- 15	0.1061E-09	90-105	0.1043E-09
0-15.00	0.7138E-05	-7.5 TO 22.5	0.4187E-09	82.5-112.5	0.4174E-09	0	0- 30	0.8503E-09	90-120	0.8503E-09
15-30.00	0.2093E-04	-7.5 TO 22.5	0.3904E-09	82.5-112.5	0.3877E-09	15	0- 30	0.8234E-09	90-120	0.8193E-09
30-45.00	0.3329E-04	-7.5 TO 22.5	0.3345E-09	82.5-112.5	0.3309E-09	30	0- 30	0.7377E-09	90-120	0.7307E-09
45-60.00	0.4339E-04	-7.5 TO 22.5	0.2550E-09	82.5-112.5	0.2515E-09	45	0- 30	0.5997E-09	90-120	0.5917E-09
60-75.00	0.5052E-04	-7.5 TO 22.5	0.1579E-09	82.5-112.5	0.1554E-09	60	0- 30	0.4199E-09	90-120	0.4130E-09
75-89.43	0.5214E-04	-7.5 TO 22.5	0.5290E-10	82.5-112.5	0.5198E-10	75	0- 30	0.2120E-09	90-120	0.2081E-09
0-15.00	0.1071E-04	-7.5 TO 37.5	0.4187E-09	82.5-127.5	0.4173E-09	0	0- 45	0.1275E-08	90-135	0.1275E-08
15-30.00	0.3139E-04	-7.5 TO 37.5	0.3903E-09	82.5-127.5	0.3874E-09	15	0- 45	0.1235E-08	90-135	0.1228E-08
30-45.00	0.4994E-04	-7.5 TO 37.5	0.3343E-09	82.5-127.5	0.3305E-09	30	0- 45	0.1106E-08	90-135	0.1095E-08
45-60.00	0.6508E-04	-7.5 TO 37.5	0.2548E-09	82.5-127.5	0.2511E-09	45	0- 45	0.8991E-09	90-135	0.8863E-09
60-75.00	0.7578E-04	-7.5 TO 37.5	0.1579E-09	82.5-127.5	0.1552E-09	60	0- 45	0.6294E-09	90-135	0.6185E-09
75-89.43	0.7822E-04	-7.5 TO 37.5	0.5286E-10	82.5-127.5	0.5188E-10	75	0- 45	0.3178E-09	90-135	0.3116E-09
0-15.00	0.1428E-04	-7.5 TO 52.5	0.4186E-09	82.5-142.5	0.4172E-09	0	0- 60	0.1701E-08	90-150	0.1701E-08
15-30.00	0.4185E-04	-7.5 TO 52.5	0.3902E-09	82.5-142.5	0.3872E-09	15	0- 60	0.1646E-08	90-150	0.1637E-08
30-45.00	0.6658E-04	-7.5 TO 52.5	0.3342E-09	82.5-142.5	0.3302E-09	30	0- 60	0.1474E-08	90-150	0.1459E-08
45-60.00	0.8677E-04	-7.5 TO 52.5	0.2546E-09	82.5-142.5	0.2507E-09	45	0- 60	0.1198E-08	90-150	0.1180E-08
60-75.00	0.1010E-03	-7.5 TO 52.5	0.1577E-09	82.5-142.5	0.1549E-09	60	0- 60	0.8384E-09	90-150	0.8235E-09
75-89.43	0.1043E-03	-7.5 TO 52.5	0.5282E-10	82.5-142.5	0.5178E-10	75	0- 60	0.4232E-09	90-150	0.4148E-09
0-15.00	0.1784E-04	-7.5 TO 67.5	0.4185E-09	82.5-157.5	0.4171E-09	0	0- 75	0.2126E-08	90-165	0.2126E-08
15-30.00	0.5232E-04	-7.5 TO 67.5	0.3900E-09	82.5-157.5	0.3869E-09	15	0- 75	0.2057E-08	90-165	0.2046E-08
30-45.00	0.8323E-04	-7.5 TO 67.5	0.3339E-09	82.5-157.5	0.3298E-09	30	0- 75	0.1841E-08	90-165	0.1822E-08
45-60.00	0.1085E-03	-7.5 TO 67.5	0.2544E-09	82.5-157.5	0.2504E-09	45	0- 75	0.1496E-08	90-165	0.1474E-08
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1576E-09	82.5-157.5	0.1547E-09	60	0- 75	0.1047E-08	90-165	0.1028E-08
75-89.43	0.1304E-03	-7.5 TO 67.5	0.5275E-10	82.5-157.5	0.5170E-10	75	0- 75	0.5283E-09	90-165	0.5178E-09
0-15.00	0.2141E-04	-7.5 TO 82.5	0.4184E-09	82.5-172.5	0.4170E-09	0	0- 90	0.2551E-08	90-180	0.2551E-08
15-30.00	0.6278E-04	-7.5 TO 82.5	0.3898E-09	82.5-172.5	0.3867E-09	15	0- 90	0.2467E-08	90-180	0.2454E-08
30-45.00	0.9987E-04	-7.5 TO 82.5	0.3336E-09	82.5-172.5	0.3296E-09	30	0- 90	0.2208E-08	90-180	0.2185E-08
45-60.00	0.1302E-03	-7.5 TO 82.5	0.2541E-09	82.5-172.5	0.2501E-09	45	0- 90	0.1793E-08	90-180	0.1767E-08
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1573E-09	82.5-172.5	0.1545E-09	60	0- 90	0.1254E-08	90-180	0.1233E-08
75-89.43	0.1564E-03	-7.5 TO 82.5	0.5268E-10	82.5-172.5	0.5163E-10	75	0- 90	0.6330E-09	90-180	0.6206E-09
0-15.00	0.2498E-04	-7.5 TO 97.5	0.4183E-09	82.5-187.5	0.4169E-09	0	0-105	0.2976E-08	90-195	0.2976E-08
15-30.00	0.7325E-04	-7.5 TO 97.5	0.3895E-09	82.5-187.5	0.3866E-09	15	0-105	0.2877E-08	90-195	0.2862E-08
30-45.00	0.1165E-03	-7.5 TO 97.5	0.3333E-09	82.5-187.5	0.3294E-09	30	0-105	0.2573E-08	90-195	0.2549E-08
45-60.00	0.1518E-03	-7.5 TO 97.5	0.2538E-09	82.5-187.5	0.2499E-09	45	0-105	0.2089E-08	90-195	0.2061E-08
60-75.00	0.1768E-03	-7.5 TO 97.5	0.1571E-09	82.5-187.5	0.1543E-09	60	0-105	0.1461E-08	90-195	0.1437E-08
75-89.43	0.1825E-03	-7.5 TO 97.5	0.5259E-10	82.5-187.5	0.5158E-10	75	0-105	0.7372E-09	90-195	0.7235E-09

$r_2/r_1 = 0.01$ $d/r_1 = 100.00$ $\cosh \mu_1 = 50.0050$ $\cosh \mu_2 = 4999.4999$ $\alpha_{2,max} = 90.57$ $\theta_{2,min} = 89.42$

0-15.00	0.3569E-05	-7.5 TO 7.5	0.4187E-09	82.5- 97.5	0.4176E-09	0	0- 15	0.4251E-09	90-105	0.4251E-09
15-30.00	0.1046E-04	-7.5 TO 7.5	0.3905E-09	82.5- 97.5	0.3881E-09	15	0- 15	0.4117E-09	90-105	0.4098E-09
30-45.00	0.1665E-04	-7.5 TO 7.5	0.3345E-09	82.5- 97.5	0.3313E-09	30	0- 15	0.3690E-09	90-105	0.3657E-09
45-60.00	0.2169E-04	-7.5 TO 7.5	0.2550E-09	82.5- 97.5	0.2519E-09	45	0- 15	0.3000E-09	90-105	0.2962E-09
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1580E-09	82.5- 97.5	0.1557E-09	60	0- 15	0.2101E-09	90-105	0.2069E-09
75-89.43	0.2607E-04	-7.5 TO 7.5	0.5292E-10	82.5- 97.5	0.5208E-10	75	0- 15	0.1061E-09	90-105	0.1043E-09
0-15.00	0.7138E-05	-7.5 TO 22.5	0.4187E-09	82.5-112.5	0.4174E-09	0	0- 30	0.8503E-09	90-120	0.8503E-09
15-30.00	0.2093E-04	-7.5 TO 22.5	0.3904E-09	82.5-112.5	0.3877E-09	15	0- 30	0.8234E-09	90-120	0.8193E-09
30-45.00	0.3329E-04	-7.5 TO 22.5	0.3345E-09	82.5-112.5	0.3309E-09	30	0- 30	0.7378E-09	90-120	0.7307E-09
45-60.00	0.4339E-04	-7.5 TO 22.5	0.2550E-09	82.5-112.5	0.2515E-09	45	0- 30	0.5998E-09	90-120	0.5917E-09
60-75.00	0.5052E-04	-7.5 TO 22.5	0.1580E-09	82.5-112.5	0.1554E-09	60	0- 30	0.4199E-09	90-120	0.4130E-09
75-89.43	0.5214E-04	-7.5 TO 22.5	0.5290E-10	82.5-112.5	0.5198E-10	75	0- 30	0.2120E-09	90-120	0.2081E-09
0-15.00	0.1071E-04	-7.5 TO 37.5	0.4187E-09	82.5-127.5	0.4173E-09	0	0- 45	0.1275E-08	90-135	0.1275E-08
15-30.00	0.3139E-04	-7.5 TO 37.5	0.3903E-09	82.5-127.5	0.3874E-09	15	0- 45	0.1235E-08	90-135	0.1228E-08
30-45.00	0.4994E-04	-7.5 TO 37.5	0.3344E-09	82.5-127.5	0.3305E-09	30	0- 45	0.1106E-08	90-135	0.1095E-08
45-60.00	0.6508E-04	-7.5 TO 37.5	0.2548E-09	82.5-127.5	0.2511E-09	45	0- 45	0.8991E-09	90-135	0.8863E-09
60-75.00	0.7578E-04	-7.5 TO 37.5	0.1579E-09	82.5-127.5	0.1552E-09	60	0- 45	0.6294E-09	90-135	0.6185E-09
75-89.43	0.7822E-04	-7.5 TO 37.5	0.5287E-10	82.5-127.5	0.5188E-10	75	0- 45	0.3178E-09	90-135	0.3116E-09
0-15.00	0.1428E-04	-7.5 TO 52.5	0.4186E-09	82.5-142.5	0.4172E-09	0	0- 60	0.1701E-08	90-150	0.1701E-08
15-30.00	0.4185E-04	-7.5 TO 52.5	0.3902E-09	82.5-142.5	0.3872E-09	15	0- 60	0.1646E-08	90-150	0.1637E-08
30-45.00	0.6658E-04	-7.5 TO 52.5	0.3342E-09	82.5-142.5	0.3302E-09	30	0- 60	0.1474E-08	90-150	0.1459E-08
45-60.00	0.8677E-04	-7.5 TO 52.5	0.2547E-09	82.5-142.5	0.2507E-09	45	0- 60	0.1198E-08	90-150	0.1180E-08
60-75.00	0.1010E-03	-7.5 TO 52.5	0.1577E-09	82.5-142.5	0.1549E-09	60	0- 60	0.8384E-09	90-150	0.8235E-09
75-89.43	0.1043E-03	-7.5 TO 52.5	0.5282E-10	82.5-142.5	0.5178E-10	75	0- 60	0.4232E-09	90-150	0.4148E-09
0-15.00	0.1784E-04	-7.5 TO 67.5	0.4185E-09	82.5-157.5	0.4171E-09	0	0- 75	0.2126E-08	90-165	0.2126E-08
15-30.00	0.5232E-04	-7.5 TO 67.5	0.3900E-09	82.5-157.5	0.3869E-09	15	0- 75	0.2057E-08	90-165	0.2046E-08
30-45.00	0.8323E-04	-7.5 TO 67.5	0.3339E-09	82.5-157.5	0.3298E-09	30	0- 75	0.1841E-08	90-165	0.1822E-08
45-60.00	0.1085E-03	-7.5 TO 67.5	0.2544E-09	82.5-157.5	0.2504E-09	45	0- 75	0.1496E-08	90-165	0.1474E-08
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1576E-09	82.5-157.5	0.1547E-09	60	0- 75	0.1047E-08	90-165	0.1028E-08
75-89.43	0.1304E-03	-7.5 TO 67.5	0.5276E-10	82.5-157.5	0.5170E-10	75	0- 75	0.5283E-09	90-165	0.5178E-09
0-15.00	0.2141E-04	-7.5 TO 82.5	0.4184E-09	82.5-172.5	0.4170E-09	0	0- 90	0.2551E-08	90-180	0.2551E-08
15-30.00	0.6278E-04	-7.5 TO 82.5	0.3898E-09	82.5-172.5	0.3867E-09	15	0- 90	0.2467E-08	90-180	0.2454E-08
30-45.00	0.9987E-04	-7.5 TO 82.5	0.3336E-09	82.5-172.5	0.3296E-09	30	0- 90	0.2208E-08	90-180	0.2185E-08
45-60.00	0.1302E-03	-7.5 TO 82.5	0.2541E-09	82.5-172.5	0.2501E-09	45	0- 90	0.1793E-08	90-180	0.1767E-08
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1574E-09	82.5-172.5	0.1545E-09	60	0- 90	0.1254E-08	90-180	0.1233E-08
75-89.43	0.1564E-03	-7.5 TO 82.5	0.5268E-10	82.5-172.5	0.5163E-10	75	0- 90	0.6330E-09	90-180	0.6206E-09
0-15.00	0.2498E-04	-7.5 TO 97.5	0.4183E-09	82.5-187.5	0.4169E-09	0	0-105	0.2976E-08	90-195	0.2976E-08
15-30.00	0.7325E-04	-7.5 TO 97.5	0.3895E-09	82.5-187.5	0.3866E-09	15	0-105	0.2877E-08	90-195	0.2862E-08
30-45.00	0.1165E-03	-7.5 TO 97.5	0.3333E-09	82.5-187.5	0.3294E-09	30	0-105	0.2573E-08	90-195	0.2549E-08
45-60.00	0.1518E-03	-7.5 TO 97.5	0.2538E-09	82.5-187.5	0.2499E-09	45	0-105	0.2089E-08	90-195	0.2061E-08
60-75.00	0.1768E-03	-7.5 TO 97.5	0.1571E-09	82.5-187.5	0.1543E-09	60	0-105	0.1461E-08	90-195	0.1437E-08
75-89.43	0.1825E-03	-7.5 TO 97.5	0.5259E-10	82.5-187.5	0.5158E-10	75	0-105	0.7372E-09	90-195	0.7235E-09

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Radius ratio, r_2/r_1, 0.10

$r_2/r_1 = 0.10$ $d/r_1 = 1.101$ $\cosh \mu_1 = 1.0001$ $\cosh \mu_2 = 1.0091$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 54.12$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.4887E 02	-7.5 TO 7.5	0.5482E-02	82.5- 97.5	0.3232E-05	0	0- 15	0.4085E-01	90-105	0.4085E-01
15-30.00	0.1433E 03	-7.5 TO 7.5	0.	82.5- 97.5	0.	15	0- 15	0.	90-105	0.
30-35.17	0.6968E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	30	0- 15	0.	90-105	0.
0-15.00	0.9774E 02	-7.5 TO 22.5	0.3634E-02	82.5-112.5	0.2567E-05	0	0- 30	0.8169E-01	90-120	0.8169E-01
15-30.00	0.2866E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	15	0- 30	0.	90-120	0.
30-35.17	0.1394E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	30	0- 30	0.	90-120	0.
0-15.00	0.1466E 03	-7.5 TO 37.5	0.2508E-02	82.5-127.5	0.2162E-05	0	0- 45	0.1225E 00	90-135	0.1225E 00
15-30.00	0.4298E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	15	0- 45	0.	90-135	0.
30-35.17	0.2090E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	30	0- 45	0.	90-135	0.
0-15.00	0.1955E 03	-7.5 TO 52.5	0.1897E-02	82.5-142.5	0.1888E-05	0	0- 60	0.1634E 00	90-150	0.1634E 00
15-30.00	0.5731E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	15	0- 60	0.	90-150	0.
30-35.17	0.2787E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	30	0- 60	0.	90-150	0.
0-15.00	0.2443E 03	-7.5 TO 67.5	0.1522E-02	82.5-157.5	0.1692E-05	0	0- 75	0.2042E 00	90-165	0.2042E 00
15-30.00	0.7164E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	15	0- 75	0.	90-165	0.
30-35.17	0.3484E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	30	0- 75	0.	90-165	0.
0-15.00	0.2932E 03	-7.5 TO 82.5	0.1270E-02	82.5-172.5	0.1547E-05	0	0- 90	0.2451E 00	90-180	0.2451E 00
15-30.00	0.8597E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	15	0- 90	0.	90-180	0.
30-35.17	0.4181E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	30	0- 90	0.	90-180	0.
0-15.00	0.3421E 03	-7.5 TO 97.5	0.1089E-02	82.5-187.5	0.1440E-05	0	0-105	0.2859E 00	90-195	0.2859E 00
15-30.00	0.1003E 04	-7.5 TO 97.5	0.	82.5-187.5	0.	15	0-105	0.	90-195	0.
30-35.17	0.4878E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	30	0-105	0.	90-195	0.

$r_2/r_1 = 0.10$ $d/r_1 = 1.101$ $\cosh \mu_1 = 1.0001$ $\cosh \mu_2 = 1.0091$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 28.18$

0-15.00	0.4887E 02	-7.5 TO 7.5	0.1771E-01	82.5- 97.5	0.3615E-05	0	0- 15	0.4085E-01	90-105	0.4085E-01
15-30.00	0.1433E 03	-7.5 TO 7.5	0.	82.5- 97.5	0.	15	0- 15	0.	90-105	0.
30-35.17	0.6968E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	30	0- 15	0.	90-105	0.
0-15.00	0.9774E 02	-7.5 TO 22.5	0.1253E-01	82.5-112.5	0.2758E-05	0	0- 30	0.8169E-01	90-120	0.8169E-01
15-30.00	0.2866E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	15	0- 30	0.	90-120	0.
30-35.17	0.1394E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	30	0- 30	0.	90-120	0.
0-15.00	0.1466E 03	-7.5 TO 37.5	0.8834E-02	82.5-127.5	0.2290E-05	0	0- 45	0.1225E 00	90-135	0.1225E 00
15-30.00	0.4298E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	15	0- 45	0.	90-135	0.
30-35.17	0.2090E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	30	0- 45	0.	90-135	0.
0-15.00	0.1955E 03	-7.5 TO 52.5	0.6713E-02	82.5-142.5	0.1984E-05	0	0- 60	0.1634E 00	90-150	0.1634E 00
15-30.00	0.5731E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	15	0- 60	0.	90-150	0.
30-35.17	0.2787E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	30	0- 60	0.	90-150	0.
0-15.00	0.2443E 03	-7.5 TO 67.5	0.5388E-02	82.5-157.5	0.1768E-05	0	0- 75	0.2042E 00	90-165	0.2042E 00
15-30.00	0.7164E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	15	0- 75	0.	90-165	0.
30-35.17	0.3484E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	30	0- 75	0.	90-165	0.
0-15.00	0.2932E 03	-7.5 TO 82.5	0.4493E-02	82.5-172.5	0.1611E-05	0	0- 90	0.2451E 00	90-180	0.2451E 00
15-30.00	0.8597E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	15	0- 90	0.	90-180	0.
30-35.17	0.4181E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	30	0- 90	0.	90-180	0.
0-15.00	0.3421E 03	-7.5 TO 97.5	0.3852E-02	82.5-187.5	0.1495E-05	0	0-105	0.2859E 00	90-195	0.2859E 00
15-30.00	0.1003E 04	-7.5 TO 97.5	0.	82.5-187.5	0.	15	0-105	0.	90-195	0.
30-35.17	0.4878E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	30	0-105	0.	90-195	0.

$r_2/r_1 = 0.10$ $d/r_1 = 1.101$ $\cosh \mu_1 = 1.0001$ $\cosh \mu_2 = 1.0091$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 18.44$

0-15.00	0.4887E 02	-7.5 TO 7.5	0.3059E-01	82.5- 97.5	0.4171E-05	0	0- 15	0.4085E-01	90-105	0.4085E-01
15-30.00	0.1433E 03	-7.5 TO 7.5	0.2740E-05	82.5- 97.5	0.	15	0- 15	0.6020E-04	90-105	0.
30-35.17	0.6968E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	30	0- 15	0.	90-105	0.
0-15.00	0.9774E 02	-7.5 TO 22.5	0.2291E-01	82.5-112.5	0.3036E-05	0	0- 30	0.8169E-01	90-120	0.8169E-01
15-30.00	0.2866E 03	-7.5 TO 22.5	0.2467E-05	82.5-112.5	0.	15	0- 30	0.1029E-03	90-120	0.
30-35.17	0.1394E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	30	0- 30	0.	90-120	0.
0-15.00	0.1466E 03	-7.5 TO 37.5	0.1662E-01	82.5-127.5	0.2475E-05	0	0- 45	0.1225E 00	90-135	0.1225E 00
15-30.00	0.4298E 03	-7.5 TO 37.5	0.2012E-05	82.5-127.5	0.	15	0- 45	0.1234E-03	90-135	0.
30-35.17	0.2090E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	30	0- 45	0.	90-135	0.
0-15.00	0.1955E 03	-7.5 TO 52.5	0.1274E-01	82.5-142.5	0.2123E-05	0	0- 60	0.1634E 00	90-150	0.1634E 00
15-30.00	0.5731E 03	-7.5 TO 52.5	0.1599E-05	82.5-142.5	0.	15	0- 60	0.1292E-03	90-150	0.
30-35.17	0.2787E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	30	0- 60	0.	90-150	0.
0-15.00	0.2443E 03	-7.5 TO 67.5	0.1024E-01	82.5-157.5	0.1880E-05	0	0- 75	0.2042E 00	90-165	0.2042E 00
15-30.00	0.7164E 03	-7.5 TO 67.5	0.1294E-05	82.5-157.5	0.	15	0- 75	0.1297E-03	90-165	0.
30-35.17	0.3484E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	30	0- 75	0.	90-165	0.
0-15.00	0.2932E 03	-7.5 TO 82.5	0.8543E-02	82.5-172.5	0.1704E-05	0	0- 90	0.2451E 00	90-180	0.2451E 00
15-30.00	0.8597E 03	-7.5 TO 82.5	0.1079E-05	82.5-172.5	0.	15	0- 90	0.1297E-03	90-180	0.
30-35.17	0.4181E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	30	0- 90	0.	90-180	0.
0-15.00	0.3421E 03	-7.5 TO 97.5	0.7323E-02	82.5-187.5	0.1575E-05	0	0-105	0.2859E 00	90-195	0.2859E 00
15-30.00	0.1003E 04	-7.5 TO 97.5	0.9246E-06	82.5-187.5	0.	15	0-105	0.1297E-03	90-195	0.
30-35.17	0.4878E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	30	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

$r_2/r_1 = 0.10$ $d/r_1 = 1.101$ $\cosh \mu_1 = 1.0001$ $\cosh \mu_2 = 1.0091$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 13.29$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.4887E 02	-7.5 TO 7.5	0.4122E-01	82.5- 97.5	0.4190E-05	0	0- 15	0.4085E-01	90-105	0.4085E-01
15-30.00	0.1433E 03	-7.5 TO 7.5	0.6496E-04	82.5- 97.5	0.	15	0- 15	0.6237E-03	90-105	0.
30-35.17	0.6968E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	30	0- 15	0.	90-105	0.
0-15.00	0.9774E 02	-7.5 TO 22.5	0.3204E-01	82.5-112.5	0.3046E-05	0	0- 30	0.8169E-01	90-120	0.8169E-01
15-30.00	0.2866E 03	-7.5 TO 22.5	0.6061E-04	82.5-112.5	0.	15	0- 30	0.1096E-02	90-120	0.
30-35.17	0.1394E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	30	0- 30	0.	90-120	0.
0-15.00	0.1466E 03	-7.5 TO 37.5	0.2381E-01	82.5-127.5	0.2482E-05	0	0- 45	0.1225E 00	90-135	0.1225E 00
15-30.00	0.4298E 03	-7.5 TO 37.5	0.5258E-04	82.5-127.5	0.	15	0- 45	0.1370E-02	90-135	0.
30-35.17	0.2090E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	30	0- 45	0.	90-135	0.
0-15.00	0.1955E 03	-7.5 TO 52.5	0.1840E-01	82.5-142.5	0.2128E-05	0	0- 60	0.1634E 00	90-150	0.1634E 00
15-30.00	0.5731E 03	-7.5 TO 52.5	0.4382E-04	82.5-142.5	0.	15	0- 60	0.1489E-02	90-150	0.
30-35.17	0.2787E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	30	0- 60	0.	90-150	0.
0-15.00	0.2443E 03	-7.5 TO 67.5	0.1482E-01	82.5-157.5	0.1883E-05	0	0- 75	0.2042E 00	90-165	0.2042E 00
15-30.00	0.7164E 03	-7.5 TO 67.5	0.3622E-04	82.5-157.5	0.	15	0- 75	0.1525E-02	90-165	0.
30-35.17	0.3484E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	30	0- 75	0.	90-165	0.
0-15.00	0.2932E 03	-7.5 TO 82.5	0.1236E-01	82.5-172.5	0.1707E-05	0	0- 90	0.2451E 00	90-180	0.2451E 00
15-30.00	0.8597E 03	-7.5 TO 82.5	0.3037E-04	82.5-172.5	0.	15	0- 90	0.1528E-02	90-180	0.
30-35.17	0.4181E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	30	0- 90	0.	90-180	0.
0-15.00	0.3421E 03	-7.5 TO 97.5	0.1060E-01	82.5-187.5	0.1577E-05	0	0-105	0.2859E 00	90-195	0.2859E 00
15-30.00	0.1003E 04	-7.5 TO 97.5	0.2603E-04	82.5-187.5	0.	15	0-105	0.1528E-02	90-195	0.
30-35.17	0.4878E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	30	0-105	0.	90-195	0.

$r_2/r_1 = 0.10$ $d/r_1 = 1.101$ $\cosh \mu_1 = 1.0001$ $\cosh \mu_2 = 1.0091$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 10.02$

0-15.00	0.4887E 02	-7.5 TO 7.5	0.4874E-01	82.5- 97.5	0.4190E-05	0	0- 15	0.4085E-01	90-105	0.4085E-01
15-30.00	0.1433E 03	-7.5 TO 7.5	0.2744E-03	82.5- 97.5	0.	15	0- 15	0.1948E-02	90-105	0.
30-35.17	0.6968E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	30	0- 15	0.	90-105	0.
0-15.00	0.9774E 02	-7.5 TO 22.5	0.3870E-01	82.5-112.5	0.3046E-05	0	0- 30	0.8169E-01	90-120	0.8169E-01
15-30.00	0.2866E 03	-7.5 TO 22.5	0.2569E-03	82.5-112.5	0.	15	0- 30	0.3421E-02	90-120	0.
30-35.17	0.1394E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	30	0- 30	0.	90-120	0.
0-15.00	0.1466E 03	-7.5 TO 37.5	0.2921E-01	82.5-127.5	0.2482E-05	0	0- 45	0.1225E 00	90-135	0.1225E 00
15-30.00	0.4298E 03	-7.5 TO 37.5	0.2243E-03	82.5-127.5	0.	15	0- 45	0.4278E-02	90-135	0.
30-35.17	0.2090E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	30	0- 45	0.	90-135	0.
0-15.00	0.1955E 03	-7.5 TO 52.5	0.2270E-01	82.5-142.5	0.2128E-05	0	0- 60	0.1634E 00	90-150	0.1634E 00
15-30.00	0.5731E 03	-7.5 TO 52.5	0.1884E-03	82.5-142.5	0.	15	0- 60	0.4657E-02	90-150	0.
30-35.17	0.2787E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	30	0- 60	0.	90-150	0.
0-15.00	0.2443E 03	-7.5 TO 67.5	0.1830E-01	82.5-157.5	0.1883E-05	0	0- 75	0.2042E 00	90-165	0.2042E 00
15-30.00	0.7164E 03	-7.5 TO 67.5	0.1566E-03	82.5-157.5	0.	15	0- 75	0.4763E-02	90-165	0.
30-35.17	0.3484E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	30	0- 75	0.	90-165	0.
0-15.00	0.2932E 03	-7.5 TO 82.5	0.1527E-01	82.5-172.5	0.1707E-05	0	0- 90	0.2451E 00	90-180	0.2451E 00
15-30.00	0.8597E 03	-7.5 TO 82.5	0.1314E-03	82.5-172.5	0.	15	0- 90	0.4768E-02	90-180	0.
30-35.17	0.4181E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	30	0- 90	0.	90-180	0.
0-15.00	0.3421E 03	-7.5 TO 97.5	0.1309E-01	82.5-187.5	0.1577E-05	0	0-105	0.2859E 00	90-195	0.2859E 00
15-30.00	0.1003E 04	-7.5 TO 97.5	0.1127E-03	82.5-187.5	0.	15	0-105	0.4768E-02	90-195	0.
30-35.17	0.4878E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	30	0-105	0.	90-195	0.

$r_2/r_1 = 0.10$ $d/r_1 = 1.101$ $\cosh \mu_1 = 1.0001$ $\cosh \mu_2 = 1.0091$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 7.70$

0-15.00	0.4887E 02	-7.5 TO 7.5	0.5280E-01	82.5- 97.5	0.4190E-05	0	0- 15	0.4085E-01	90-105	0.4085E-01
15-30.00	0.1433E 03	-7.5 TO 7.5	0.6143E-03	82.5- 97.5	0.	15	0- 15	0.3599E-02	90-105	0.
30-35.17	0.6968E 02	-7.5 TO 7.5	0.2839E-07	82.5- 97.5	0.	30	0- 15	0.3593E-06	90-105	0.
0-15.00	0.9774E 02	-7.5 TO 22.5	0.4237E-01	82.5-112.5	0.3046E-05	0	0- 30	0.8169E-01	90-120	0.8169E-01
15-30.00	0.2866E 03	-7.5 TO 22.5	0.5766E-03	82.5-112.5	0.	15	0- 30	0.6315E-02	90-120	0.
30-35.17	0.1394E 03	-7.5 TO 22.5	0.1954E-07	82.5-112.5	0.	30	0- 30	0.3779E-06	90-120	0.
0-15.00	0.1466E 03	-7.5 TO 37.5	0.3223E-01	82.5-127.5	0.2482E-05	0	0- 45	0.1225E 00	90-135	0.1225E 00
15-30.00	0.4298E 03	-7.5 TO 37.5	0.5060E-03	82.5-127.5	0.	15	0- 45	0.7882E-02	90-135	0.
30-35.17	0.2090E 03	-7.5 TO 37.5	0.1306E-07	82.5-127.5	0.	30	0- 45	0.3779E-06	90-135	0.
0-15.00	0.1955E 03	-7.5 TO 52.5	0.2511E-01	82.5-142.5	0.2128E-05	0	0- 60	0.1634E 00	90-150	0.1634E 00
15-30.00	0.5731E 03	-7.5 TO 52.5	0.4265E-03	82.5-142.5	0.	15	0- 60	0.8552E-02	90-150	0.
30-35.17	0.2787E 03	-7.5 TO 52.5	0.9797E-08	82.5-142.5	0.	30	0- 60	0.3779E-06	90-150	0.
0-15.00	0.2443E 03	-7.5 TO 67.5	0.2025E-01	82.5-157.5	0.1883E-05	0	0- 75	0.2042E 00	90-165	0.2042E 00
15-30.00	0.7164E 03	-7.5 TO 67.5	0.3546E-03	82.5-157.5	0.	15	0- 75	0.8707E-02	90-165	0.
30-35.17	0.3484E 03	-7.5 TO 67.5	0.7838E-08	82.5-157.5	0.	30	0- 75	0.3779E-06	90-165	0.
0-15.00	0.2932E 03	-7.5 TO 82.5	0.1689E-01	82.5-172.5	0.1707E-05	0	0- 90	0.2451E 00	90-180	0.2451E 00
15-30.00	0.8597E 03	-7.5 TO 82.5	0.2971E-03	82.5-172.5	0.	15	0- 90	0.8712E-02	90-180	0.
30-35.17	0.4181E 03	-7.5 TO 82.5	0.6531E-08	82.5-172.5	0.	30	0- 90	0.3779E-06	90-180	0.
0-15.00	0.3421E 03	-7.5 TO 97.5	0.1448E-01	82.5-187.5	0.1577E-05	0	0-105	0.2859E 00	90-195	0.2859E 00
15-30.00	0.1003E 04	-7.5 TO 97.5	0.2547E-03	82.5-187.5	0.	15	0-105	0.8712E-02	90-195	0.
30-35.17	0.4878E 03	-7.5 TO 97.5	0.5598E-08	82.5-187.5	0.	30	0-105	0.3779E-06	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

$r_2/r_1 = 0.10$ $d/r_1 = 1.101$ $\cosh \mu_1 = 1.0001$ $\cosh \mu_2 = 1.0091$ $\alpha_{2,max} = 105.00$ $\theta_{2,min} = 5.91$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.4887E 02	-7.5 TO 7.5	0.5439E-01	82.5- 97.5	0.4190E-05	0	0- 15	0.4085E-01	90-105	0.4085E-01
15-30.00	0.1433E 03	-7.5 TO 7.5	0.9436E-03	82.5- 97.5	0.	15	0- 15	0.4883E-02	90-105	0.
30-35.17	0.6968E 02	-7.5 TO 7.5	0.3354E-05	82.5- 97.5	0.	30	0- 15	0.2049E-04	90-105	0.
0-15.00	0.9774E 02	-7.5 TO 22.5	0.4380E-01	82.5-112.5	0.3046E-05	0	0- 30	0.8169E-01	90-120	0.8169E-01
15-30.00	0.2866E 03	-7.5 TO 22.5	0.8868E-03	82.5-112.5	0.	15	0- 30	0.8563E-02	90-120	0.
30-35.17	0.1394E 03	-7.5 TO 22.5	0.2946E-05	82.5-112.5	0.	30	0- 30	0.3345E-04	90-120	0.
0-15.00	0.1466E 03	-7.5 TO 37.5	0.3340E-01	82.5-127.5	0.2482E-05	0	0- 45	0.1225E 00	90-135	0.1225E 00
15-30.00	0.4298E 03	-7.5 TO 37.5	0.7794E-03	82.5-127.5	0.	15	0- 45	0.1066E-01	90-135	0.
30-35.17	0.2090E 03	-7.5 TO 37.5	0.2304E-05	82.5-127.5	0.	30	0- 45	0.3793E-04	90-135	0.
0-15.00	0.1955E 03	-7.5 TO 52.5	0.2604E-01	82.5-142.5	0.2128E-05	0	0- 60	0.1634E 00	90-150	0.1634E 00
15-30.00	0.5731E 03	-7.5 TO 52.5	0.6569E-03	82.5-142.5	0.	15	0- 60	0.1150E-01	90-150	0.
30-35.17	0.2787E 03	-7.5 TO 52.5	0.1769E-05	82.5-142.5	0.	30	0- 60	0.3839E-04	90-150	0.
0-15.00	0.2443E 03	-7.5 TO 67.5	0.2100E-01	82.5-157.5	0.1883E-05	0	0- 75	0.2042E 00	90-165	0.2042E 00
15-30.00	0.7164E 03	-7.5 TO 67.5	0.5447E-03	82.5-157.5	0.	15	0- 75	0.1166E-01	90-165	0.
30-35.17	0.3484E 03	-7.5 TO 67.5	0.1417E-05	82.5-157.5	0.	30	0- 75	0.3839E-04	90-165	0.
0-15.00	0.2932E 03	-7.5 TO 82.5	0.1752E-01	82.5-172.5	0.1707E-05	0	0- 90	0.2451E 00	90-180	0.2451E 00
15-30.00	0.8597E 03	-7.5 TO 82.5	0.4558E-03	82.5-172.5	0.	15	0- 90	0.1167E-01	90-180	0.
30-35.17	0.4181E 03	-7.5 TO 82.5	0.1180E-05	82.5-172.5	0.	30	0- 90	0.3839E-04	90-180	0.
0-15.00	0.3421E 03	-7.5 TO 97.5	0.1502E-01	82.5-187.5	0.1577E-05	0	0-105	0.2859E 00	90-195	0.2859E 00
15-30.00	0.1003E 04	-7.5 TO 97.5	0.3907E-03	82.5-187.5	0.	15	0-105	0.1167E-01	90-195	0.
30-35.17	0.4878E 03	-7.5 TO 97.5	0.1012E-05	82.5-187.5	0.	30	0-105	0.3839E-04	90-195	0.

$r_2/r_1 = 0.10$ $d/r_1 = 1.101$ $\cosh \mu_1 = 1.0001$ $\cosh \mu_2 = 1.0091$ $\alpha_{2,max} = 120.00$ $\theta_{2,min} = 4.45$

0-15.00	0.4887E 02	-7.5 TO 7.5	0.5476E-01	82.5- 97.5	0.4190E-05	0	0- 15	0.4085E-01	90-105	0.4085E-01
15-30.00	0.1433E 03	-7.5 TO 7.5	0.1152E-02	82.5- 97.5	0.	15	0- 15	0.5515E-02	90-105	0.
30-35.17	0.6968E 02	-7.5 TO 7.5	0.1201E-04	82.5- 97.5	0.	30	0- 15	0.4927E-04	90-105	0.
0-15.00	0.9774E 02	-7.5 TO 22.5	0.4414E-01	82.5-112.5	0.3046E-05	0	0- 30	0.8169E-01	90-120	0.8169E-01
15-30.00	0.2866E 03	-7.5 TO 22.5	0.1083E-02	82.5-112.5	0.	15	0- 30	0.9650E-02	90-120	0.
30-35.17	0.1394E 03	-7.5 TO 22.5	0.1091E-04	82.5-112.5	0.	30	0- 30	0.8407E-04	90-120	0.
0-15.00	0.1466E 03	-7.5 TO 37.5	0.3368E-01	82.5-127.5	0.2482E-05	0	0- 45	0.1225E 00	90-135	0.1225E 00
15-30.00	0.4298E 03	-7.5 TO 37.5	0.9505E-03	82.5-127.5	0.	15	0- 45	0.1195E-01	90-135	0.
30-35.17	0.2090E 03	-7.5 TO 37.5	0.9012E-05	82.5-127.5	0.	30	0- 45	0.1003E-03	90-135	0.
0-15.00	0.1955E 03	-7.5 TO 52.5	0.2626E-01	82.5-142.5	0.2128E-05	0	0- 60	0.1634E 00	90-150	0.1634E 00
15-30.00	0.5731E 03	-7.5 TO 52.5	0.7983E-03	82.5-142.5	0.	15	0- 60	0.1282E-01	90-150	0.
30-35.17	0.2787E 03	-7.5 TO 52.5	0.7151E-05	82.5-142.5	0.	30	0- 60	0.1040E-03	90-150	0.
0-15.00	0.2443E 03	-7.5 TO 67.5	0.2118E-01	82.5-157.5	0.1883E-05	0	0- 75	0.2042E 00	90-165	0.2042E 00
15-30.00	0.7164E 03	-7.5 TO 67.5	0.6594E-03	82.5-157.5	0.	15	0- 75	0.1298E-01	90-165	0.
30-35.17	0.3484E 03	-7.5 TO 67.5	0.5754E-05	82.5-157.5	0.	30	0- 75	0.1041E-03	90-165	0.
0-15.00	0.2932E 03	-7.5 TO 82.5	0.1767E-01	82.5-172.5	0.1707E-05	0	0- 90	0.2451E 00	90-180	0.2451E 00
15-30.00	0.8597E 03	-7.5 TO 82.5	0.5514E-03	82.5-172.5	0.	15	0- 90	0.1298E-01	90-180	0.
30-35.17	0.4181E 03	-7.5 TO 82.5	0.4795E-05	82.5-172.5	0.	30	0- 90	0.1041E-03	90-180	0.
0-15.00	0.3421E 03	-7.5 TO 97.5	0.1514E-01	82.5-187.5	0.1577E-05	0	0-105	0.2859E 00	90-195	0.2859E 00
15-30.00	0.1003E 04	-7.5 TO 97.5	0.4726E-03	82.5-187.5	0.	15	0-105	0.1298E-01	90-195	0.
30-35.17	0.4878E 03	-7.5 TO 97.5	0.4110E-05	82.5-187.5	0.	30	0-105	0.1041E-03	90-195	0.

$r_2/r_1 = 0.10$ $d/r_1 = 1.101$ $\cosh \mu_1 = 1.0001$ $\cosh \mu_2 = 1.0091$ $\alpha_{2,max} = 135.00$ $\theta_{2,min} = 3.19$

0-15.00	0.4887E 02	-7.5 TO 7.5	0.5482E-01	82.5- 97.5	0.4190E-05	0	0- 15	0.4085E-01	90-105	0.4085E-01
15-30.00	0.1433E 03	-7.5 TO 7.5	0.1224E-02	82.5- 97.5	0.	15	0- 15	0.5634E-02	90-105	0.
30-35.17	0.6968E 02	-7.5 TO 7.5	0.1863E-04	82.5- 97.5	0.	30	0- 15	0.6585E-04	90-105	0.
0-15.00	0.9774E 02	-7.5 TO 22.5	0.4420E-01	82.5-112.5	0.3046E-05	0	0- 30	0.8169E-01	90-120	0.8169E-01
15-30.00	0.2866E 03	-7.5 TO 22.5	0.1149E-02	82.5-112.5	0.	15	0- 30	0.9832E-02	90-120	0.
30-35.17	0.1394E 03	-7.5 TO 22.5	0.1702E-04	82.5-112.5	0.	30	0- 30	0.1130E-03	90-120	0.
0-15.00	0.1466E 03	-7.5 TO 37.5	0.3373E-01	82.5-127.5	0.2482E-05	0	0- 45	0.1225E 00	90-135	0.1225E 00
15-30.00	0.4298E 03	-7.5 TO 37.5	0.1005E-02	82.5-127.5	0.	15	0- 45	0.1214E-01	90-135	0.
30-35.17	0.2090E 03	-7.5 TO 37.5	0.1414E-04	82.5-127.5	0.	30	0- 45	0.1350E-03	90-135	0.
0-15.00	0.1955E 03	-7.5 TO 52.5	0.2629E-01	82.5-142.5	0.2128E-05	0	0- 60	0.1634E 00	90-150	0.1634E 00
15-30.00	0.5731E 03	-7.5 TO 52.5	0.8413E-03	82.5-142.5	0.	15	0- 60	0.1301E-01	90-150	0.
30-35.17	0.2787E 03	-7.5 TO 52.5	0.1122E-04	82.5-142.5	0.	30	0- 60	0.1397E-03	90-150	0.
0-15.00	0.2443E 03	-7.5 TO 67.5	0.2121E-01	82.5-157.5	0.1883E-05	0	0- 75	0.2042E 00	90-165	0.2042E 00
15-30.00	0.7164E 03	-7.5 TO 67.5	0.6938E-03	82.5-157.5	0.	15	0- 75	0.1317E-01	90-165	0.
30-35.17	0.3484E 03	-7.5 TO 67.5	0.9022E-05	82.5-157.5	0.	30	0- 75	0.1398E-03	90-165	0.
0-15.00	0.2932E 03	-7.5 TO 82.5	0.1769E-01	82.5-172.5	0.1707E-05	0	0- 90	0.2451E 00	90-180	0.2451E 00
15-30.00	0.8597E 03	-7.5 TO 82.5	0.5801E-03	82.5-172.5	0.	15	0- 90	0.1317E-01	90-180	0.
30-35.17	0.4181E 03	-7.5 TO 82.5	0.7518E-05	82.5-172.5	0.	30	0- 90	0.1398E-03	90-180	0.
0-15.00	0.3421E 03	-7.5 TO 97.5	0.1516E-01	82.5-187.5	0.1577E-05	0	0-105	0.2859E 00	90-195	0.2859E 00
15-30.00	0.1003E 04	-7.5 TO 97.5	0.4972E-03	82.5-187.5	0.	15	0-105	0.1317E-01	90-195	0.
30-35.17	0.4878E 03	-7.5 TO 97.5	0.6444E-05	82.5-187.5	0.	30	0-105	0.1398E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

$r_2/r_1 = 0.10$ $d/r_1 = 1.101$ $\cosh \mu_1 = 1.0001$ $\cosh \mu_2 = 1.0091$ $\alpha_{2,max} = 144.83$ $\theta_{2,min} = 2.44$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.4887E 02	-7.5 TO 7.5	0.5482E-01	82.5- 97.5	0.4190E-05	0	0- 15	0.4085E-01	90-105	0.4085E-01
15-30.00	0.1433E 03	-7.5 TO 7.5	0.1228E-02	82.5- 97.5	0.	15	0- 15	0.5634E-02	90-105	0.
30-35.17	0.6968E 02	-7.5 TO 7.5	0.1970E-04	82.5- 97.5	0.	30	0- 15	0.6819E-04	90-105	0.
0-15.00	0.9774E 02	-7.5 TO 22.5	0.4420E-01	82.5-112.5	0.3046E-05	0	0- 30	0.8169E-01	90-120	0.8169E-01
15-30.00	0.2866E 03	-7.5 TO 22.5	0.1152E-02	82.5-112.5	0.	15	0- 30	0.9832E-02	90-120	0.
30-35.17	0.1394E 03	-7.5 TO 22.5	0.1795E-04	82.5-112.5	0.	30	0- 30	0.1165E-03	90-120	0.
0-15.00	0.1466E 03	-7.5 TO 37.5	0.3373E-01	82.5-127.5	0.2482E-05	0	0- 45	0.1225E 00	90-135	0.1225E 00
15-30.00	0.4298E 03	-7.5 TO 37.5	0.1008E-02	82.5-127.5	0.	15	0- 45	0.1214E-01	90-135	0.
30-35.17	0.2090E 03	-7.5 TO 37.5	0.1485E-04	82.5-127.5	0.	30	0- 45	0.1387E-03	90-135	0.
0-15.00	0.1955E 03	-7.5 TO 52.5	0.2629E-01	82.5-142.5	0.2128E-05	0	0- 60	0.1634E 00	90-150	0.1634E 00
15-30.00	0.5731E 03	-7.5 TO 52.5	0.8430E-03	82.5-142.5	0.	15	0- 60	0.1301E-01	90-150	0.
30-35.17	0.2787E 03	-7.5 TO 52.5	0.1176E-04	82.5-142.5	0.	30	0- 60	0.1434E-03	90-150	0.
0-15.00	0.2443E 03	-7.5 TO 67.5	0.2121E-01	82.5-157.5	0.1883E-05	0	0- 75	0.2042E 00	90-165	0.2042E 00
15-30.00	0.7164E 03	-7.5 TO 67.5	0.6952E-03	82.5-157.5	0.	15	0- 75	0.1317E-01	90-165	0.
30-35.17	0.3484E 03	-7.5 TO 67.5	0.9451E-05	82.5-157.5	0.	30	0- 75	0.1435E-03	90-165	0.
0-15.00	0.2932E 03	-7.5 TO 82.5	0.1769E-01	82.5-172.5	0.1707E-05	0	0- 90	0.2451E 00	90-180	0.2451E 00
15-30.00	0.8597E 03	-7.5 TO 82.5	0.5812E-03	82.5-172.5	0.	15	0- 90	0.1317E-01	90-180	0.
30-35.17	0.4181E 03	-7.5 TO 82.5	0.7876E-05	82.5-172.5	0.	30	0- 90	0.1435E-03	90-180	0.
0-15.00	0.3421E 03	-7.5 TO 97.5	0.1516E-01	82.5-187.5	0.1577E-05	0	0-105	0.2859E 00	90-195	0.2859E 00
15-30.00	0.1003E 04	-7.5 TO 97.5	0.4982E-03	82.5-187.5	0.	15	0-105	0.1317E-01	90-195	0.
30-35.17	0.4878E 03	-7.5 TO 97.5	0.6751E-05	82.5-187.5	0.	30	0-105	0.1435E-03	90-195	0.

$r_2/r_1 = 0.10$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2475$ $\cosh \mu_2 = 7.5250$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 162.88$

0-15.00	0.1604E-01	-7.5 TO 7.5	0.3039E-04	82.5- 97.5	0.2897E-04	0	0- 15	0.3417E-04	90-105	0.3417E-04
15-30.00	0.4702E-01	-7.5 TO 7.5	0.1810E-04	82.5- 97.5	0.1641E-04	15	0- 15	0.2630E-04	90-105	0.2426E-04
30-45.00	0.7479E-01	-7.5 TO 7.5	0.7069E-05	82.5- 97.5	0.6165E-05	30	0- 15	0.1201E-04	90-105	0.1048E-04
45-60.00	0.9747E-01	-7.5 TO 7.5	0.1401E-05	82.5- 97.5	0.1148E-05	45	0- 15	0.3616E-05	90-105	0.3019E-05
60-63.26	0.2353E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.3207E-01	-7.5 TO 22.5	0.3037E-04	82.5-112.5	0.2880E-04	0	0- 30	0.6834E-04	90-120	0.6834E-04
15-30.00	0.9404E-01	-7.5 TO 22.5	0.1807E-04	82.5-112.5	0.1620E-04	15	0- 30	0.5248E-04	90-120	0.4808E-04
30-45.00	0.1496E 00	-7.5 TO 22.5	0.7053E-05	82.5-112.5	0.6054E-05	30	0- 30	0.2393E-04	90-120	0.2063E-04
45-60.00	0.1949E 00	-7.5 TO 22.5	0.1396E-05	82.5-112.5	0.1118E-05	45	0- 30	0.7194E-05	90-120	0.5914E-05
60-63.26	0.4706E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.4811E-01	-7.5 TO 37.5	0.3031E-04	82.5-127.5	0.2862E-04	0	0- 45	0.1025E-03	90-135	0.1025E-03
15-30.00	0.1411E 00	-7.5 TO 37.5	0.1800E-04	82.5-127.5	0.1600E-04	15	0- 45	0.7842E-04	90-135	0.7150E-04
30-45.00	0.2244E 00	-7.5 TO 37.5	0.7017E-05	82.5-127.5	0.5949E-05	30	0- 45	0.3566E-04	90-135	0.3049E-04
45-60.00	0.2924E 00	-7.5 TO 37.5	0.1386E-05	82.5-127.5	0.1090E-05	45	0- 45	0.1070E-04	90-135	0.8699E-05
60-63.26	0.7060E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.6415E-01	-7.5 TO 52.5	0.3023E-04	82.5-142.5	0.2847E-04	0	0- 60	0.1367E-03	90-150	0.1367E-03
15-30.00	0.1881E 00	-7.5 TO 52.5	0.1790E-04	82.5-142.5	0.1582E-04	15	0- 60	0.1040E-03	90-150	0.9460E-04
30-45.00	0.2992E 00	-7.5 TO 52.5	0.6962E-05	82.5-142.5	0.5855E-05	30	0- 60	0.4713E-04	90-150	0.4012E-04
45-60.00	0.3899E 00	-7.5 TO 52.5	0.1370E-05	82.5-142.5	0.1064E-05	45	0- 60	0.1410E-04	90-150	0.1140E-04
60-63.26	0.9413E-01	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.8018E-01	-7.5 TO 67.5	0.3012E-04	82.5-157.5	0.2833E-04	0	0- 75	0.1709E-03	90-165	0.1709E-03
15-30.00	0.2351E 00	-7.5 TO 67.5	0.1777E-04	82.5-157.5	0.1567E-04	15	0- 75	0.1292E-03	90-165	0.1175E-03
30-45.00	0.3740E 00	-7.5 TO 67.5	0.6891E-05	82.5-157.5	0.5772E-05	30	0- 75	0.5830E-04	90-165	0.4959E-04
45-60.00	0.4874E 00	-7.5 TO 67.5	0.1350E-05	82.5-157.5	0.1042E-05	45	0- 75	0.1739E-04	90-165	0.1404E-04
60-63.26	0.1177E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.9622E-01	-7.5 TO 82.5	0.2999E-04	82.5-172.5	0.2822E-04	0	0- 90	0.2050E-03	90-180	0.2050E-03
15-30.00	0.2821E 00	-7.5 TO 82.5	0.1761E-04	82.5-172.5	0.1554E-04	15	0- 90	0.1539E-03	90-180	0.1402E-03
30-45.00	0.4488E 00	-7.5 TO 82.5	0.6808E-05	82.5-172.5	0.5704E-05	30	0- 90	0.6912E-04	90-180	0.5898E-04
45-60.00	0.5848E 00	-7.5 TO 82.5	0.1327E-05	82.5-172.5	0.1024E-05	45	0- 90	0.2054E-04	90-180	0.1664E-04
60-63.26	0.1412E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.1123E 00	-7.5 TO 97.5	0.2984E-04	82.5-187.5	0.2813E-04	0	0-105	0.2392E-03	90-195	0.2392E-03
15-30.00	0.3291E 00	-7.5 TO 97.5	0.1744E-04	82.5-187.5	0.1543E-04	15	0-105	0.1782E-03	90-195	0.1630E-03
30-45.00	0.5236E 00	-7.5 TO 97.5	0.6716E-05	82.5-187.5	0.5651E-05	30	0-105	0.7960E-04	90-195	0.6836E-04
45-60.00	0.6823E 00	-7.5 TO 97.5	0.1301E-05	82.5-187.5	0.1010E-05	45	0-105	0.2356E-04	90-195	0.1925E-04
60-63.26	0.1647E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

r_2/r_1 = 0.10 d/r_1 = 2.000 $\cosh \mu_1$ = 1.2475 $\cosh \mu_2$ = 7.5250 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 145.94

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1604E-01	-7.5 TO 7.5	0.1163E-03	82.5- 97.5	0.1057E-03	0	0- 15	0.1245E-03	90-105	0.1245E-03
15-30.00	0.4702E-01	-7.5 TO 7.5	0.7293E-04	82.5- 97.5	0.6013E-04	15	0- 15	0.1031E-03	90-105	0.8779E-04
30-45.00	0.7479E-01	-7.5 TO 7.5	0.2973E-04	82.5- 97.5	0.2273E-04	30	0- 15	0.4960E-04	90-105	0.3788E-04
45-60.00	0.9747E-01	-7.5 TO 7.5	0.3488E-05	82.5- 97.5	0.4286E-05	45	0- 15	0.1557E-04	90-105	0.1094E-04
60-63.26	0.2353E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.3207E-01	-7.5 TO 22.5	0.1161E-03	82.5-112.5	0.1044E-03	0	0- 30	0.2490E-03	90-120	0.2490E-03
15-30.00	0.9404E-01	-7.5 TO 22.5	0.7270E-04	82.5-112.5	0.5860E-04	15	0- 30	0.2052E-03	90-120	0.1724E-03
30-45.00	0.1496E 00	-7.5 TO 22.5	0.2960E-04	82.5-112.5	0.2192E-04	30	0- 30	0.9844E-04	90-120	0.7338E-04
45-60.00	0.1949E 00	-7.5 TO 22.5	0.4852E-05	82.5-112.5	0.4066E-05	45	0- 30	0.3084E-04	90-120	0.2098E-04
60-63.26	0.4706E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.4811E-01	-7.5 TO 37.5	0.1157E-03	82.5-127.5	0.1032E-03	0	0- 45	0.3734E-03	90-135	0.3734E-03
15-30.00	0.1411E 00	-7.5 TO 37.5	0.7218E-04	82.5-127.5	0.5717E-04	15	0- 45	0.3055E-03	90-135	0.2541E-03
30-45.00	0.2244E 00	-7.5 TO 37.5	0.2930E-04	82.5-127.5	0.2116E-04	30	0- 45	0.1458E-03	90-135	0.1068E-03
45-60.00	0.2924E 00	-7.5 TO 37.5	0.5232E-05	82.5-127.5	0.3867E-05	45	0- 45	0.4551E-04	90-135	0.3024E-04
60-63.26	0.7060E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.6415E-01	-7.5 TO 52.5	0.1150E-03	82.5-142.5	0.1020E-03	0	0- 60	0.4979E-03	90-150	0.4979E-03
15-30.00	0.1881E 00	-7.5 TO 52.5	0.7139E-04	82.5-142.5	0.5587E-04	15	0- 60	0.4031E-03	90-150	0.3335E-03
30-45.00	0.2992E 00	-7.5 TO 52.5	0.2887E-04	82.5-142.5	0.2048E-04	30	0- 60	0.1912E-03	90-150	0.1386E-03
45-60.00	0.3899E 00	-7.5 TO 52.5	0.5337E-05	82.5-142.5	0.3690E-05	45	0- 60	0.5939E-04	90-150	0.3891E-04
60-63.26	0.9413E-01	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.8018E-01	-7.5 TO 67.5	0.1142E-03	82.5-157.5	0.1011E-03	0	0- 75	0.6224E-03	90-165	0.6224E-03
15-30.00	0.2351E 00	-7.5 TO 67.5	0.7038E-04	82.5-157.5	0.5475E-04	15	0- 75	0.4977E-03	90-165	0.4114E-03
30-45.00	0.3740E 00	-7.5 TO 67.5	0.2831E-04	82.5-157.5	0.1989E-04	30	0- 75	0.2342E-03	90-165	0.1693E-03
45-60.00	0.4874E 00	-7.5 TO 67.5	0.5314E-05	82.5-157.5	0.3540E-05	45	0- 75	0.7232E-04	90-165	0.4716E-04
60-63.26	0.1177E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.9622E-01	-7.5 TO 82.5	0.1132E-03	82.5-172.5	0.1002E-03	0	0- 90	0.7469E-03	90-180	0.7469E-03
15-30.00	0.2821E 00	-7.5 TO 82.5	0.6920E-04	82.5-172.5	0.5382E-04	15	0- 90	0.5889E-03	90-180	0.4885E-03
30-45.00	0.4488E 00	-7.5 TO 82.5	0.2766E-04	82.5-172.5	0.1941E-04	30	0- 90	0.2746E-03	90-180	0.1994E-03
45-60.00	0.5848E 00	-7.5 TO 82.5	0.5221E-05	82.5-172.5	0.3418E-05	45	0- 90	0.8425E-04	90-180	0.5520E-04
60-63.26	0.1412E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.1123E 00	-7.5 TO 97.5	0.1122E-03	82.5-187.5	0.9961E-04	0	0-105	0.8714E-03	90-195	0.8714E-03
15-30.00	0.3291E 00	-7.5 TO 97.5	0.6790E-04	82.5-187.5	0.5310E-04	15	0-105	0.6767E-03	90-195	0.5656E-03
30-45.00	0.5236E 00	-7.5 TO 97.5	0.2696E-04	82.5-187.5	0.1904E-04	30	0-105	0.3125E-03	90-195	0.2295E-03
45-60.00	0.6823E 00	-7.5 TO 97.5	0.5087E-05	82.5-187.5	0.3324E-05	45	0-105	0.9519E-04	90-195	0.6324E-04
60-63.26	0.1647E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.

r_2/r_1 = 0.10 d/r_1 = 2.000 $\cosh \mu_1$ = 1.2475 $\cosh \mu_2$ = 7.5250 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 129.33

0-15.00	0.1604E-01	-7.5 TO 7.5	0.2355E-03	82.5- 97.5	0.2041E-03	0	0- 15	0.2399E-03	90-105	0.2399E-03
15-30.00	0.4702E-01	-7.5 TO 7.5	0.1557E-03	82.5- 97.5	0.1169E-03	15	0- 15	0.2139E-03	90-105	0.1682E-03
30-45.00	0.7479E-01	-7.5 TO 7.5	0.6626E-04	82.5- 97.5	0.4458E-04	30	0- 15	0.1085E-03	90-105	0.7266E-04
45-60.00	0.9747E-01	-7.5 TO 7.5	0.1494E-04	82.5- 97.5	0.8562E-05	45	0- 15	0.3554E-04	90-105	0.2112E-04
60-63.26	0.2353E-01	-7.5 TO 7.5	0.3335E-07	82.5- 97.5	0.	60	0- 15	0.3895E-06	90-105	0.
0-15.00	0.3207E-01	-7.5 TO 22.5	0.2350E-03	82.5-112.5	0.2003E-03	0	0- 30	0.4797E-03	90-120	0.4797E-03
15-30.00	0.9404E-01	-7.5 TO 22.5	0.1550E-03	82.5-112.5	0.1123E-03	15	0- 30	0.4248E-03	90-120	0.3270E-03
30-45.00	0.1496E 00	-7.5 TO 22.5	0.6584E-04	82.5-112.5	0.4217E-04	30	0- 30	0.2147E-03	90-120	0.1384E-03
45-60.00	0.1949E 00	-7.5 TO 22.5	0.1481E-04	82.5-112.5	0.7919E-05	45	0- 30	0.7008E-04	90-120	0.3958E-04
60-63.26	0.4706E-01	-7.5 TO 22.5	0.3055E-07	82.5-112.5	0.	60	0- 30	0.6711E-06	90-120	0.
0-15.00	0.4811E-01	-7.5 TO 37.5	0.2337E-03	82.5-127.5	0.1967E-03	0	0- 45	0.7196E-03	90-135	0.7196E-03
15-30.00	0.1411E 00	-7.5 TO 37.5	0.1534E-03	82.5-127.5	0.1082E-03	15	0- 45	0.6301E-03	90-135	0.4776E-03
30-45.00	0.2244E 00	-7.5 TO 37.5	0.6491E-04	82.5-127.5	0.3995E-04	30	0- 45	0.3162E-03	90-135	0.1981E-03
45-60.00	0.2924E 00	-7.5 TO 37.5	0.1452E-04	82.5-127.5	0.7345E-05	45	0- 45	0.1027E-03	90-135	0.5584E-04
60-63.26	0.7060E-01	-7.5 TO 37.5	0.2570E-07	82.5-127.5	0.	60	0- 45	0.7901E-06	90-135	0.
0-15.00	0.6415E-01	-7.5 TO 52.5	0.2318E-03	82.5-142.5	0.1934E-03	0	0- 60	0.9594E-03	90-150	0.9594E-03
15-30.00	0.1881E 00	-7.5 TO 52.5	0.1509E-03	82.5-142.5	0.1044E-03	15	0- 60	0.8277E-03	90-150	0.6218E-03
30-45.00	0.2992E 00	-7.5 TO 52.5	0.6353E-04	82.5-142.5	0.3798E-04	30	0- 60	0.4116E-03	90-150	0.2532E-03
45-60.00	0.3899E 00	-7.5 TO 52.5	0.1409E-04	82.5-142.5	0.6848E-05	45	0- 60	0.1328E-03	90-150	0.7041E-04
60-63.26	0.9413E-01	-7.5 TO 52.5	0.2035E-07	82.5-142.5	0.	60	0- 60	0.8001E-06	90-150	0.
0-15.00	0.8018E-01	-7.5 TO 67.5	0.2293E-03	82.5-157.5	0.1906E-03	0	0- 75	0.1199E-02	90-165	0.1199E-02
15-30.00	0.2351E 00	-7.5 TO 67.5	0.1478E-03	82.5-157.5	0.1012E-03	15	0- 75	0.1016E-02	90-165	0.7614E-03
30-45.00	0.3740E 00	-7.5 TO 67.5	0.6178E-04	82.5-157.5	0.3630E-04	30	0- 75	0.4996E-03	90-165	0.3051E-03
45-60.00	0.4874E 00	-7.5 TO 67.5	0.1356E-04	82.5-157.5	0.6435E-05	45	0- 75	0.1600E-03	90-165	0.8384E-04
60-63.26	0.1177E 00	-7.5 TO 67.5	0.1631E-07	82.5-157.5	0.	60	0- 75	0.8001E-06	90-165	0.
0-15.00	0.9622E-01	-7.5 TO 82.5	0.2264E-03	82.5-172.5	0.1883E-03	0	0- 90	0.1439E-02	90-180	0.1439E-02
15-30.00	0.2821E 00	-7.5 TO 82.5	0.1443E-03	82.5-172.5	0.9851E-04	15	0- 90	0.1194E-02	90-180	0.8988E-03
30-45.00	0.4488E 00	-7.5 TO 82.5	0.5977E-04	82.5-172.5	0.3492E-04	30	0- 90	0.5799E-03	90-180	0.3554E-03
45-60.00	0.5848E 00	-7.5 TO 82.5	0.1297E-04	82.5-172.5	0.6103E-05	45	0- 90	0.1840E-03	90-180	0.9670E-04
60-63.26	0.1412E 00	-7.5 TO 82.5	0.1359E-07	82.5-172.5	0.	60	0- 90	0.8001E-06	90-180	0.
0-15.00	0.1123E 00	-7.5 TO 97.5	0.2232E-03	82.5-187.5	0.1864E-03	0	0-105	0.1679E-02	90-195	0.1679E-02
15-30.00	0.3291E 00	-7.5 TO 97.5	0.1403E-03	82.5-187.5	0.9646E-04	15	0-105	0.1362E-02	90-195	0.1036E-02
30-45.00	0.5236E 00	-7.5 TO 97.5	0.5760E-04	82.5-187.5	0.3386E-04	30	0-105	0.6526E-03	90-195	0.4057E-03
45-60.00	0.6823E 00	-7.5 TO 97.5	0.1234E-04	82.5-187.5	0.5849E-05	45	0-105	0.2052E-03	90-195	0.1096E-03
60-63.26	0.1647E 00	-7.5 TO 97.5	0.1165E-07	82.5-187.5	0.	60	0-105	0.8001E-06	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

r_2/r_1 = 0.10 d/r_1 = 2.000 $\cosh \mu_1$ = 1.2475 $\cosh \mu_2$ = 7.5250 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 113.16

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1604E-01	-7.5 TO 7.5	0.3554E-03	82.5- 97.5	0.2929E-03	0	0- 15	0.3434E-03	90-105	0.3434E-03
15-30.00	0.4702E-01	-7.5 TO 7.5	0.2479E-03	82.5- 97.5	0.1689E-03	15	0- 15	0.3306E-03	90-105	0.2393E-03
30-45.00	0.7479E-01	-7.5 TO 7.5	0.1101E-03	82.5- 97.5	0.6512E-04	30	0- 15	0.1770E-03	90-105	0.1035E-03
45-60.00	0.9747E-01	-7.5 TO 7.5	0.2626E-04	82.5- 97.5	0.1277E-04	45	0- 15	0.6037E-04	90-105	0.3031E-04
60-63.26	0.2353E-01	-7.5 TO 7.5	0.3107E-06	82.5- 97.5	0.	60	0- 15	0.1715E-05	90-105	0.
0-15.00	0.3207E-01	-7.5 TO 22.5	0.3543E-03	82.5-112.5	0.2854E-03	0	0- 30	0.6868E-03	90-120	0.6868E-03
15-30.00	0.9404E-01	-7.5 TO 22.5	0.2464E-03	82.5-112.5	0.1600E-03	15	0- 30	0.6552E-03	90-120	0.4602E-03
30-45.00	0.1496E 00	-7.5 TO 22.5	0.1092E-03	82.5-112.5	0.6030E-04	30	0- 30	0.3490E-03	90-120	0.1933E-03
45-60.00	0.1949E 00	-7.5 TO 22.5	0.2598E-04	82.5-112.5	0.1150E-04	45	0- 30	0.1186E-03	90-120	0.5538E-04
60-63.26	0.4706E-01	-7.5 TO 22.5	0.2889E-06	82.5-112.5	0.	60	0- 30	0.3115E-05	90-120	0.
0-15.00	0.4811E-01	-7.5 TO 37.5	0.3517E-03	82.5-127.5	0.2784E-03	0	0- 45	0.1030E-02	90-135	0.1030E-02
15-30.00	0.1411E 00	-7.5 TO 37.5	0.2430E-03	82.5-127.5	0.1518E-03	15	0- 45	0.9685E-03	90-135	0.6653E-03
30-45.00	0.2244E 00	-7.5 TO 37.5	0.1072E-03	82.5-127.5	0.5592E-04	30	0- 45	0.5114E-03	90-135	0.2714E-03
45-60.00	0.2924E 00	-7.5 TO 37.5	0.2534E-04	82.5-127.5	0.1039E-04	45	0- 45	0.1727E-03	90-135	0.7618E-04
60-63.26	0.7060E-01	-7.5 TO 37.5	0.2466E-06	82.5-127.5	0.	60	0- 45	0.3989E-05	90-135	0.
0-15.00	0.6415E-01	-7.5 TO 52.5	0.3479E-03	82.5-142.5	0.2721E-03	0	0- 60	0.1374E-02	90-150	0.1374E-02
15-30.00	0.1881E 00	-7.5 TO 52.5	0.2380E-03	82.5-142.5	0.1444E-03	15	0- 60	0.1266E-02	90-150	0.8578E-03
30-45.00	0.2992E 00	-7.5 TO 52.5	0.1043E-03	82.5-142.5	0.5206E-04	30	0- 60	0.6610E-03	90-150	0.3406E-03
45-60.00	0.3899E 00	-7.5 TO 52.5	0.2441E-04	82.5-142.5	0.9447E-05	45	0- 60	0.2215E-03	90-150	0.9376E-04
60-63.26	0.9413E-01	-7.5 TO 52.5	0.1998E-06	82.5-142.5	0.	60	0- 60	0.4320E-05	90-150	0.
0-15.00	0.8018E-01	-7.5 TO 67.5	0.3429E-03	82.5-157.5	0.2666E-03	0	0- 75	0.1717E-02	90-165	0.1717E-02
15-30.00	0.2351E 00	-7.5 TO 67.5	0.2316E-03	82.5-157.5	0.1381E-03	15	0- 75	0.1545E-02	90-165	0.1042E-02
30-45.00	0.3740E 00	-7.5 TO 67.5	0.1006E-03	82.5-157.5	0.4878E-04	30	0- 75	0.7955E-03	90-165	0.4037E-03
45-60.00	0.4874E 00	-7.5 TO 67.5	0.2327E-04	82.5-157.5	0.8673E-05	45	0- 75	0.2641E-03	90-165	0.1092E-03
60-63.26	0.1177E 00	-7.5 TO 67.5	0.1622E-06	82.5-157.5	0.	60	0- 75	0.4348E-05	90-165	0.
0-15.00	0.9622E-01	-7.5 TO 82.5	0.3372E-03	82.5-172.5	0.2620E-03	0	0- 90	0.2060E-02	90-180	0.2060E-02
15-30.00	0.2821E 00	-7.5 TO 82.5	0.2243E-03	82.5-172.5	0.1330E-03	15	0- 90	0.1804E-02	90-180	0.1221E-02
30-45.00	0.4488E 00	-7.5 TO 82.5	0.9643E-04	82.5-172.5	0.4611E-04	30	0- 90	0.9143E-03	90-180	0.4636E-03
45-60.00	0.5848E 00	-7.5 TO 82.5	0.2200E-04	82.5-172.5	0.8061E-05	45	0- 90	0.3004E-03	90-180	0.1237E-03
60-63.26	0.1412E 00	-7.5 TO 82.5	0.1352E-06	82.5-172.5	0.	60	0- 90	0.4348E-05	90-180	0.
0-15.00	0.1123E 00	-7.5 TO 97.5	0.3308E-03	82.5-187.5	0.2585E-03	0	0-105	0.2404E-02	90-195	0.2404E-02
15-30.00	0.3291E 00	-7.5 TO 97.5	0.2164E-03	82.5-187.5	0.1290E-03	15	0-105	0.2044E-02	90-195	0.1401E-02
30-45.00	0.5236E 00	-7.5 TO 97.5	0.9196E-04	82.5-187.5	0.4406E-04	30	0-105	0.1018E-02	90-195	0.5236E-03
45-60.00	0.6823E 00	-7.5 TO 97.5	0.2068E-04	82.5-187.5	0.7596E-05	45	0-105	0.3307E-03	90-195	0.1381E-03
60-63.26	0.1647E 00	-7.5 TO 97.5	0.1159E-06	82.5-187.5	0.	60	0-105	0.4348E-05	90-195	0.

r_2/r_1 = 0.10 d/r_1 = 2.000 $\cosh \mu_1$ = 1.2475 $\cosh \mu_2$ = 7.5250 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 97.49

0-15.00	0.1604E-01	-7.5 TO 7.5	0.4450E-03	82.5- 97.5	0.3468E-03	0	0- 15	0.4057E-03	90-105	0.4057E-03
15-30.00	0.4702E-01	-7.5 TO 7.5	0.3279E-03	82.5- 97.5	0.2012E-03	15	0- 15	0.4245E-03	90-105	0.2802E-03
30-45.00	0.7479E-01	-7.5 TO 7.5	0.1518E-03	82.5- 97.5	0.7835E-04	30	0- 15	0.2399E-03	90-105	0.1210E-03
45-60.00	0.9747E-01	-7.5 TO 7.5	0.3799E-04	82.5- 97.5	0.1565E-04	45	0- 15	0.8497E-04	90-105	0.3561E-04
60-63.26	0.2353E-01	-7.5 TO 7.5	0.9420E-06	82.5- 97.5	0.	60	0- 15	0.3726E-05	90-105	0.
0-15.00	0.3207E-01	-7.5 TO 22.5	0.4432E-03	82.5-112.5	0.3351E-03	0	0- 30	0.8114E-03	90-120	0.8114E-03
15-30.00	0.9404E-01	-7.5 TO 22.5	0.3254E-03	82.5-112.5	0.1872E-03	15	0- 30	0.8394E-03	90-120	0.5317E-03
30-45.00	0.1496E 00	-7.5 TO 22.5	0.1503E-03	82.5-112.5	0.7070E-04	30	0- 30	0.4714E-03	90-120	0.2204E-03
45-60.00	0.1949E 00	-7.5 TO 22.5	0.3751E-04	82.5-112.5	0.1366E-04	45	0- 30	0.1663E-03	90-120	0.6304E-04
60-63.26	0.4706E-01	-7.5 TO 22.5	0.8877E-06	82.5-112.5	0.	60	0- 30	0.6864E-05	90-120	0.
0-15.00	0.4811E-01	-7.5 TO 37.5	0.4392E-03	82.5-127.5	0.3242E-03	0	0- 45	0.1217E-02	90-135	0.1217E-02
15-30.00	0.1411E 00	-7.5 TO 37.5	0.3200E-03	82.5-127.5	0.1744E-03	15	0- 45	0.1236E-02	90-135	0.7588E-03
30-45.00	0.2244E 00	-7.5 TO 37.5	0.1471E-03	82.5-127.5	0.6394E-04	30	0- 45	0.6874E-03	90-135	0.3026E-03
45-60.00	0.2924E 00	-7.5 TO 37.5	0.3643E-04	82.5-127.5	0.1200E-04	45	0- 45	0.2409E-03	90-135	0.8451E-04
60-63.26	0.7060E-01	-7.5 TO 37.5	0.7785E-06	82.5-127.5	0.	60	0- 45	0.9005E-05	90-135	0.
0-15.00	0.6415E-01	-7.5 TO 52.5	0.4331E-03	82.5-142.5	0.3144E-03	0	0- 60	0.1623E-02	90-150	0.1623E-02
15-30.00	0.1881E 00	-7.5 TO 52.5	0.3119E-03	82.5-142.5	0.1633E-03	15	0- 60	0.1608E-02	90-150	0.9667E-03
30-45.00	0.2992E 00	-7.5 TO 52.5	0.1422E-03	82.5-142.5	0.5833E-04	30	0- 60	0.8822E-03	90-150	0.3732E-03
45-60.00	0.3899E 00	-7.5 TO 52.5	0.3486E-04	82.5-142.5	0.1068E-04	45	0- 60	0.3064E-03	90-150	0.1022E-03
60-63.26	0.9413E-01	-7.5 TO 52.5	0.6486E-06	82.5-142.5	0.	60	0- 60	0.1005E-04	90-150	0.
0-15.00	0.8018E-01	-7.5 TO 67.5	0.4253E-03	82.5-157.5	0.3059E-03	0	0- 75	0.2028E-02	90-165	0.2028E-02
15-30.00	0.2351E 00	-7.5 TO 67.5	0.3016E-03	82.5-157.5	0.1541E-03	15	0- 75	0.1951E-02	90-165	0.1162E-02
30-45.00	0.3740E 00	-7.5 TO 67.5	0.1362E-03	82.5-157.5	0.5384E-04	30	0- 75	0.1053E-02	90-165	0.4367E-03
45-60.00	0.4874E 00	-7.5 TO 67.5	0.3295E-04	82.5-157.5	0.9660E-05	45	0- 75	0.3619E-03	90-165	0.1176E-03
60-63.26	0.1177E 00	-7.5 TO 67.5	0.5319E-06	82.5-157.5	0.	60	0- 75	0.1030E-04	90-165	0.
0-15.00	0.9622E-01	-7.5 TO 82.5	0.4162E-03	82.5-172.5	0.2989E-03	0	0- 90	0.2434E-02	90-180	0.2434E-02
15-30.00	0.2821E 00	-7.5 TO 82.5	0.2899E-03	82.5-172.5	0.1467E-03	15	0- 90	0.2262E-02	90-180	0.1351E-02
30-45.00	0.4488E 00	-7.5 TO 82.5	0.1293E-03	82.5-172.5	0.5033E-04	30	0- 90	0.1198E-02	90-180	0.4968E-03
45-60.00	0.5848E 00	-7.5 TO 82.5	0.3084E-04	82.5-172.5	0.8885E-05	45	0- 90	0.4070E-03	90-180	0.1321E-03
60-63.26	0.1412E 00	-7.5 TO 82.5	0.4444E-06	82.5-172.5	0.	60	0- 90	0.1031E-04	90-180	0.
0-15.00	0.1123E 00	-7.5 TO 97.5	0.4063E-03	82.5-187.5	0.2936E-03	0	0-105	0.2840E-02	90-195	0.2840E-02
15-30.00	0.3291E 00	-7.5 TO 97.5	0.2772E-03	82.5-187.5	0.1411E-03	15	0-105	0.2542E-02	90-195	0.1541E-02
30-45.00	0.5236E 00	-7.5 TO 97.5	0.1220E-03	82.5-187.5	0.4768E-04	30	0-105	0.1319E-02	90-195	0.5569E-03
45-60.00	0.6823E 00	-7.5 TO 97.5	0.2867E-04	82.5-187.5	0.8301E-05	45	0-105	0.4426E-03	90-195	0.1465E-03
60-63.26	0.1647E 00	-7.5 TO 97.5	0.3809E-06	82.5-187.5	0.	60	0-105	0.1031E-04	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

r_2/r_1 = 0.10 d/r_1 = 2.000 $\cosh \mu_1$ = 1.2475 $\cosh \mu_2$ = 7.5250 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 82.36

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1604E-01	-7.5 TO 7.5	0.4855E-03	82.5- 97.5	0.3566E-03	0	0- 15	0.4167E-03	90-105	0.4167E-03
15-30.00	0.4702E-01	-7.5 TO 7.5	0.3791E-03	82.5- 97.5	0.2077E-03	15	0- 15	0.4759E-03	90-105	0.2857E-03
30-45.00	0.7479E-01	-7.5 TO 7.5	0.1828E-03	82.5- 97.5	0.8139E-04	30	0- 15	0.2841E-03	90-105	0.1231E-03
45-60.00	0.9747E-01	-7.5 TO 7.5	0.4753E-04	82.5- 97.5	0.1640E-04	45	0- 15	0.1042E-03	90-105	0.3627E-04
60-63.26	0.2353E-01	-7.5 TO 7.5	0.1739E-05	82.5- 97.5	0.	60	0- 15	0.5735E-05	90-105	0.
0-15.00	0.3207E-01	-7.5 TO 22.5	0.4831E-03	82.5-112.5	0.3427E-03	0	0- 30	0.8333E-03	90-120	0.8333E-03
15-30.00	0.9404E-01	-7.5 TO 22.5	0.3758E-03	82.5-112.5	0.1913E-03	15	0- 30	0.9388E-03	90-120	0.5388E-03
30-45.00	0.1496E 00	-7.5 TO 22.5	0.1808E-03	82.5-112.5	0.7244E-04	30	0- 30	0.5566E-03	90-120	0.2226E-03
45-60.00	0.1949E 00	-7.5 TO 22.5	0.4684E-04	82.5-112.5	0.1409E-04	45	0- 30	0.2032E-03	90-120	0.6371E-04
60-63.26	0.4706E-01	-7.5 TO 22.5	0.1642E-05	82.5-112.5	0.	60	0- 30	0.1061E-04	90-120	0.
0-15.00	0.4811E-01	-7.5 TO 37.5	0.4776E-03	82.5-127.5	0.3302E-03	0	0- 45	0.1250E-02	90-135	0.1250E-02
15-30.00	0.1411E 00	-7.5 TO 37.5	0.3683E-03	82.5-127.5	0.1772E-03	15	0- 45	0.1377E-02	90-135	0.7660E-03
30-45.00	0.2244E 00	-7.5 TO 37.5	0.1762E-03	82.5-127.5	0.6510E-04	30	0- 45	0.8074E-03	90-135	0.3048E-03
45-60.00	0.2924E 00	-7.5 TO 37.5	0.4530E-04	82.5-127.5	0.1228E-04	45	0- 45	0.2926E-03	90-135	0.8517E-04
60-63.26	0.7060E-01	-7.5 TO 37.5	0.1450E-05	82.5-127.5	0.	60	0- 45	0.1401E-04	90-135	0.
0-15.00	0.6415E-01	-7.5 TO 52.5	0.4694E-03	82.5-142.5	0.3192E-03	0	0- 60	0.1667E-02	90-150	0.1667E-02
15-30.00	0.1881E 00	-7.5 TO 52.5	0.3571E-03	82.5-142.5	0.1654E-03	15	0- 60	0.1781E-02	90-150	0.9740E-03
30-45.00	0.2992E 00	-7.5 TO 52.5	0.1694E-03	82.5-142.5	0.5920E-04	30	0- 60	0.1029E-02	90-150	0.3754E-03
45-60.00	0.3899E 00	-7.5 TO 52.5	0.4307E-04	82.5-142.5	0.1089E-04	45	0- 60	0.3694E-03	90-150	0.1028E-03
60-63.26	0.9413E-01	-7.5 TO 52.5	0.1222E-05	82.5-142.5	0.	60	0- 60	0.1579E-04	90-150	0.
0-15.00	0.8018E-01	-7.5 TO 67.5	0.4590E-03	82.5-157.5	0.3100E-03	0	0- 75	0.2083E-02	90-165	0.2083E-02
15-30.00	0.2351E 00	-7.5 TO 67.5	0.3430E-03	82.5-157.5	0.1557E-03	15	0- 75	0.2166E-02	90-165	0.1169E-02
30-45.00	0.3740E 00	-7.5 TO 67.5	0.1609E-03	82.5-157.5	0.5454E-04	30	0- 75	0.1217E-02	90-165	0.4389E-03
45-60.00	0.4874E 00	-7.5 TO 67.5	0.4036E-04	82.5-157.5	0.9829E-05	45	0- 75	0.4319E-03	90-165	0.1183E-03
60-63.26	0.1177E 00	-7.5 TO 67.5	0.1010E-05	82.5-157.5	0.	60	0- 75	0.1632E-04	90-165	0.
0-15.00	0.9622E-01	-7.5 TO 82.5	0.4469E-03	82.5-172.5	0.3024E-03	0	0- 90	0.2500E-02	90-180	0.2500E-02
15-30.00	0.2821E 00	-7.5 TO 82.5	0.3269E-03	82.5-172.5	0.1481E-03	15	0- 90	0.2470E-02	90-180	0.1359E-02
30-45.00	0.4488E 00	-7.5 TO 82.5	0.1513E-03	82.5-172.5	0.5091E-04	30	0- 90	0.1370E-02	90-180	0.4990E-03
45-60.00	0.5848E 00	-7.5 TO 82.5	0.3740E-04	82.5-172.5	0.9027E-05	45	0- 90	0.4803E-03	90-180	0.1327E-03
60-63.26	0.1412E 00	-7.5 TO 82.5	0.8451E-06	82.5-172.5	0.	60	0- 90	0.1635E-04	90-180	0.
0-15.00	0.1123E 00	-7.5 TO 97.5	0.4340E-03	82.5-187.5	0.2967E-03	0	0-105	0.2917E-02	90-195	0.2917E-02
15-30.00	0.3291E 00	-7.5 TO 97.5	0.3099E-03	82.5-187.5	0.1423E-03	15	0-105	0.2755E-02	90-195	0.1548E-02
30-45.00	0.5236E 00	-7.5 TO 97.5	0.1414E-03	82.5-187.5	0.4818E-04	30	0-105	0.1493E-02	90-195	0.5591E-03
45-60.00	0.6823E 00	-7.5 TO 97.5	0.3440E-04	82.5-187.5	0.8424E-05	45	0-105	0.5166E-03	90-195	0.1472E-03
60-63.26	0.1647E 00	-7.5 TO 97.5	0.7244E-06	82.5-187.5	0.	60	0-105	0.1635E-04	90-195	0.

r_2/r_1 = 0.10 d/r_1 = 2.000 $\cosh \mu_1$ = 1.2475 $\cosh \mu_2$ = 7.5250 $\alpha_{2,max}$ = 105.00 $\theta_{2,min}$ = 67.75

0-15.00	0.1604E-01	-7.5 TO 7.5	0.4884E-03	82.5- 97.5	0.3566E-03	0	0- 15	0.4167E-03	90-105	0.4167E-03
15-30.00	0.4702E-01	-7.5 TO 7.5	0.3954E-03	82.5- 97.5	0.2077E-03	15	0- 15	0.4835E-03	90-105	0.2857E-03
30-45.00	0.7479E-01	-7.5 TO 7.5	0.1982E-03	82.5- 97.5	0.8139E-04	30	0- 15	0.3032E-03	90-105	0.1231E-03
45-60.00	0.9747E-01	-7.5 TO 7.5	0.5299E-04	82.5- 97.5	0.1641E-04	45	0- 15	0.1147E-03	90-105	0.3627E-04
60-63.26	0.2353E-01	-7.5 TO 7.5	0.2341E-05	82.5- 97.5	0.	60	0- 15	0.7040E-05	90-105	0.
0-15.00	0.3207E-01	-7.5 TO 22.5	0.4858E-03	82.5-112.5	0.3427E-03	0	0- 30	0.8333E-03	90-120	0.8333E-03
15-30.00	0.9404E-01	-7.5 TO 22.5	0.3914E-03	82.5-112.5	0.1913E-03	15	0- 30	0.9524E-03	90-120	0.5388E-03
30-45.00	0.1496E 00	-7.5 TO 22.5	0.1956E-03	82.5-112.5	0.7244E-04	30	0- 30	0.5919E-03	90-120	0.2226E-03
45-60.00	0.1949E 00	-7.5 TO 22.5	0.5211E-04	82.5-112.5	0.1409E-04	45	0- 30	0.2228E-03	90-120	0.6371E-04
60-63.26	0.4706E-01	-7.5 TO 22.5	0.2210E-05	82.5-112.5	0.	60	0- 30	0.1300E-04	90-120	0.
0-15.00	0.4811E-01	-7.5 TO 37.5	0.4800E-03	82.5-127.5	0.3302E-03	0	0- 45	0.1250E-02	90-135	0.1250E-02
15-30.00	0.1411E 00	-7.5 TO 37.5	0.3823E-03	82.5-127.5	0.1772E-03	15	0- 45	0.1394E-02	90-135	0.7660E-03
30-45.00	0.2244E 00	-7.5 TO 37.5	0.1898E-03	82.5-127.5	0.6510E-04	30	0- 45	0.8537E-03	90-135	0.3048E-03
45-60.00	0.2924E 00	-7.5 TO 37.5	0.5018E-04	82.5-127.5	0.1228E-04	45	0- 45	0.3189E-03	90-135	0.8517E-04
60-63.26	0.7060E-01	-7.5 TO 37.5	0.1950E-05	82.5-127.5	0.	60	0- 45	0.1712E-04	90-135	0.
0-15.00	0.6415E-01	-7.5 TO 52.5	0.4714E-03	82.5-142.5	0.3192E-03	0	0- 60	0.1667E-02	90-150	0.1667E-02
15-30.00	0.1881E 00	-7.5 TO 52.5	0.3691E-03	82.5-142.5	0.1654E-03	15	0- 60	0.1800E-02	90-150	0.9740E-03
30-45.00	0.2992E 00	-7.5 TO 52.5	0.1814E-03	82.5-142.5	0.5920E-04	30	0- 60	0.1080E-02	90-150	0.3754E-03
45-60.00	0.3899E 00	-7.5 TO 52.5	0.4739E-04	82.5-142.5	0.1089E-04	45	0- 60	0.3993E-03	90-150	0.1028E-03
60-63.26	0.9413E-01	-7.5 TO 52.5	0.1640E-05	82.5-142.5	0.	60	0- 60	0.1923E-04	90-150	0.
0-15.00	0.8018E-01	-7.5 TO 67.5	0.4606E-03	82.5-157.5	0.3100E-03	0	0- 75	0.2083E-02	90-165	0.2083E-02
15-30.00	0.2351E 00	-7.5 TO 67.5	0.3530E-03	82.5-157.5	0.1557E-03	15	0- 75	0.2164E-02	90-165	0.1169E-02
30-45.00	0.3740E 00	-7.5 TO 67.5	0.1711E-03	82.5-157.5	0.5454E-04	30	0- 75	0.1269E-02	90-165	0.4389E-03
45-60.00	0.4874E 00	-7.5 TO 67.5	0.4404E-04	82.5-157.5	0.9830E-05	45	0- 75	0.4628E-03	90-165	0.1183E-03
60-63.26	0.1177E 00	-7.5 TO 67.5	0.1354E-05	82.5-157.5	0.	60	0- 75	0.1983E-04	90-165	0.
0-15.00	0.9622E-01	-7.5 TO 82.5	0.4483E-03	82.5-172.5	0.3024E-03	0	0- 90	0.2500E-02	90-180	0.2500E-02
15-30.00	0.2821E 00	-7.5 TO 82.5	0.3353E-03	82.5-172.5	0.1481E-03	15	0- 90	0.2488E-02	90-180	0.1359E-02
30-45.00	0.4488E 00	-7.5 TO 82.5	0.1599E-03	82.5-172.5	0.5091E-04	30	0- 90	0.1423E-02	90-180	0.4990E-03
45-60.00	0.5848E 00	-7.5 TO 82.5	0.4050E-04	82.5-172.5	0.9027E-05	45	0- 90	0.5112E-03	90-180	0.1327E-03
60-63.26	0.1412E 00	-7.5 TO 82.5	0.1132E-05	82.5-172.5	0.	60	0- 90	0.1987E-04	90-180	0.
0-15.00	0.1123E 00	-7.5 TO 97.5	0.4352E-03	82.5-187.5	0.2967E-03	0	0-105	0.2917E-02	90-195	0.2917E-02
15-30.00	0.3291E 00	-7.5 TO 97.5	0.3171E-03	82.5-187.5	0.1423E-03	15	0-105	0.2774E-02	90-195	0.1548E-02
30-45.00	0.5236E 00	-7.5 TO 97.5	0.1487E-03	82.5-187.5	0.4818E-04	30	0-105	0.1546E-02	90-195	0.5591E-03
45-60.00	0.6823E 00	-7.5 TO 97.5	0.3706E-04	82.5-187.5	0.8424E-05	45	0-105	0.5474E-03	90-195	0.1472E-03
60-63.26	0.1647E 00	-7.5 TO 97.5	0.9706E-06	82.5-187.5	0.	60	0-105	0.1987E-04	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

$r_2/r_1 = 0.10$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2475$ $\cosh \mu_2 = 7.5250$ $\alpha_{2,max} = 116.74$ $\theta_{2,min} = 56.63$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1604E-01	-7.5 TO 7.5	0.4884E-03	82.5- 97.5	0.3566E-03	0	0- 15	0.4167E-03	90-105	0.4167E-03
15-30.00	0.4702E-01	-7.5 TO 7.5	0.3956E-03	82.5- 97.5	0.2077E-03	15	0- 15	0.4835E-03	90-105	0.2857E-03
30-45.00	0.7479E-01	-7.5 TO 7.5	0.1999E-03	82.5- 97.5	0.8139E-04	30	0- 15	0.3040E-03	90-105	0.1231E-03
45-60.00	0.9747E-01	-7.5 TO 7.5	0.5407E-04	82.5- 97.5	0.1641E-04	45	0- 15	0.1164E-03	90-105	0.3627E-04
60-63.26	0.2353E-01	-7.5 TO 7.5	0.2490E-05	82.5- 97.5	0.	60	0- 15	0.7339E-05	90-105	0.
0-15.00	0.3207E-01	-7.5 TO 22.5	0.4858E-03	82.5-112.5	0.3427E-03	0	0- 30	0.8333E-03	90-120	0.8333E-03
15-30.00	0.9404E-01	-7.5 TO 22.5	0.3915E-03	82.5-112.5	0.1913E-03	15	0- 30	0.9524E-03	90-120	0.5388E-03
30-45.00	0.1496E 00	-7.5 TO 22.5	0.1971E-03	82.5-112.5	0.7244E-04	30	0- 30	0.5931E-03	90-120	0.2226E-03
45-60.00	0.1949E 00	-7.5 TO 22.5	0.5311E-04	82.5-112.5	0.1409E-04	45	0- 30	0.2257E-03	90-120	0.6371E-04
60-63.26	0.4706E-01	-7.5 TO 22.5	0.2344E-05	82.5-112.5	0.	60	0- 30	0.1350E-04	90-120	0.
0-15.00	0.4811E-01	-7.5 TO 37.5	0.4800E-03	82.5-127.5	0.3302E-03	0	0- 45	0.1250E-02	90-135	0.1250E-02
15-30.00	0.1411E 00	-7.5 TO 37.5	0.3824E-03	82.5-127.5	0.1772E-03	15	0- 45	0.1394E-02	90-135	0.7660E-03
30-45.00	0.2244E 00	-7.5 TO 37.5	0.1910E-03	82.5-127.5	0.6510E-04	30	0- 45	0.8549E-03	90-135	0.3048E-03
45-60.00	0.2924E 00	-7.5 TO 37.5	0.5100E-04	82.5-127.5	0.1228E-04	45	0- 45	0.3222E-03	90-135	0.8517E-04
60-63.26	0.7060E-01	-7.5 TO 37.5	0.2059E-05	82.5-127.5	0.	60	0- 45	0.1769E-04	90-135	0.
0-15.00	0.6415E-01	-7.5 TO 52.5	0.4714E-03	82.5-142.5	0.3192E-03	0	0- 60	0.1667E-02	90-150	0.1667E-02
15-30.00	0.1881E 00	-7.5 TO 52.5	0.3692E-03	82.5-142.5	0.1654E-03	15	0- 60	0.1800E-02	90-150	0.9740E-03
30-45.00	0.2992E 00	-7.5 TO 52.5	0.1823E-03	82.5-142.5	0.5920E-04	30	0- 60	0.1082E-02	90-150	0.3754E-03
45-60.00	0.3899E 00	-7.5 TO 52.5	0.4803E-04	82.5-142.5	0.1089E-04	45	0- 60	0.4025E-03	90-150	0.1028E-03
60-63.26	0.9413E-01	-7.5 TO 52.5	0.1724E-05	82.5-142.5	0.	60	0- 60	0.1980E-04	90-150	0.
0-15.00	0.8018E-01	-7.5 TO 67.5	0.4606E-03	82.5-157.5	0.3100E-03	0	0- 75	0.2083E-02	90-165	0.2083E-02
15-30.00	0.2351E 00	-7.5 TO 67.5	0.3531E-03	82.5-157.5	0.1557E-03	15	0- 75	0.2164E-02	90-165	0.1169E-02
30-45.00	0.3740E 00	-7.5 TO 67.5	0.1718E-03	82.5-157.5	0.5454E-04	30	0- 75	0.1271E-02	90-165	0.4389E-03
45-60.00	0.4874E 00	-7.5 TO 67.5	0.4456E-04	82.5-157.5	0.9830E-05	45	0- 75	0.4661E-03	90-165	0.1163E-03
60-63.26	0.1177E 00	-7.5 TO 67.5	0.1421E-05	82.5-157.5	0.	60	0- 75	0.2040E-04	90-165	0.
0-15.00	0.9622E-01	-7.5 TO 82.5	0.4483E-03	82.5-172.5	0.3024E-03	0	0- 90	0.2500E-02	90-180	0.2500E-02
15-30.00	0.2821E 00	-7.5 TO 82.5	0.3353E-03	82.5-172.5	0.1481E-03	15	0- 90	0.2488E-02	90-180	0.1359E-02
30-45.00	0.4488E 00	-7.5 TO 82.5	0.1605E-03	82.5-172.5	0.5091E-04	30	0- 90	0.1424E-02	90-180	0.4990E-03
45-60.00	0.5848E 00	-7.5 TO 82.5	0.4093E-04	82.5-172.5	0.9027E-05	45	0- 90	0.5145E-03	90-180	0.1327E-03
60-63.26	0.1412E 00	-7.5 TO 82.5	0.1189E-05	82.5-172.5	0.	60	0- 90	0.2044E-04	90-180	0.
0-15.00	0.1123E 00	-7.5 TO 97.5	0.4352E-03	82.5-187.5	0.2967E-03	0	0-105	0.2917E-02	90-195	0.2917E-02
15-30.00	0.3291E 00	-7.5 TO 97.5	0.3171E-03	82.5-187.5	0.1423E-03	15	0-105	0.2774E-02	90-195	0.1548E-02
30-45.00	0.5236E 00	-7.5 TO 97.5	0.1492E-03	82.5-187.5	0.4818E-04	30	0-105	0.1547E-02	90-195	0.5591E-03
45-60.00	0.6823E 00	-7.5 TO 97.5	0.3742E-04	82.5-187.5	0.8424E-05	45	0-105	0.5507E-03	90-195	0.1472E-03
60-63.26	0.1647E 00	-7.5 TO 97.5	0.1019E-05	82.5-187.5	0.	60	0-105	0.2044E-04	90-195	0.

$r_2/r_1 = 0.10$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6650$ $\cosh \mu_2 = 13.3500$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 163.85$

0-15.00	0.5034E-02	-7.5 TO 7.5	0.7325E-05	82.5- 97.5	0.7179E-05	0	0- 15	0.7703E-05	90-105	0.7703E-05
15-30.00	0.1476E-01	-7.5 TO 7.5	0.5731E-05	82.5- 97.5	0.5484E-05	15	0- 15	0.6887E-05	90-105	0.6656E-05
30-45.00	0.2348E-01	-7.5 TO 7.5	0.3478E-05	82.5- 97.5	0.3257E-05	30	0- 15	0.4697E-05	90-105	0.4411E-05
45-60.00	0.3059E-01	-7.5 TO 7.5	0.1539E-05	82.5- 97.5	0.1414E-05	45	0- 15	0.2454E-05	90-105	0.2253E-05
60-72.54	0.2954E-01	-7.5 TO 7.5	0.2926E-06	82.5- 97.5	0.2569E-06	60	0- 15	0.7870E-06	90-105	0.7005E-06
0-15.00	0.1007E-01	-7.5 TO 22.5	0.7323E-05	82.5-112.5	0.7160E-05	0	0- 30	0.1541E-04	90-120	0.1541E-04
15-30.00	0.2952E-01	-7.5 TO 22.5	0.5727E-05	82.5-112.5	0.5453E-05	15	0- 30	0.1376E-04	90-120	0.1326E-04
30-45.00	0.4695E-01	-7.5 TO 22.5	0.3474E-05	82.5-112.5	0.3229E-05	30	0- 30	0.9377E-05	90-120	0.8760E-05
45-60.00	0.6119E-01	-7.5 TO 22.5	0.1537E-05	82.5-112.5	0.1398E-05	45	0- 30	0.4895E-05	90-120	0.4462E-05
60-72.54	0.5909E-01	-7.5 TO 22.5	0.2920E-06	82.5-112.5	0.2525E-06	60	0- 30	0.1569E-05	90-120	0.1382E-05
0-15.00	0.1510E-01	-7.5 TO 37.5	0.7317E-05	82.5-127.5	0.7142E-05	0	0- 45	0.2311E-04	90-135	0.2311E-04
15-30.00	0.4427E-01	-7.5 TO 37.5	0.5717E-05	82.5-127.5	0.5423E-05	15	0- 45	0.2061E-04	90-135	0.1982E-04
30-45.00	0.7043E-01	-7.5 TO 37.5	0.3465E-05	82.5-127.5	0.3203E-05	30	0- 45	0.1402E-04	90-135	0.1305E-04
45-60.00	0.9178E-01	-7.5 TO 37.5	0.1532E-05	82.5-127.5	0.1383E-05	45	0- 45	0.7313E-05	90-135	0.6632E-05
60-72.54	0.8863E-01	-7.5 TO 37.5	0.2905E-06	82.5-127.5	0.2484E-06	60	0- 45	0.2340E-05	90-135	0.2048E-05
0-15.00	0.2013E-01	-7.5 TO 52.5	0.7309E-05	82.5-142.5	0.7126E-05	0	0- 60	0.3081E-04	90-150	0.3081E-04
15-30.00	0.5903E-01	-7.5 TO 52.5	0.5703E-05	82.5-142.5	0.5395E-05	15	0- 60	0.2741E-04	90-150	0.2634E-04
30-45.00	0.9390E-01	-7.5 TO 52.5	0.3452E-05	82.5-142.5	0.3178E-05	30	0- 60	0.1862E-04	90-150	0.1730E-04
45-60.00	0.1224E 00	-7.5 TO 52.5	0.1524E-05	82.5-142.5	0.1369E-05	45	0- 60	0.9697E-05	90-150	0.8770E-05
60-72.54	0.1182E 00	-7.5 TO 52.5	0.2883E-06	82.5-142.5	0.2447E-06	60	0- 60	0.3097E-05	90-150	0.2700E-05
0-15.00	0.2517E-01	-7.5 TO 67.5	0.7297E-05	82.5-157.5	0.7111E-05	0	0- 75	0.3851E-04	90-165	0.3851E-04
15-30.00	0.7379E-01	-7.5 TO 67.5	0.5684E-05	82.5-157.5	0.5371E-05	15	0- 75	0.3417E-04	90-165	0.3283E-04
30-45.00	0.1174E 00	-7.5 TO 67.5	0.3435E-05	82.5-157.5	0.3157E-05	30	0- 75	0.2316E-04	90-165	0.2151E-04
45-60.00	0.1530E 00	-7.5 TO 67.5	0.1515E-05	82.5-157.5	0.1357E-05	45	0- 75	0.1204E-04	90-165	0.1089E-04
60-72.54	0.1477E 00	-7.5 TO 67.5	0.2855E-06	82.5-157.5	0.2414E-06	60	0- 75	0.3836E-05	90-165	0.3343E-05
0-15.00	0.3020E-01	-7.5 TO 82.5	0.7284E-05	82.5-172.5	0.7099E-05	0	0- 90	0.4622E-04	90-180	0.4622E-04
15-30.00	0.8855E-01	-7.5 TO 82.5	0.5661E-05	82.5-172.5	0.5351E-05	15	0- 90	0.4088E-04	90-180	0.3931E-04
30-45.00	0.1409E 00	-7.5 TO 82.5	0.3415E-05	82.5-172.5	0.3139E-05	30	0- 90	0.2764E-04	90-180	0.2571E-04
45-60.00	0.1836E 00	-7.5 TO 82.5	0.1503E-05	82.5-172.5	0.1347E-05	45	0- 90	0.1434E-04	90-180	0.1299E-04
60-72.54	0.1773E 00	-7.5 TO 82.5	0.2823E-06	82.5-172.5	0.2387E-06	60	0- 90	0.4556E-05	90-180	0.3982E-05
0-15.00	0.3523E-01	-7.5 TO 97.5	0.7269E-05	82.5-187.5	0.7090E-05	0	0-105	0.5392E-04	90-195	0.5392E-04
15-30.00	0.1033E 00	-7.5 TO 97.5	0.5636E-05	82.5-187.5	0.5336E-05	15	0-105	0.4754E-04	90-195	0.4580E-04
30-45.00	0.1643E 00	-7.5 TO 97.5	0.3392E-05	82.5-187.5	0.3126E-05	30	0-105	0.3205E-04	90-195	0.2991E-04
45-60.00	0.2142E 00	-7.5 TO 97.5	0.1490E-05	82.5-187.5	0.1340E-05	45	0-105	0.1659E-04	90-195	0.1510E-04
60-72.54	0.2068E 00	-7.5 TO 97.5	0.2786E-06	82.5-187.5	0.2366E-06	60	0-105	0.5257E-05	90-195	0.4620E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

$r_2/r_1 = 0.10$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6650$ $\cosh \mu_2 = 13.3500$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 147.78$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5034E-02	-7.5 TO 7.5	0.2761E-04	82.5- 97.5	0.2651E-04	0	0- 15	0.2843E-04	90-105	0.2843E-04
15-30.00	0.1476E-01	-7.5 TO 7.5	0.2213E-04	82.5- 97.5	0.2027E-04	15	0- 15	0.2622E-04	90-105	0.2448E-04
30-45.00	0.2348E-01	-7.5 TO 7.5	0.1373E-04	82.5- 97.5	0.1205E-04	30	0- 15	0.1835E-04	90-105	0.1619E-04
45-60.00	0.3059E-01	-7.5 TO 7.5	0.6202E-05	82.5- 97.5	0.5242E-05	45	0- 15	0.9787E-05	90-105	0.8258E-05
60-72.54	0.2954E-01	-7.5 TO 7.5	0.1249E-05	82.5- 97.5	0.9577E-06	60	0- 15	0.3229E-05	90-105	0.2567E-05
0-15.00	0.1007E-01	-7.5 TO 22.5	0.2759E-04	82.5-112.5	0.2637E-04	0	0- 30	0.5687E-04	90-120	0.5687E-04
15-30.00	0.2952E-01	-7.5 TO 22.5	0.2210E-04	82.5-112.5	0.2003E-04	15	0- 30	0.5233E-04	90-120	0.4858E-04
30-45.00	0.4695E-01	-7.5 TO 22.5	0.1370E-04	82.5-112.5	0.1184E-04	30	0- 30	0.3657E-04	90-120	0.3191E-04
45-60.00	0.6119E-01	-7.5 TO 22.5	0.6185E-05	82.5-112.5	0.5125E-05	45	0- 30	0.1948E-04	90-120	0.1619E-04
60-72.54	0.5909E-01	-7.5 TO 22.5	0.1243E-05	82.5-112.5	0.9257E-06	60	0- 30	0.6415E-05	90-120	0.4998E-05
0-15.00	0.1510E-01	-7.5 TO 37.5	0.2755E-04	82.5-127.5	0.2623E-04	0	0- 45	0.8530E-04	90-135	0.8530E-04
15-30.00	0.4427E-01	-7.5 TO 37.5	0.2203E-04	82.5-127.5	0.1981E-04	15	0- 45	0.7824E-04	90-135	0.7233E-04
30-45.00	0.7043E-01	-7.5 TO 37.5	0.1363E-04	82.5-127.5	0.1165E-04	30	0- 45	0.5454E-04	90-135	0.4721E-04
45-60.00	0.9178E-01	-7.5 TO 37.5	0.6146E-05	82.5-127.5	0.5014E-05	45	0- 45	0.2899E-04	90-135	0.2384E-04
60-72.54	0.8863E-01	-7.5 TO 37.5	0.1230E-05	82.5-127.5	0.8959E-06	60	0- 45	0.9520E-05	90-135	0.7311E-05
0-15.00	0.2013E-01	-7.5 TO 52.5	0.2748E-04	82.5-142.5	0.2611E-04	0	0- 60	0.1137E-03	90-150	0.1137E-03
15-30.00	0.5903E-01	-7.5 TO 52.5	0.2192E-04	82.5-142.5	0.1960E-04	15	0- 60	0.1039E-03	90-150	0.9561E-04
30-45.00	0.9390E-01	-7.5 TO 52.5	0.1353E-04	82.5-142.5	0.1147E-04	30	0- 60	0.7214E-04	90-150	0.6218E-04
45-60.00	0.1224E 00	-7.5 TO 52.5	0.6088E-05	82.5-142.5	0.4914E-05	45	0- 60	0.3824E-04	90-150	0.3125E-04
60-72.54	0.1182E 00	-7.5 TO 52.5	0.1211E-05	82.5-142.5	0.8692E-06	60	0- 60	0.1251E-04	90-150	0.9529E-05
0-15.00	0.2517E-01	-7.5 TO 67.5	0.2739E-04	82.5-157.5	0.2600E-04	0	0- 75	0.1422E-03	90-165	0.1422E-03
15-30.00	0.7379E-01	-7.5 TO 67.5	0.2177E-04	82.5-157.5	0.1943E-04	15	0- 75	0.1291E-03	90-165	0.1191E-03
30-45.00	0.1174E 00	-7.5 TO 67.5	0.1340E-04	82.5-157.5	0.1131E-04	30	0- 75	0.8930E-04	90-165	0.7691E-04
45-60.00	0.1530E 00	-7.5 TO 67.5	0.6012E-05	82.5-157.5	0.4827E-05	45	0- 75	0.4718E-04	90-165	0.3850E-04
60-72.54	0.1477E 00	-7.5 TO 67.5	0.1187E-05	82.5-157.5	0.8462E-06	60	0- 75	0.1537E-04	90-165	0.1168E-04
0-15.00	0.3020E-01	-7.5 TO 82.5	0.2729E-04	82.5-172.5	0.2591E-04	0	0- 90	0.1706E-03	90-180	0.1706E-03
15-30.00	0.8855E-01	-7.5 TO 82.5	0.2160E-04	82.5-172.5	0.1928E-04	15	0- 90	0.1540E-03	90-180	0.1423E-03
30-45.00	0.1409E 00	-7.5 TO 82.5	0.1325E-04	82.5-172.5	0.1118E-04	30	0- 90	0.1060E-03	90-180	0.9152E-04
45-60.00	0.1836E 00	-7.5 TO 82.5	0.5924E-05	82.5-172.5	0.4755E-05	45	0- 90	0.5578E-04	90-180	0.4567E-04
60-72.54	0.1773E 00	-7.5 TO 82.5	0.1160E-05	82.5-172.5	0.8273E-06	60	0- 90	0.1808E-04	90-180	0.1380E-04
0-15.00	0.3523E-01	-7.5 TO 97.5	0.2718E-04	82.5-187.5	0.2584E-04	0	0-105	0.1990E-03	90-195	0.1990E-03
15-30.00	0.1033E 00	-7.5 TO 97.5	0.2141E-04	82.5-187.5	0.1916E-04	15	0-105	0.1785E-03	90-195	0.1654E-03
30-45.00	0.1643E 00	-7.5 TO 97.5	0.1308E-04	82.5-187.5	0.1108E-04	30	0-105	0.1222E-03	90-195	0.1061E-03
45-60.00	0.2142E 00	-7.5 TO 97.5	0.5827E-05	82.5-187.5	0.4700E-05	45	0-105	0.6404E-04	90-195	0.5284E-04
60-72.54	0.2068E 00	-7.5 TO 97.5	0.1131E-05	82.5-187.5	0.8128E-06	60	0-105	0.2065E-04	90-195	0.1592E-04

$r_2/r_1 = 0.10$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6650$ $\cosh \mu_2 = 13.3500$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 131.88$

0-15.00	0.5034E-02	-7.5 TO 7.5	0.5547E-04	82.5- 97.5	0.5213E-04	0	0- 15	0.5590E-04	90-105	0.5590E-04
15-30.00	0.1476E-01	-7.5 TO 7.5	0.4562E-04	82.5- 97.5	0.3991E-04	15	0- 15	0.5324E-04	90-105	0.4795E-04
30-45.00	0.2348E-01	-7.5 TO 7.5	0.2894E-04	82.5- 97.5	0.2379E-04	30	0- 15	0.3828E-04	90-105	0.3165E-04
45-60.00	0.3059E-01	-7.5 TO 7.5	0.1334E-04	82.5- 97.5	0.1038E-04	45	0- 15	0.2084E-04	90-105	0.1614E-04
60-72.54	0.2954E-01	-7.5 TO 7.5	0.2834E-05	82.5- 97.5	0.1911E-05	60	0- 15	0.7060E-05	90-105	0.5025E-05
0-15.00	0.1007E-01	-7.5 TO 22.5	0.5542E-04	82.5-112.5	0.5170E-04	0	0- 30	0.1118E-03	90-120	0.1118E-03
15-30.00	0.2952E-01	-7.5 TO 22.5	0.4552E-04	82.5-112.5	0.3919E-04	15	0- 30	0.1062E-03	90-120	0.9474E-04
30-45.00	0.4695E-01	-7.5 TO 22.5	0.2885E-04	82.5-112.5	0.2315E-04	30	0- 30	0.7614E-04	90-120	0.6188E-04
45-60.00	0.6119E-01	-7.5 TO 22.5	0.1329E-04	82.5-112.5	0.1002E-04	45	0- 30	0.4138E-04	90-120	0.3130E-04
60-72.54	0.5909E-01	-7.5 TO 22.5	0.2816E-05	82.5-112.5	0.1816E-05	60	0- 30	0.1399E-04	90-120	0.9648E-05
0-15.00	0.1510E-01	-7.5 TO 37.5	0.5528E-04	82.5-127.5	0.5130E-04	0	0- 45	0.1677E-03	90-135	0.1677E-03
15-30.00	0.4427E-01	-7.5 TO 37.5	0.4529E-04	82.5-127.5	0.3852E-04	15	0- 45	0.1584E-03	90-135	0.1405E-03
30-45.00	0.7043E-01	-7.5 TO 37.5	0.2864E-04	82.5-127.5	0.2256E-04	30	0- 45	0.1132E-03	90-135	0.9086E-04
45-60.00	0.9178E-01	-7.5 TO 37.5	0.1316E-04	82.5-127.5	0.9694E-05	45	0- 45	0.6135E-04	90-135	0.4560E-04
60-72.54	0.8863E-01	-7.5 TO 37.5	0.2775E-05	82.5-127.5	0.1730E-05	60	0- 45	0.2066E-04	90-135	0.1393E-04
0-15.00	0.2013E-01	-7.5 TO 52.5	0.5508E-04	82.5-142.5	0.5093E-04	0	0- 60	0.2236E-03	90-150	0.2236E-03
15-30.00	0.5903E-01	-7.5 TO 52.5	0.4494E-04	82.5-142.5	0.3791E-04	15	0- 60	0.2099E-03	90-150	0.1854E-03
30-45.00	0.9390E-01	-7.5 TO 52.5	0.2833E-04	82.5-142.5	0.2202E-04	30	0- 60	0.1492E-03	90-150	0.1188E-03
45-60.00	0.1224E 00	-7.5 TO 52.5	0.1298E-04	82.5-142.5	0.9398E-05	45	0- 60	0.8053E-04	90-150	0.5923E-04
60-72.54	0.1182E 00	-7.5 TO 52.5	0.2713E-05	82.5-142.5	0.1654E-05	60	0- 60	0.2698E-04	90-150	0.1793E-04
0-15.00	0.2517E-01	-7.5 TO 67.5	0.5483E-04	82.5-157.5	0.5060E-04	0	0- 75	0.2795E-03	90-165	0.2795E-03
15-30.00	0.7379E-01	-7.5 TO 67.5	0.4450E-04	82.5-157.5	0.3737E-04	15	0- 75	0.2602E-03	90-165	0.2298E-03
30-45.00	0.1174E 00	-7.5 TO 67.5	0.2792E-04	82.5-157.5	0.2155E-04	30	0- 75	0.1838E-03	90-165	0.1461E-03
45-60.00	0.1530E 00	-7.5 TO 67.5	0.1275E-04	82.5-157.5	0.9141E-05	45	0- 75	0.9875E-04	90-165	0.7237E-04
60-72.54	0.1477E 00	-7.5 TO 67.5	0.2636E-05	82.5-157.5	0.1589E-05	60	0- 75	0.3288E-04	90-165	0.2176E-04
0-15.00	0.3020E-01	-7.5 TO 82.5	0.5452E-04	82.5-172.5	0.5033E-04	0	0- 90	0.3354E-03	90-180	0.3354E-03
15-30.00	0.8855E-01	-7.5 TO 82.5	0.4397E-04	82.5-172.5	0.3693E-04	15	0- 90	0.3094E-03	90-180	0.2738E-03
30-45.00	0.1409E 00	-7.5 TO 82.5	0.2745E-04	82.5-172.5	0.2117E-04	30	0- 90	0.2169E-03	90-180	0.1730E-03
45-60.00	0.1836E 00	-7.5 TO 82.5	0.1247E-04	82.5-172.5	0.8929E-05	45	0- 90	0.1159E-03	90-180	0.8528E-04
60-72.54	0.1773E 00	-7.5 TO 82.5	0.2549E-05	82.5-172.5	0.1536E-05	60	0- 90	0.3834E-04	90-180	0.2548E-04
0-15.00	0.3523E-01	-7.5 TO 97.5	0.5418E-04	82.5-187.5	0.5013E-04	0	0-105	0.3913E-03	90-195	0.3913E-03
15-30.00	0.1033E 00	-7.5 TO 97.5	0.4339E-04	82.5-187.5	0.3658E-04	15	0-105	0.3573E-03	90-195	0.3179E-03
30-45.00	0.1643E 00	-7.5 TO 97.5	0.2693E-04	82.5-187.5	0.2087E-04	30	0-105	0.2486E-03	90-195	0.2000E-03
45-60.00	0.2142E 00	-7.5 TO 97.5	0.1217E-04	82.5-187.5	0.8765E-05	45	0-105	0.1321E-03	90-195	0.9818E-04
60-72.54	0.2068E 00	-7.5 TO 97.5	0.2458E-05	82.5-187.5	0.1495E-05	60	0-105	0.4337E-04	90-195	0.2921E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

r_2/r_1 = 0.10 d/r_1 = 3.000 $\cosh \mu_1$ = 1.6650 $\cosh \mu_2$ = 13.3500 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 116.21

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5034E-02	-7.5 TO 7.5	0.8339E-04	82.5- 97.5	0.7652E-04	0	0- 15	0.8202E-04	90-105	0.8202E-04
15-30.00	0.1476E-01	-7.5 TO 7.5	0.7045E-04	82.5- 97.5	0.5867E-04	15	0- 15	0.8094E-04	90-105	0.7007E-04
30-45.00	0.2348E-01	-7.5 TO 7.5	0.4579E-04	82.5- 97.5	0.3506E-04	30	0- 15	0.5985E-04	90-105	0.4615E-04
45-60.00	0.3059E-01	-7.5 TO 7.5	0.2150E-04	82.5- 97.5	0.1535E-04	45	0- 15	0.3328E-04	90-105	0.2354E-04
60-72.54	0.2954E-01	-7.5 TO 7.5	0.4777E-05	82.5- 97.5	0.2852E-05	60	0- 15	0.1155E-04	90-105	0.7347E-05
0-15.00	0.1007E-01	-7.5 TO 22.5	0.8327E-04	82.5-112.5	0.7565E-04	0	0- 30	0.1640E-03	90-120	0.1640E-03
15-30.00	0.2952E-01	-7.5 TO 22.5	0.7024E-04	82.5-112.5	0.5722E-04	15	0- 30	0.1612E-03	90-120	0.1378E-03
30-45.00	0.4695E-01	-7.5 TO 22.5	0.4555E-04	82.5-112.5	0.3377E-04	30	0- 30	0.1188E-03	90-120	0.8942E-04
45-60.00	0.6119E-01	-7.5 TO 22.5	0.2139E-04	82.5-112.5	0.1463E-04	45	0- 30	0.6593E-04	90-120	0.4508E-04
60-72.54	0.5909E-01	-7.5 TO 22.5	0.4738E-05	82.5-112.5	0.2667E-05	60	0- 30	0.2281E-04	90-120	0.1389E-04
0-15.00	0.1510E-01	-7.5 TO 37.5	0.8300E-04	82.5-127.5	0.7483E-04	0	0- 45	0.2461E-03	90-135	0.2461E-03
15-30.00	0.4427E-01	-7.5 TO 37.5	0.6977E-04	82.5-127.5	0.5584E-04	15	0- 45	0.2402E-03	90-135	0.2034E-03
30-45.00	0.7043E-01	-7.5 TO 37.5	0.4512E-04	82.5-127.5	0.3256E-04	30	0- 45	0.1761E-03	90-135	0.1302E-03
45-60.00	0.9178E-01	-7.5 TO 37.5	0.2113E-04	82.5-127.5	0.1397E-04	45	0- 45	0.9738E-04	90-135	0.6490E-04
60-72.54	0.8863E-01	-7.5 TO 37.5	0.4651E-05	82.5-127.5	0.2499E-05	60	0- 45	0.3353E-04	90-135	0.1976E-04
0-15.00	0.2013E-01	-7.5 TO 52.5	0.8259E-04	82.5-142.5	0.7408E-04	0	0- 60	0.3281E-03	90-150	0.3281E-03
15-30.00	0.5903E-01	-7.5 TO 52.5	0.6905E-04	82.5-142.5	0.5460E-04	15	0- 60	0.3174E-03	90-150	0.2673E-03
30-45.00	0.9390E-01	-7.5 TO 52.5	0.4446E-04	82.5-142.5	0.3147E-04	30	0- 60	0.2312E-03	90-150	0.1689E-03
45-60.00	0.1224E 00	-7.5 TO 52.5	0.2074E-04	82.5-142.5	0.1338E-04	45	0- 60	0.1272E-03	90-150	0.8334E-04
60-72.54	0.1182E 00	-7.5 TO 52.5	0.4521E-05	82.5-142.5	0.2353E-05	60	0- 60	0.4353E-04	90-150	0.2511E-04
0-15.00	0.2517E-01	-7.5 TO 67.5	0.8205E-04	82.5-157.5	0.7342E-04	0	0- 75	0.4101E-03	90-165	0.4101E-03
15-30.00	0.7379E-01	-7.5 TO 67.5	0.6813E-04	82.5-157.5	0.5351E-04	15	0- 75	0.3923E-03	90-165	0.3301E-03
30-45.00	0.1174E 00	-7.5 TO 67.5	0.4362E-04	82.5-157.5	0.3052E-04	30	0- 75	0.2834E-03	90-165	0.2062E-03
45-60.00	0.1530E 00	-7.5 TO 67.5	0.2026E-04	82.5-157.5	0.1286E-04	45	0- 75	0.1550E-03	90-165	0.1008E-03
60-72.54	0.1477E 00	-7.5 TO 67.5	0.4360E-05	82.5-157.5	0.2230E-05	60	0- 75	0.5266E-04	90-165	0.3010E-04
0-15.00	0.3020E-01	-7.5 TO 82.5	0.8142E-04	82.5-172.5	0.7287E-04	0	0- 90	0.4921E-03	90-180	0.4921E-03
15-30.00	0.8855E-01	-7.5 TO 82.5	0.6705E-04	82.5-172.5	0.5261E-04	15	0- 90	0.4649E-03	90-180	0.3922E-03
30-45.00	0.1409E 00	-7.5 TO 82.5	0.4263E-04	82.5-172.5	0.2974E-04	30	0- 90	0.3326E-03	90-180	0.2427E-03
45-60.00	0.1836E 00	-7.5 TO 82.5	0.1969E-04	82.5-172.5	0.1244E-04	45	0- 90	0.1806E-03	90-180	0.1179E-03
60-72.54	0.1773E 00	-7.5 TO 82.5	0.4178E-05	82.5-172.5	0.2129E-05	60	0- 90	0.6089E-04	90-180	0.3491E-04
0-15.00	0.3523E-01	-7.5 TO 97.5	0.8072E-04	82.5-187.5	0.7245E-04	0	0-105	0.5741E-03	90-195	0.5741E-03
15-30.00	0.1033E 00	-7.5 TO 97.5	0.6585E-04	82.5-187.5	0.5191E-04	15	0-105	0.5349E-03	90-195	0.4543E-03
30-45.00	0.1643E 00	-7.5 TO 97.5	0.4155E-04	82.5-187.5	0.2914E-04	30	0-105	0.3788E-03	90-195	0.2793E-03
45-60.00	0.2142E 00	-7.5 TO 97.5	0.1907E-04	82.5-187.5	0.1211E-04	45	0-105	0.2042E-03	90-195	0.1349E-03
60-72.54	0.2068E 00	-7.5 TO 97.5	0.3989E-05	82.5-187.5	0.2053E-05	60	0-105	0.6824E-04	90-195	0.3973E-04

r_2/r_1 = 0.10 d/r_1 = 3.000 $\cosh \mu_1$ = 1.6650 $\cosh \mu_2$ = 13.3500 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 100.81

0-15.00	0.5034E-02	-7.5 TO 7.5	0.1041E-03	82.5- 97.5	0.9288E-04	0	0- 15	0.9952E-04	90-105	0.9952E-04
15-30.00	0.1476E-01	-7.5 TO 7.5	0.9061E-04	82.5- 97.5	0.7132E-04	15	0- 15	0.1023E-03	90-105	0.8458E-04
30-45.00	0.2348E-01	-7.5 TO 7.5	0.6030E-04	82.5- 97.5	0.4272E-04	30	0- 15	0.7800E-04	90-105	0.5553E-04
45-60.00	0.3059E-01	-7.5 TO 7.5	0.2888E-04	82.5- 97.5	0.1877E-04	45	0- 15	0.4432E-04	90-105	0.2830E-04
60-72.54	0.2954E-01	-7.5 TO 7.5	0.6641E-05	82.5- 97.5	0.3518E-05	60	0- 15	0.1570E-04	90-105	0.8856E-05
0-15.00	0.1007E-01	-7.5 TO 22.5	0.1039E-03	82.5-112.5	0.9147E-04	0	0- 30	0.1990E-03	90-120	0.1990E-03
15-30.00	0.2952E-01	-7.5 TO 22.5	0.9027E-04	82.5-112.5	0.6895E-04	15	0- 30	0.2035E-03	90-120	0.1653E-03
30-45.00	0.4695E-01	-7.5 TO 22.5	0.5998E-04	82.5-112.5	0.4063E-04	30	0- 30	0.1566E-03	90-120	0.1064E-03
45-60.00	0.6119E-01	-7.5 TO 22.5	0.2869E-04	82.5-112.5	0.1762E-04	45	0- 30	0.8759E-04	90-120	0.5337E-04
60-72.54	0.5909E-01	-7.5 TO 22.5	0.6576E-05	82.5-112.5	0.3229E-05	60	0- 30	0.3093E-04	90-120	0.1645E-04
0-15.00	0.1510E-01	-7.5 TO 37.5	0.1034E-03	82.5-127.5	0.9013E-04	0	0- 45	0.2985E-03	90-135	0.2985E-03
15-30.00	0.4427E-01	-7.5 TO 37.5	0.8949E-04	82.5-127.5	0.6672E-04	15	0- 45	0.3027E-03	90-135	0.2427E-03
30-45.00	0.7043E-01	-7.5 TO 37.5	0.5926E-04	82.5-127.5	0.3867E-04	30	0- 45	0.2284E-03	90-135	0.1531E-03
45-60.00	0.9178E-01	-7.5 TO 37.5	0.2826E-04	82.5-127.5	0.1655E-04	45	0- 45	0.1289E-03	90-135	0.7566E-04
60-72.54	0.8863E-01	-7.5 TO 37.5	0.6432E-05	82.5-127.5	0.2972E-05	60	0- 45	0.4527E-04	90-135	0.2298E-04
0-15.00	0.2013E-01	-7.5 TO 52.5	0.1028E-03	82.5-142.5	0.8891E-04	0	0- 60	0.3981E-03	90-150	0.3981E-03
15-30.00	0.5903E-01	-7.5 TO 52.5	0.8832E-04	82.5-142.5	0.6670E-04	15	0- 60	0.3988E-03	90-150	0.3173E-03
30-45.00	0.9390E-01	-7.5 TO 52.5	0.5817E-04	82.5-142.5	0.3690E-04	30	0- 60	0.2984E-03	90-150	0.1966E-03
45-60.00	0.1224E 00	-7.5 TO 52.5	0.2763E-04	82.5-142.5	0.1560E-04	45	0- 60	0.1674E-03	90-150	0.9578E-04
60-72.54	0.1182E 00	-7.5 TO 52.5	0.6220E-05	82.5-142.5	0.2751E-05	60	0- 60	0.5840E-04	90-150	0.2873E-04
0-15.00	0.2517E-01	-7.5 TO 67.5	0.1019E-03	82.5-157.5	0.8784E-04	0	0- 75	0.4976E-03	90-165	0.4976E-03
15-30.00	0.7379E-01	-7.5 TO 67.5	0.8680E-04	82.5-157.5	0.6294E-04	15	0- 75	0.4914E-03	90-165	0.3900E-03
30-45.00	0.1174E 00	-7.5 TO 67.5	0.5679E-04	82.5-157.5	0.3538E-04	30	0- 75	0.3639E-03	90-165	0.2378E-03
45-60.00	0.1530E 00	-7.5 TO 67.5	0.2682E-04	82.5-157.5	0.1479E-04	45	0- 75	0.2027E-03	90-165	0.1145E-03
60-72.54	0.1477E 00	-7.5 TO 67.5	0.5956E-05	82.5-157.5	0.2568E-05	60	0- 75	0.7013E-04	90-165	0.3397E-04
0-15.00	0.3020E-01	-7.5 TO 82.5	0.1004E-03	82.5-172.5	0.8695E-04	0	0- 90	0.5971E-03	90-180	0.5971E-03
15-30.00	0.8855E-01	-7.5 TO 82.5	0.8503E-04	82.5-172.5	0.6148E-04	15	0- 90	0.5800E-03	90-180	0.4617E-03
30-45.00	0.1409E 00	-7.5 TO 82.5	0.5516E-04	82.5-172.5	0.3413E-04	30	0- 90	0.4244E-03	90-180	0.2779E-03
45-60.00	0.1836E 00	-7.5 TO 82.5	0.2588E-04	82.5-172.5	0.1414E-04	45	0- 90	0.2345E-03	90-180	0.1325E-03
60-72.54	0.1773E 00	-7.5 TO 82.5	0.5661E-05	82.5-172.5	0.2423E-05	60	0- 90	0.8040E-04	90-180	0.3898E-04
0-15.00	0.3523E-01	-7.5 TO 97.5	0.9973E-04	82.5-187.5	0.8626E-04	0	0-105	0.6966E-03	90-195	0.6966E-03
15-30.00	0.1033E 00	-7.5 TO 97.5	0.8307E-04	82.5-187.5	0.6035E-04	15	0-105	0.6645E-03	90-195	0.5334E-03
30-45.00	0.1643E 00	-7.5 TO 97.5	0.5339E-04	82.5-187.5	0.3317E-04	30	0-105	0.4800E-03	90-195	0.3179E-03
45-60.00	0.2142E 00	-7.5 TO 97.5	0.2487E-04	82.5-187.5	0.1364E-04	45	0-105	0.2628E-03	90-195	0.1505E-03
60-72.54	0.2068E 00	-7.5 TO 97.5	0.5355E-05	82.5-187.5	0.2313E-05	60	0-105	0.8926E-04	90-195	0.4399E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

r_2/r_1 = 0.10 d/r_1 = 3.000 $\cosh \mu_1$ = 1.6650 $\cosh \mu_2$ = 13.3500 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 85.70

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5034E-02	-7.5 TO 7.5	0.1127E-03	82.5- 97.5	0.9726E-04	0	0- 15	0.1042E-03	90-105	0.1042E-03
15-30.00	0.1476E-01	-7.5 TO 7.5	0.1017E-03	82.5- 97.5	0.7477E-04	15	0- 15	0.1125E-03	90-105	0.8805E-04
30-45.00	0.2348E-01	-7.5 TO 7.5	0.6951E-04	82.5- 97.5	0.4488E-04	30	0- 15	0.8882E-04	90-105	0.5762E-04
45-60.00	0.3059E-01	-7.5 TO 7.5	0.3390E-04	82.5- 97.5	0.1977E-04	45	0- 15	0.5162E-04	90-105	0.2932E-04
60-72.54	0.2954E-01	-7.5 TO 7.5	0.7983E-05	82.5- 97.5	0.3722E-05	60	0- 15	0.1861E-04	90-105	0.9180E-05
0-15.00	0.1007E-01	-7.5 TO 22.5	0.1124E-03	82.5-112.5	0.9541E-04	0	0- 30	0.2083E-03	90-120	0.2083E-03
15-30.00	0.2952E-01	-7.5 TO 22.5	0.1012E-03	82.5-112.5	0.7171E-04	15	0- 30	0.2235E-03	90-120	0.1712E-03
30-45.00	0.4695E-01	-7.5 TO 22.5	0.6906E-04	82.5-112.5	0.4220E-04	30	0- 30	0.1756E-03	90-120	0.1094E-03
45-60.00	0.6119E-01	-7.5 TO 22.5	0.3363E-04	82.5-112.5	0.1831E-04	45	0- 30	0.1018E-03	90-120	0.5472E-04
60-72.54	0.5909E-01	-7.5 TO 22.5	0.7893E-05	82.5-112.5	0.3366E-05	60	0- 30	0.3655E-04	90-120	0.1685E-04
0-15.00	0.1510E-01	-7.5 TO 37.5	0.1118E-03	82.5-127.5	0.9370E-04	0	0- 45	0.3125E-03	90-135	0.3125E-03
15-30.00	0.4427E-01	-7.5 TO 37.5	0.1001E-03	82.5-127.5	0.6894E-04	15	0- 45	0.3315E-03	90-135	0.2502E-03
30-45.00	0.7043E-01	-7.5 TO 37.5	0.6803E-04	82.5-127.5	0.3983E-04	30	0- 45	0.2586E-03	90-135	0.1565E-03
45-60.00	0.9178E-01	-7.5 TO 37.5	0.3303E-04	82.5-127.5	0.1704 -04	45	0- 45	0.1491E-03	90-135	0.7706E-04
60-72.54	0.8863E-01	-7.5 TO 37.5	0.7692E-05	82.5-127.5	0.3067E-05	60	0- 45	0.5324E-04	90-135	0.2339E-04
0-15.00	0.2013E-01	-7.5 TO 52.5	0.1109E-03	82.5-142.5	0.9216E-04	0	0- 60	0.4167E-03	90-150	0.4167E-03
15-30.00	0.5903E-01	-7.5 TO 52.5	0.9843E-04	82.5-142.5	0.6651E-04	15	0- 60	0.4353E-03	90-150	0.3259E-03
30-45.00	0.9390E-01	-7.5 TO 52.5	0.6650E-04	82.5-142.5	0.3779E-04	30	0- 60	0.3362E-03	90-150	0.2001E-03
45-60.00	0.1224E 00	-7.5 TO 52.5	0.3213E-04	82.5-142.5	0.1597E-04	45	0- 60	0.1925E-03	90-150	0.9718E-04
60-72.54	0.1182E 00	-7.5 TO 52.5	0.7398E-05	82.5-142.5	0.2823E-05	60	0- 60	0.6825E-04	90-150	0.2914E-04
0-15.00	0.2517E-01	-7.5 TO 67.5	0.1096E-03	82.5-157.5	0.9082E-04	0	0- 75	0.5208E-03	90-165	0.5208E-03
15-30.00	0.7379E-01	-7.5 TO 67.5	0.9630E-04	82.5-157.5	0.6444E-04	15	0- 75	0.5341E-03	90-165	0.3994E-03
30-45.00	0.1174E 00	-7.5 TO 67.5	0.6454E-04	82.5-157.5	0.3609E-04	30	0- 75	0.4073E-03	90-165	0.2413E-03
45-60.00	0.1530E 00	-7.5 TO 67.5	0.3099E-04	82.5-157.5	0.1509E-04	45	0- 75	0.2314E-03	90-165	0.1159E-03
60-72.54	0.1477E 00	-7.5 TO 67.5	0.7035E-05	82.5-157.5	0.2626E-05	60	0- 75	0.8130E-04	90-165	0.3439E-04
0-15.00	0.3020E-01	-7.5 TO 82.5	0.1082E-03	82.5-172.5	0.8972E-04	0	0- 90	0.6250E-03	90-180	0.6250E-03
15-30.00	0.8855E-01	-7.5 TO 82.5	0.9381E-04	82.5-172.5	0.6276E-04	15	0- 90	0.6275E-03	90-180	0.4718E-03
30-45.00	0.1409E 00	-7.5 TO 82.5	0.6225E-04	82.5-172.5	0.3472E-04	30	0- 90	0.4716E-03	90-180	0.2813E-03
45-60.00	0.1836E 00	-7.5 TO 82.5	0.2968E-04	82.5-172.5	0.1439E-04	45	0- 90	0.2653E-03	90-180	0.1339E-03
60-72.54	0.1773E 00	-7.5 TO 82.5	0.6631E-05	82.5-172.5	0.2471E-05	60	0- 90	0.9234E-04	90-180	0.3940E-04
0-15.00	0.3523E-01	-7.5 TO 97.5	0.1067E-03	82.5-187.5	0.8888E-04	0	0-105	0.7292E-03	90-195	0.7292E-03
15-30.00	0.1033E 00	-7.5 TO 97.5	0.9109E-04	82.5-187.5	0.6147E-04	15	0-105	0.7156E-03	90-195	0.5442E-03
30-45.00	0.1643E 00	-7.5 TO 97.5	0.5977E-04	82.5-187.5	0.3367E-04	30	0-105	0.5292E-03	90-195	0.3214E-03
45-60.00	0.2142E 00	-7.5 TO 97.5	0.2826E-04	82.5-187.5	0.1385E-04	45	0-105	0.2946E-03	90-195	0.1518E-03
60-72.54	0.2068E 00	-7.5 TO 97.5	0.6215E-05	82.5-187.5	0.2354E-05	60	0-105	0.1015E-03	90-195	0.4441E-04

r_2/r_1 = 0.10 d/r_1 = 3.000 $\cosh \mu_1$ = 1.6650 $\cosh \mu_2$ = 13.3500 $\alpha_{2,max}$ = 105.00 $\theta_{2,min}$ = 70.89

0-15.00	0.5034E-02	-7.5 TO 7.5	0.1129E-03	82.5- 97.5	0.9726E-04	0	0- 15	0.1042E-03	90-105	0.1042E-03
15-30.00	0.1476E-01	-7.5 TO 7.5	0.1032E-03	82.5- 97.5	0.7477E-04	15	0- 15	0.1131E-03	90-105	0.8805E-04
30-45.00	0.2348E-01	-7.5 TO 7.5	0.7199E-04	82.5- 97.5	0.4488E-04	30	0- 15	0.9102E-04	90-105	0.5762E-04
45-60.00	0.3059E-01	-7.5 TO 7.5	0.3571E-04	82.5- 97.5	0.1977E-04	45	0- 15	0.5399E-04	90-105	0.2932E-04
60-72.54	0.2954E-01	-7.5 TO 7.5	0.8526E-05	82.5- 97.5	0.3722E-05	60	0- 15	0.1974E-04	90-105	0.9180E-05
0-15.00	0.1007E-01	-7.5 TO 22.5	0.1126E-03	82.5-112.5	0.9541E-04	0	0- 30	0.2083E-03	90-120	0.2083E-03
15-30.00	0.2952E-01	-7.5 TO 22.5	0.1026E-03	82.5-112.5	0.7171E-04	15	0- 30	0.2245E-03	90-120	0.1712E-03
30-45.00	0.4695E-01	-7.5 TO 22.5	0.7144E-04	82.5-112.5	0.4220E-04	30	0- 30	0.1797E-03	90-120	0.1094E-03
45-60.00	0.6119E-01	-7.5 TO 22.5	0.3538E-04	82.5-112.5	0.1831E-04	45	0- 30	0.1061E-03	90-120	0.5472E-04
60-72.54	0.5909E-01	-7.5 TO 22.5	0.8415E-05	82.5-112.5	0.3366E-05	60	0- 30	0.3865E-04	90-120	0.1685E-04
0-15.00	0.1510E-01	-7.5 TO 37.5	0.1120E-03	82.5-127.5	0.9370E-04	0	0- 45	0.3125E-03	90-135	0.3125E-03
15-30.00	0.4427E-01	-7.5 TO 37.5	0.1014E-03	82.5-127.5	0.6894E-04	15	0- 45	0.3327E-03	90-135	0.2502E-03
30-45.00	0.7043E-01	-7.5 TO 37.5	0.7021E-04	82.5-127.5	0.3983E-04	30	0- 45	0.2638E-03	90-135	0.1565E-03
45-60.00	0.9178E-01	-7.5 TO 37.5	0.3463E-04	82.5-127.5	0.1704E-04	45	0- 45	0.1548E-03	90-135	0.7706E-04
60-72.54	0.8863E-01	-7.5 TO 37.5	0.8169E-05	82.5-127.5	0.3067E-05	60	0- 45	0.5602E-04	90-135	0.2339E-04
0-15.00	0.2013E-01	-7.5 TO 52.5	0.1110E-03	82.5-142.5	0.9216E-04	0	0- 60	0.4167E-03	90-150	0.4167E-03
15-30.00	0.5903E-01	-7.5 TO 52.5	0.9956E-04	82.5-142.5	0.6651E-04	15	0- 60	0.4366E-03	90-150	0.3259E-03
30-45.00	0.9390E-01	-7.5 TO 52.5	0.6839E-04	82.5-142.5	0.3779E-04	30	0- 60	0.3420E-03	90-150	0.2001E-03
45-60.00	0.1224E 00	-7.5 TO 52.5	0.3353E-04	82.5-142.5	0.1597E-04	45	0- 60	0.1990E-03	90-150	0.9718E-04
60-72.54	0.1182E 00	-7.5 TO 52.5	0.7814E-05	82.5-142.5	0.2823E-05	60	0- 60	0.7137E-04	90-150	0.2914E-04
0-15.00	0.2517E-01	-7.5 TO 67.5	0.1098E-03	82.5-157.5	0.9082E-04	0	0- 75	0.5208E-03	90-165	0.5208E-03
15-30.00	0.7379E-01	-7.5 TO 67.5	0.9725E-04	82.5-157.5	0.6444E-04	15	0- 75	0.5354E-03	90-165	0.3994E-03
30-45.00	0.1174E 00	-7.5 TO 67.5	0.6614E-04	82.5-157.5	0.3609E-04	30	0- 75	0.4133E-03	90-165	0.2413E-03
45-60.00	0.1530E 00	-7.5 TO 67.5	0.3218E-04	82.5-157.5	0.1509E-04	45	0- 75	0.2380E-03	90-165	0.1159E-03
60-72.54	0.1477E 00	-7.5 TO 67.5	0.7387E-05	82.5-157.5	0.2626E-05	60	0- 75	0.8453E-04	90-165	0.3439E-04
0-15.00	0.3020E-01	-7.5 TO 82.5	0.1083E-03	82.5-172.5	0.8972E-04	0	0- 90	0.6250E-03	90-180	0.6250E-03
15-30.00	0.8855E-01	-7.5 TO 82.5	0.9460E-04	82.5-172.5	0.6276E-04	15	0- 90	0.6288E-03	90-180	0.4718E-03
30-45.00	0.1409E 00	-7.5 TO 82.5	0.6360E-04	82.5-172.5	0.3472E-04	30	0- 90	0.4776E-03	90-180	0.2813E-03
45-60.00	0.1836E 00	-7.5 TO 82.5	0.3067E-04	82.5-172.5	0.1439E-04	45	0- 90	0.2720E-03	90-180	0.1339E-03
60-72.54	0.1773E 00	-7.5 TO 82.5	0.6927E-05	82.5-172.5	0.2471E-05	60	0- 90	0.9557E-04	90-180	0.3940E-04
0-15.00	0.3523E-01	-7.5 TO 97.5	0.1067E-03	82.5-187.5	0.8888E-04	0	0-105	0.7292E-03	90-195	0.7292E-03
15-30.00	0.1033E 00	-7.5 TO 97.5	0.9177E-04	82.5-187.5	0.6147E-04	15	0-105	0.7169E-03	90-195	0.5442E-03
30-45.00	0.1643E 00	-7.5 TO 97.5	0.6092E-04	82.5-187.5	0.3367E-04	30	0-105	0.5352E-03	90-195	0.3214E-03
45-60.00	0.2142E 00	-7.5 TO 97.5	0.2912E-04	82.5-187.5	0.1385E-04	45	0-105	0.3013E-03	90-195	0.1518E-03
60-72.54	0.2068E 00	-7.5 TO 97.5	0.6469E-05	82.5-187.5	0.2354E-05	60	0-105	0.1048E-03	90-195	0.4441E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

r_2/r_1 = 0.10 d/r_1 = 3.000 $\cosh \mu_1$ = 1.6650 $\cosh \mu_2$ = 13.3500 $\alpha_{2,max}$ = 107.46 $\theta_{2,min}$ = 68.49

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5034E-02	-7.5 TO 7.5	0.1129E-03	82.5- 97.5	0.9726E-04	0	0- 15	0.1042E-03	90-105	0.1042E-03
15-30.00	0.1476E-01	-7.5 TO 7.5	0.1032E-03	82.5- 97.5	0.7477E-04	15	0- 15	0.1131E-03	90-105	0.8805E-04
30-45.00	0.2348E-01	-7.5 TO 7.5	0.7199E-04	82.5- 97.5	0.4488E-04	30	0- 15	0.9102E-04	90-105	0.5762E-04
45-60.00	0.3059E-01	-7.5 TO 7.5	0.3572E-04	82.5- 97.5	0.1977E-04	45	0- 15	0.5399E-04	90-105	0.2932E-04
60-72.54	0.2954E-01	-7.5 TO 7.5	0.8534E-05	82.5- 97.5	0.3722E-05	60	0- 15	0.1975E-04	90-105	0.9180E-05
0-15.00	0.1007E-01	-7.5 TO 22.5	0.1126E-03	82.5-112.5	0.9541E-04	0	0- 30	0.2083E-03	90-120	0.2083E-03
15-30.00	0.2952E-01	-7.5 TO 22.5	0.1026E-03	82.5-112.5	0.7171E-04	15	0- 30	0.2245E-03	90-120	0.1712E-03
30-45.00	0.4695E-01	-7.5 TO 22.5	0.7144E-04	82.5-112.5	0.4220E-04	30	0- 30	0.1797E-03	90-120	0.1094E-03
45-60.00	0.6119E-01	-7.5 TO 22.5	0.3538E-04	82.5-112.5	0.1831E-04	45	0- 30	0.1061E-03	90-120	0.5472E-04
60-72.54	0.5909E-01	-7.5 TO 22.5	0.8421E-05	82.5-112.5	0.3366E-05	60	0- 30	0.3866E-04	90-120	0.1685E-04
0-15.00	0.1510E-01	-7.5 TO 37.5	0.1120E-03	82.5-127.5	0.9370E-04	0	0- 45	0.3125E-03	90-135	0.3125E-03
15-30.00	0.4427E-01	-7.5 TO 37.5	0.1014E-03	82.5-127.5	0.6894E-04	15	0- 45	0.3327E-03	90-135	0.2502E-03
30-45.00	0.7043E-01	-7.5 TO 37.5	0.7021E-04	82.5-127.5	0.3983E-04	30	0- 45	0.2638E-03	90-135	0.1565E-03
45-60.00	0.9178E-01	-7.5 TO 37.5	0.3463E-04	82.5-127.5	0.1704E-04	45	0- 45	0.1548E-03	90-135	0.7706E-04
60-72.54	0.8863E-01	-7.5 TO 37.5	0.8173E-05	82.5-127.5	0.3067E-05	60	0- 45	0.5603E-04	90-135	0.2339E-04
0-15.00	0.2013E-01	-7.5 TO 52.5	0.1110E-03	82.5-142.5	0.9216E-04	0	0- 60	0.4167E-03	90-150	0.4167E-03
15-30.00	0.5903E-01	-7.5 TO 52.5	0.9956E-04	82.5-142.5	0.6651E-04	15	0- 60	0.4366E-03	90-150	0.3259E-03
30-45.00	0.9390E-01	-7.5 TO 52.5	0.6839E-04	82.5-142.5	0.3779E-04	30	0- 60	0.3420E-03	90-150	0.2001E-03
45-60.00	0.1224E 00	-7.5 TO 52.5	0.3353E-04	82.5-142.5	0.1597E-04	45	0- 60	0.1990E-03	90-150	0.9718E-04
60-72.54	0.1182E 00	-7.5 TO 52.5	0.7817E-05	82.5-142.5	0.2823E-05	60	0- 60	0.7139E-04	90-150	0.2914E-04
0-15.00	0.2517E-01	-7.5 TO 67.5	0.1098E-03	82.5-157.5	0.9082E-04	0	0- 75	0.5208E-03	90-165	0.5208E-03
15-30.00	0.7379E-01	-7.5 TO 67.5	0.9725E-04	82.5-157.5	0.6444E-04	15	0- 75	0.5356E-03	90-165	0.3994E-03
30-45.00	0.1174E 00	-7.5 TO 67.5	0.6614E-04	82.5-157.5	0.3609E-04	30	0- 75	0.4133E-03	90-165	0.2413E-03
45-60.00	0.1530E 00	-7.5 TO 67.5	0.3218E-04	82.5-157.5	0.1509E-04	45	0- 75	0.2380E-03	90-165	0.1159E-03
60-72.54	0.1477E 00	-7.5 TO 67.5	0.7390E-05	82.5-157.5	0.2626E-05	60	0- 75	0.8455E-04	90-165	0.3439E-04
0-15.00	0.3020E-01	-7.5 TO 82.5	0.1083E-03	82.5-172.5	0.8972E-04	0	0- 90	0.6250E-03	90-180	0.6250E-03
15-30.00	0.8855E-01	-7.5 TO 82.5	0.9460E-04	82.5-172.5	0.6276E-04	15	0- 90	0.6288E-03	90-180	0.4718E-03
30-45.00	0.1409E 00	-7.5 TO 82.5	0.6360E-04	82.5-172.5	0.3472E-04	30	0- 90	0.4776E-03	90-180	0.2813E-03
45-60.00	0.1836E 00	-7.5 TO 82.5	0.3068E-04	82.5-172.5	0.1439E-04	45	0- 90	0.2720E-03	90-180	0.1339E-03
60-72.54	0.1773E 00	-7.5 TO 82.5	0.6929E-05	82.5-172.5	0.2471E-05	60	0- 90	0.9559E-04	90-180	0.3940E-04
0-15.00	0.3523E-01	-7.5 TO 97.5	0.1067E-03	82.5-187.5	0.8888E-04	0	0-105	0.7292E-03	90-195	0.7292E-03
15-30.00	0.1033E 00	-7.5 TO 97.5	0.9177E-04	82.5-187.5	0.6147E-04	15	0-105	0.7169E-03	90-195	0.5442E-03
30-45.00	0.1643E 00	-7.5 TO 97.5	0.6092E-04	82.5-187.5	0.3367E-04	30	0-105	0.5352E-03	90-195	0.3214E-03
45-60.00	0.2142E 00	-7.5 TO 97.5	0.2912E-04	82.5-187.5	0.1385E-04	45	0-105	0.3013E-03	90-195	0.1518E-03
60-72.54	0.2068E 00	-7.5 TO 97.5	0.6471E-05	82.5-187.5	0.2354E-05	60	0-105	0.1048E-03	90-195	0.4441E-04

r_2/r_1 = 0.10 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5990 $\cosh \mu_2$ = 24.0100 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 164.37

0-15.00	0.1550E-02	-7.5 TO 7.5	0.1778E-05	82.5- 97.5	0.1762E-05	0	0- 15	0.1832E-05	90-105	0.1832E-05
15-30.00	0.4545E-02	-7.5 TO 7.5	0.1540E-05	82.5- 97.5	0.1509E-05	15	0- 15	0.1717E-05	90-105	0.1690E-05
30-45.00	0.7230E-02	-7.5 TO 7.5	0.1133E-05	82.5- 97.5	0.1098E-05	30	0- 15	0.1371E-05	90-105	0.1331E-05
45-60.00	0.9422E-02	-7.5 TO 7.5	0.6760E-06	82.5- 97.5	0.6487E-06	45	0- 15	0.9138E-06	90-105	0.8768E-06
60-75.00	0.1097E-01	-7.5 TO 7.5	0.2580E-06	82.5- 97.5	0.2440E-06	60	0- 15	0.4608E-06	90-105	0.4370E-06
75-79.63	0.3586E-02	-7.5 TO 7.5	0.2687E-07	82.5- 97.5	0.2330E-07	75	0- 15	0.7589E-07	90-105	0.6788E-07
0-15.00	0.3100E-02	-7.5 TO 22.5	0.1778E-05	82.5-112.5	0.1760E-05	0	0- 30	0.3664E-05	90-120	0.3664E-05
15-30.00	0.9089E-02	-7.5 TO 22.5	0.1540E-05	82.5-112.5	0.1505E-05	15	0- 30	0.3432E-05	90-120	0.3375E-05
30-45.00	0.1446E-01	-7.5 TO 22.5	0.1133E-05	82.5-112.5	0.1094E-05	30	0- 30	0.2739E-05	90-120	0.2653E-05
45-60.00	0.1884E-01	-7.5 TO 22.5	0.6756E-06	82.5-112.5	0.6452E-06	45	0- 30	0.1825E-05	90-120	0.1745E-05
60-75.00	0.2194E-01	-7.5 TO 22.5	0.2577E-06	82.5-112.5	0.2422E-06	60	0- 30	0.9202E-06	90-120	0.8687E-06
75-79.63	0.7171E-02	-7.5 TO 22.5	0.2680E-07	82.5-112.5	0.2287E-07	75	0- 30	0.1513E-06	90-120	0.1340E-06
0-15.00	0.4650E-02	-7.5 TO 37.5	0.1777E-05	82.5-127.5	0.1758E-05	0	0- 45	0.5495E-05	90-135	0.5495E-05
15-30.00	0.1363E-01	-7.5 TO 37.5	0.1539E-05	82.5-127.5	0.1501E-05	15	0- 45	0.5145E-05	90-135	0.5054E-05
30-45.00	0.2169E-01	-7.5 TO 37.5	0.1131E-05	82.5-127.5	0.1089E-05	30	0- 45	0.4103E-05	90-135	0.3967E-05
45-60.00	0.2827E-01	-7.5 TO 37.5	0.6745E-06	82.5-127.5	0.6419E-06	45	0- 45	0.2733E-05	90-135	0.2606E-05
60-75.00	0.3292E-01	-7.5 TO 37.5	0.2572E-06	82.5-127.5	0.2405E-06	60	0- 45	0.1377E-05	90-135	0.1296E-05
75-79.63	0.1076E-01	-7.5 TO 37.5	0.2664E-07	82.5-127.5	0.2246E-07	75	0- 45	0.2257E-06	90-135	0.1986E-06
0-15.00	0.6200E-02	-7.5 TO 52.5	0.1776E-05	82.5-142.5	0.1756E-05	0	0- 60	0.7327E-05	90-150	0.7327E-05
15-30.00	0.1818E-01	-7.5 TO 52.5	0.1537E-05	82.5-142.5	0.1498E-05	15	0- 60	0.6852E-05	90-150	0.6729E-05
30-45.00	0.2892E-01	-7.5 TO 52.5	0.1129E-05	82.5-142.5	0.1085E-05	30	0- 60	0.5460E-05	90-150	0.5274E-05
45-60.00	0.3769E-01	-7.5 TO 52.5	0.6729E-06	82.5-142.5	0.6388E-06	45	0- 60	0.3634E-05	90-150	0.3462E-05
60-75.00	0.4389E-01	-7.5 TO 52.5	0.2563E-06	82.5-142.5	0.2390E-06	60	0- 60	0.1829E-05	90-150	0.1719E-05
75-79.63	0.1434E-01	-7.5 TO 52.5	0.2641E-07	82.5-142.5	0.2209E-07	75	0- 60	0.2988E-06	90-150	0.2620E-06
0-15.00	0.7751E-02	-7.5 TO 67.5	0.1775E-05	82.5-157.5	0.1754E-05	0	0- 75	0.9159E-05	90-165	0.9159E-05
15-30.00	0.2272E-01	-7.5 TO 67.5	0.1534E-05	82.5-157.5	0.1495E-05	15	0- 75	0.8555E-05	90-165	0.8401E-05
30-45.00	0.3615E-01	-7.5 TO 67.5	0.1126E-05	82.5-157.5	0.1082E-05	30	0- 75	0.6809E-05	90-165	0.6577E-05
45-60.00	0.4711E-01	-7.5 TO 67.5	0.6707E-06	82.5-157.5	0.6361E-06	45	0- 75	0.4527E-05	90-165	0.4313E-05
60-75.00	0.5486E-01	-7.5 TO 67.5	0.2553E-06	82.5-157.5	0.2376E-06	60	0- 75	0.2277E-05	90-165	0.2140E-05
75-79.63	0.1793E-01	-7.5 TO 67.5	0.2613E-07	82.5-157.5	0.2177E-07	75	0- 75	0.3703E-06	90-165	0.3245E-06
0-15.00	0.9301E-02	-7.5 TO 82.5	0.1774E-05	82.5-172.5	0.1753E-05	0	0- 90	0.1099E-04	90-180	0.1099E-04
15-30.00	0.2727E-01	-7.5 TO 82.5	0.1532E-05	82.5-172.5	0.1492E-05	15	0- 90	0.1025E-04	90-180	0.1007E-04
30-45.00	0.4338E-01	-7.5 TO 82.5	0.1123E-05	82.5-172.5	0.1079E-05	30	0- 90	0.8149E-05	90-180	0.7878E-05
45-60.00	0.5653E-01	-7.5 TO 82.5	0.6682E-06	82.5-172.5	0.6339E-06	45	0- 90	0.5413E-05	90-180	0.5161E-05
60-75.00	0.6583E-01	-7.5 TO 82.5	0.2540E-06	82.5-172.5	0.2365E-06	60	0- 90	0.2720E-05	90-180	0.2559E-05
75-79.63	0.2151E-01	-7.5 TO 82.5	0.2580E-07	82.5-172.5	0.2151E-07	75	0- 90	0.4400E-06	90-180	0.3866E-06
0-15.00	0.1085E-01	-7.5 TO 97.5	0.1772E-05	82.5-187.5	0.1752E-05	0	0-105	0.1282E-04	90-195	0.1282E-04
15-30.00	0.3181E-01	-7.5 TO 97.5	0.1528E-05	82.5-187.5	0.1490E-05	15	0-105	0.1194E-04	90-195	0.1174E-04
30-45.00	0.5061E-01	-7.5 TO 97.5	0.1120E-05	82.5-187.5	0.1077E-05	30	0-105	0.9480E-05	90-195	0.9178E-05
45-60.00	0.6595E-01	-7.5 TO 97.5	0.6654E-06	82.5-187.5	0.6322E-06	45	0-105	0.6290E-05	90-195	0.6010E-05
60-75.00	0.7680E-01	-7.5 TO 97.5	0.2525E-06	82.5-187.5	0.2356E-06	60	0-105	0.3157E-05	90-195	0.2978E-05
75-79.63	0.2510E-01	-7.5 TO 97.5	0.2544E-07	82.5-187.5	0.2130E-07	75	0-105	0.5079E-06	90-195	0.4486E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

r_2/r_1 = 0.10 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5990 $\cosh \mu_2$ = 24.0100 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 148.78

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1550E-02	-7.5 TO 7.5	0.6665E-05	82.5- 97.5	0.6542E-05	0	0- 15	0.6801E-05	90-105	0.6801E-05
15-30.00	0.4545E-02	-7.5 TO 7.5	0.5842E-05	82.5- 97.5	0.5604E-05	15	0- 15	0.6465E-05	90-105	0.6265E-05
30-45.00	0.7230E-02	-7.5 TO 7.5	0.4346E-05	82.5- 97.5	0.4079E-05	30	0- 15	0.5227E-05	90-105	0.4925E-05
45-60.00	0.9422E-02	-7.5 TO 7.5	0.2619E-05	82.5- 97.5	0.2411E-05	45	0- 15	0.3522E-05	90-105	0.3241E-05
60-75.00	0.1097E-01	-7.5 TO 7.5	0.1014E-05	82.5- 97.5	0.9075E-06	60	0- 15	0.1795E-05	90-105	0.1614E-05
75-79.63	0.3586E-02	-7.5 TO 7.5	0.1184E-06	82.5- 97.5	0.8713E-07	75	0- 15	0.3103E-06	90-105	0.2499E-06
0-15.00	0.3100E-02	-7.5 TO 22.5	0.6663E-05	82.5-112.5	0.6526E-05	0	0- 30	0.1360E-04	90-120	0.1360E-04
15-30.00	0.9089E-02	-7.5 TO 22.5	0.5837E-05	82.5-112.5	0.5573E-05	15	0- 30	0.1292E-04	90-120	0.1248E-04
30-45.00	0.1446E-01	-7.5 TO 22.5	0.4341E-05	82.5-112.5	0.4045E-05	30	0- 30	0.1044E-04	90-120	0.9783E-05
45-60.00	0.1884E-01	-7.5 TO 22.5	0.2615E-05	82.5-112.5	0.2384E-05	45	0- 30	0.7028E-05	90-120	0.6420E-05
60-75.00	0.2194E-01	-7.5 TO 22.5	0.1012E-05	82.5-112.5	0.8943E-06	60	0- 30	0.3579E-05	90-120	0.3189E-05
75-79.63	0.7171E-02	-7.5 TO 22.5	0.1177E-06	82.5-112.5	0.8402E-07	75	0- 30	0.6167E-06	90-120	0.4873E-06
0-15.00	0.4650E-02	-7.5 TO 37.5	0.6658E-05	82.5-127.5	0.6511E-05	0	0- 45	0.2040E-04	90-135	0.2040E-04
15-30.00	0.1363E-01	-7.5 TO 37.5	0.5828E-05	82.5-127.5	0.5544E-05	15	0- 45	0.1935E-04	90-135	0.1867E-04
30-45.00	0.2169E-01	-7.5 TO 37.5	0.4331E-05	82.5-127.5	0.4012E-05	30	0- 45	0.1561E-04	90-135	0.1458E-04
45-60.00	0.2827E-01	-7.5 TO 37.5	0.2607E-05	82.5-127.5	0.2359E-05	45	0- 45	0.1050E-04	90-135	0.9544E-05
60-75.00	0.3292E-01	-7.5 TO 37.5	0.1008E-05	82.5-127.5	0.8818E-06	60	0- 45	0.5341E-05	90-135	0.4729E-05
75-79.63	0.1076E-01	-7.5 TO 37.5	0.1162E-06	82.5-127.5	0.8112E-07	75	0- 45	0.9157E-06	90-135	0.7137E-06
0-15.00	0.6200E-02	-7.5 TO 52.5	0.6650E-05	82.5-142.5	0.6497E-05	0	0- 60	0.2720E-04	90-150	0.2720E-04
15-30.00	0.1818E-01	-7.5 TO 52.5	0.5814E-05	82.5-142.5	0.5517E-05	15	0- 60	0.2574E-04	90-150	0.2481E-04
30-45.00	0.2892E-01	-7.5 TO 52.5	0.4315E-05	82.5-142.5	0.3983E-05	30	0- 60	0.2073E-04	90-150	0.1933E-04
45-60.00	0.3769E-01	-7.5 TO 52.5	0.2594E-05	82.5-142.5	0.2337E-05	45	0- 60	0.1393E-04	90-150	0.1262E-04
60-75.00	0.4389E-01	-7.5 TO 52.5	0.1001E-05	82.5-142.5	0.8705E-06	60	0- 60	0.7074E-05	90-150	0.6241E-05
75-79.63	0.1434E-01	-7.5 TO 52.5	0.1140E-06	82.5-142.5	0.7851E-07	75	0- 60	0.1205E-05	90-150	0.9314E-06
0-15.00	0.7751E-02	-7.5 TO 67.5	0.6641E-05	82.5-157.5	0.6484E-05	0	0- 75	0.3400E-04	90-165	0.3400E-04
15-30.00	0.2272E-01	-7.5 TO 67.5	0.5796E-05	82.5-157.5	0.5494E-05	15	0- 75	0.3210E-04	90-165	0.3094E-04
30-45.00	0.3615E-01	-7.5 TO 67.5	0.4294E-05	82.5-157.5	0.3956E-05	30	0- 75	0.2580E-04	90-165	0.2404E-04
45-60.00	0.4711E-01	-7.5 TO 67.5	0.2578E-05	82.5-157.5	0.2317E-05	45	0- 75	0.1729E-04	90-165	0.1567E-04
60-75.00	0.5486E-01	-7.5 TO 67.5	0.9930E-06	82.5-157.5	0.8605E-06	60	0- 75	0.8769E-05	90-165	0.7733E-05
75-79.63	0.1793E-01	-7.5 TO 67.5	0.1113E-06	82.5-157.5	0.7624E-07	75	0- 75	0.1481E-05	90-165	0.1143E-05
0-15.00	0.9301E-02	-7.5 TO 82.5	0.6630E-05	82.5-172.5	0.6474E-05	0	0- 90	0.4080E-04	90-180	0.4080E-04
15-30.00	0.2727E-01	-7.5 TO 82.5	0.5774E-05	82.5-172.5	0.5475E-05	15	0- 90	0.3841E-04	90-180	0.3705E-04
30-45.00	0.4338E-01	-7.5 TO 82.5	0.4270E-05	82.5-172.5	0.3935E-05	30	0- 90	0.3079E-04	90-180	0.2874E-04
45-60.00	0.5653E-01	-7.5 TO 82.5	0.2559E-05	82.5-172.5	0.2300E-05	45	0- 90	0.2060E-04	90-180	0.1870E-04
60-75.00	0.6583E-01	-7.5 TO 82.5	0.9832E-06	82.5-172.5	0.8523E-06	60	0- 90	0.1042E-04	90-180	0.9214E-05
75-79.63	0.2151E-01	-7.5 TO 82.5	0.1084E-06	82.5-172.5	0.7437E-07	75	0- 90	0.1744E-05	90-180	0.1352E-05
0-15.00	0.1085E-01	-7.5 TO 97.5	0.6617E-05	82.5-187.5	0.6466E-05	0	0-105	0.4760E-04	90-195	0.4760E-04
15-30.00	0.3181E-01	-7.5 TO 97.5	0.5750E-05	82.5-187.5	0.5460E-05	15	0-105	0.4468E-04	90-195	0.4316E-04
30-45.00	0.5061E-01	-7.5 TO 97.5	0.4243E-05	82.5-187.5	0.3918E-05	30	0-105	0.3572E-04	90-195	0.3344E-04
45-60.00	0.6595E-01	-7.5 TO 97.5	0.2538E-05	82.5-187.5	0.2287E-05	45	0-105	0.2384E-04	90-195	0.2173E-04
60-75.00	0.7680E-01	-7.5 TO 97.5	0.9724E-06	82.5-187.5	0.8459E-06	60	0-105	0.1204E-04	90-195	0.1070E-04
75-79.63	0.2510E-01	-7.5 TO 97.5	0.1053E-06	82.5-187.5	0.7294E-07	75	0-105	0.1994E-05	90-195	0.1560E-05

r_2/r_1 = 0.10 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5990 $\cosh \mu_2$ = 24.0100 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 133.29

0-15.00	0.1550E-02	-7.5 TO 7.5	0.1336E-04	82.5- 97.5	0.1298E-04	0	0- 15	0.1349E-04	90-105	0.1349E-04
15-30.00	0.4545E-02	-7.5 TO 7.5	0.1185E-04	82.5- 97.5	0.1112E-04	15	0- 15	0.1302E-04	90-105	0.1240E-04
30-45.00	0.7230E-02	-7.5 TO 7.5	0.8922E-05	82.5- 97.5	0.8097E-05	30	0- 15	0.1067E-04	90-105	0.9736E-05
45-60.00	0.9422E-02	-7.5 TO 7.5	0.5430E-05	82.5- 97.5	0.4789E-05	45	0- 15	0.7269E-05	90-105	0.6401E-05
60-75.00	0.1097E-01	-7.5 TO 7.5	0.2131E-05	82.5- 97.5	0.1805E-05	60	0- 15	0.3742E-05	90-105	0.3187E-05
75-79.63	0.3586E-02	-7.5 TO 7.5	0.2737E-06	82.5- 97.5	0.1747E-06	75	0- 15	0.6744E-06	90-105	0.4931E-06
0-15.00	0.3100E-02	-7.5 TO 22.5	0.1335E-04	82.5-112.5	0.1293E-04	0	0- 30	0.2698E-04	90-120	0.2698E-04
15-30.00	0.9089E-02	-7.5 TO 22.5	0.1184E-04	82.5-112.5	0.1103E-04	15	0- 30	0.2600E-04	90-120	0.2467E-04
30-45.00	0.1446E-01	-7.5 TO 22.5	0.8908E-05	82.5-112.5	0.7992E-05	30	0- 30	0.2128E-04	90-120	0.1927E-04
45-60.00	0.1884E-01	-7.5 TO 22.5	0.5419E-05	82.5-112.5	0.4709E-05	45	0- 30	0.1448E-04	90-120	0.1261E-04
60-75.00	0.2194E-01	-7.5 TO 22.5	0.2125E-05	82.5-112.5	0.1766E-05	60	0- 30	0.7450E-05	90-120	0.6254E-05
75-79.63	0.7171E-02	-7.5 TO 22.5	0.2717E-06	82.5-112.5	0.1658E-06	75	0- 30	0.1337E-05	90-120	0.9499E-06
0-15.00	0.4650E-02	-7.5 TO 37.5	0.1333E-04	82.5-127.5	0.1288E-04	0	0- 45	0.4047E-04	90-135	0.4047E-04
15-30.00	0.1363E-01	-7.5 TO 37.5	0.1181E-04	82.5-127.5	0.1094E-04	15	0- 45	0.3891E-04	90-135	0.3681E-04
30-45.00	0.2169E-01	-7.5 TO 37.5	0.8875E-05	82.5-127.5	0.7893E-05	30	0- 45	0.3178E-04	90-135	0.2861E-04
45-60.00	0.2827E-01	-7.5 TO 37.5	0.5393E-05	82.5-127.5	0.4633E-05	45	0- 45	0.2160E-04	90-135	0.1866E-04
60-75.00	0.3292E-01	-7.5 TO 37.5	0.2112E-05	82.5-127.5	0.1728E-05	60	0- 45	0.1109E-04	90-135	0.9217E-05
75-79.63	0.1076E-01	-7.5 TO 37.5	0.2671E-06	82.5-127.5	0.1576E-06	75	0- 45	0.1977E-05	90-135	0.1376E-05
0-15.00	0.6200E-02	-7.5 TO 52.5	0.1331E-04	82.5-142.5	0.1284E-04	0	0- 60	0.5396E-04	90-150	0.5396E-04
15-30.00	0.1818E-01	-7.5 TO 52.5	0.1177E-04	82.5-142.5	0.1085E-04	15	0- 60	0.5172E-04	90-150	0.4885E-04
30-45.00	0.2892E-01	-7.5 TO 52.5	0.8826E-05	82.5-142.5	0.7802E-05	30	0- 60	0.4213E-04	90-150	0.3781E-04
45-60.00	0.3769E-01	-7.5 TO 52.5	0.5354E-05	82.5-142.5	0.4563E-05	45	0- 60	0.2856E-04	90-150	0.2456E-04
60-75.00	0.4389E-01	-7.5 TO 52.5	0.2092E-05	82.5-142.5	0.1695E-05	60	0- 60	0.1464E-04	90-150	0.1209E-04
75-79.63	0.1434E-01	-7.5 TO 52.5	0.2603E-06	82.5-142.5	0.1502E-06	75	0- 60	0.2586E-05	90-150	0.1777E-05
0-15.00	0.7751E-02	-7.5 TO 67.5	0.1328E-04	82.5-157.5	0.1280E-04	0	0- 75	0.6745E-04	90-165	0.6745E-04
15-30.00	0.2272E-01	-7.5 TO 67.5	0.1171E-04	82.5-157.5	0.1078E-04	15	0- 75	0.6441E-04	90-165	0.6083E-04
30-45.00	0.3615E-01	-7.5 TO 67.5	0.8762E-05	82.5-157.5	0.7723E-05	30	0- 75	0.5229E-04	90-165	0.4690E-04
45-60.00	0.4711E-01	-7.5 TO 67.5	0.5305E-05	82.5-157.5	0.4503E-05	45	0- 75	0.3536E-04	90-165	0.3038E-04
60-75.00	0.5486E-01	-7.5 TO 67.5	0.2066E-05	82.5-157.5	0.1665E-05	60	0- 75	0.1808E-04	90-165	0.1491E-04
75-79.63	0.1793E-01	-7.5 TO 67.5	0.2517E-06	82.5-157.5	0.1439E-06	75	0- 75	0.3158E-05	90-165	0.2161E-05
0-15.00	0.9301E-02	-7.5 TO 82.5	0.1325E-04	82.5-172.5	0.1277E-04	0	0- 90	0.8094E-04	90-180	0.8094E-04
15-30.00	0.2727E-01	-7.5 TO 82.5	0.1164E-04	82.5-172.5	0.1072E-04	15	0- 90	0.7695E-04	90-180	0.7276E-04
30-45.00	0.4338E-01	-7.5 TO 82.5	0.8686E-05	82.5-172.5	0.7657E-05	30	0- 90	0.6224E-04	90-180	0.5594E-04
45-60.00	0.5653E-01	-7.5 TO 82.5	0.5246E-05	82.5-172.5	0.4452E-05	45	0- 90	0.4196E-04	90-180	0.3614E-04
60-75.00	0.6583E-01	-7.5 TO 82.5	0.2036F-05	82.5-172.5	0.1641E-05	60	0- 90	0.2139E-04	90-180	0.1770E-04
75-79.63	0.2151E-01	-7.5 TO 82.5	0.2421E-06	82.5-172.5	0.1388E-06	75	0- 90	0.3690E-05	90-180	0.2537E-05
0-15.00	0.1085E-01	-7.5 TO 97.5	0.1321E-04	82.5-187.5	0.1275E-04	0	0-105	0.9443E-04	90-195	0.9443E-04
15-30.00	0.3181E-01	-7.5 TO 97.5	0.1157E-04	82.5-187.5	0.1068E-04	15	0-105	0.8935E-04	90-195	0.8470E-04
30-45.00	0.5061E-01	-7.5 TO 97.5	0.8602E-05	82.5-187.5	0.7606E-05	30	0-105	0.7197E-04	90-195	0.6498E-04
45-60.00	0.6595E-01	-7.5 TO 97.5	0.5181E-05	82.5-187.5	0.4413E-05	45	0-105	0.4836E-04	90-195	0.4190E-04
60-75.00	0.7680E-01	-7.5 TO 97.5	0.2003E-05	82.5-187.5	0.1622E-05	60	0-105	0.2457E-04	90-195	0.2049E-04
75-79.63	0.2510E-01	-7.5 TO 97.5	0.2325E-06	82.5-187.5	0.1348E-06	75	0-105	0.4183E-05	90-195	0.2913E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

r_2/r_1 = 0.10 d/r_1 = 5.000 cosh μ_1 = 2.5990 cosh μ_2 = 24.0100 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 117.91

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1550E-02	-7.5 TO 7.5	0.2005E-04	82.5- 97.5	0.1926E-04	0	0- 15	0.2002E-04	90-105	0.2002E-04
15-30.00	0.4545E-02	-7.5 TO 7.5	0.1804E-04	82.5- 97.5	0.1651E-04	15	0- 15	0.1966E-04	90-105	0.1837E-04
30-45.00	0.7230E-02	-7.5 TO 7.5	0.1375E-04	82.5- 97.5	0.1203E-04	30	0- 15	0.1634E-04	90-105	0.1439E-04
45-60.00	0.9422E-02	-7.5 TO 7.5	0.8456E-05	82.5- 97.5	0.7120E-05	45	0- 15	0.1127E-04	90-105	0.9455E-05
60-75.00	0.1097E-01	-7.5 TO 7.5	0.3359E-05	82.5- 97.5	0.2689E-05	60	0- 15	0.5858E-05	90-105	0.4706E-05
75-79.63	0.3586E-02	-7.5 TO 7.5	0.4635E-06	82.5- 97.5	0.2626E-06	75	0- 15	0.1092E-05	90-105	0.7291E-06
0-15.00	0.3100E-02	-7.5 TO 22.5	0.2004E-04	82.5-112.5	0.1916E-04	0	0- 30	0.4004E-04	90-120	0.4004E-04
15-30.00	0.9089E-02	-7.5 TO 22.5	0.1801E-04	82.5-112.5	0.1631E-04	15	0- 30	0.3923E-04	90-120	0.3645E-04
30-45.00	0.1446E-01	-7.5 TO 22.5	0.1372E-04	82.5-112.5	0.1181E-04	30	0- 30	0.3257E-04	90-120	0.2836E-04
45-60.00	0.1884E-01	-7.5 TO 22.5	0.8433E-05	82.5-112.5	0.6954E-05	45	0- 30	0.2242E-04	90-120	0.1852E-04
60-75.00	0.2194E-01	-7.5 TO 22.5	0.3347E-05	82.5-112.5	0.2608E-05	60	0- 30	0.1164E-04	90-120	0.9167E-05
75-79.63	0.7171E-02	-7.5 TO 22.5	0.4594E-06	82.5-112.5	0.2456E-06	75	0- 30	0.2159E-05	90-120	0.1388E-05
0-15.00	0.4650E-02	-7.5 TO 37.5	0.2001E-04	82.5-127.5	0.1906E-04	0	0- 45	0.6006E-04	90-135	0.6006E-04
15-30.00	0.1363E-01	-7.5 TO 37.5	0.1795E-04	82.5-127.5	0.1613E-04	15	0- 45	0.5866E-04	90-135	0.5427E-04
30-45.00	0.2169E-01	-7.5 TO 37.5	0.1365E-04	82.5-127.5	0.1161E-04	30	0- 45	0.4856E-04	90-135	0.4195E-04
45-60.00	0.2827E-01	-7.5 TO 37.5	0.8379E-05	82.5-127.5	0.6798E-05	45	0- 45	0.3336E-04	90-135	0.2723E-04
60-75.00	0.3292E-01	-7.5 TO 37.5	0.3319E-05	82.5-127.5	0.2533E-05	60	0- 45	0.1729E-04	90-135	0.1341E-04
75-79.63	0.1076E-01	-7.5 TO 37.5	0.4501E-06	82.5-127.5	0.2302E-06	75	0- 45	0.3181E-05	90-135	0.1989E-05
0-15.00	0.6200E-02	-7.5 TO 52.5	0.1996E-04	82.5-142.5	0.1897E-04	0	0- 60	0.8008E-04	90-150	0.8008E-04
15-30.00	0.1818E-01	-7.5 TO 52.5	0.1786E-04	82.5-142.5	0.1596E-04	15	0- 60	0.7787E-04	90-150	0.7189E-04
30-45.00	0.2892E-01	-7.5 TO 52.5	0.1355E-04	82.5-142.5	0.1142E-04	30	0- 60	0.6423E-04	90-150	0.5522E-04
45-60.00	0.3769E-01	-7.5 TO 52.5	0.8298E-05	82.5-142.5	0.6655E-05	45	0- 60	0.4399E-04	90-150	0.3567E-04
60-75.00	0.4389E-01	-7.5 TO 52.5	0.3278E-05	82.5-142.5	0.2465E-05	60	0- 60	0.2274E-04	90-150	0.1749E-04
75-79.63	0.1434E-01	-7.5 TO 52.5	0.4363E-06	82.5-142.5	0.2166E-06	75	0- 60	0.4139E-05	90-150	0.2544E-05
0-15.00	0.7751E-02	-7.5 TO 67.5	0.1990E-04	82.5-157.5	0.1889E-04	0	0- 75	0.1001E-03	90-165	0.1001E-03
15-30.00	0.2272E-01	-7.5 TO 67.5	0.1774E-04	82.5-157.5	0.1581E-04	15	0- 75	0.9683E-04	90-165	0.8936E-04
30-45.00	0.3615E-01	-7.5 TO 67.5	0.1342E-04	82.5-157.5	0.1125E-04	30	0- 75	0.7951E-04	90-165	0.6828E-04
45-60.00	0.4711E-01	-7.5 TO 67.5	0.8194E-05	82.5-157.5	0.6530E-05	45	0- 75	0.5426E-04	90-165	0.4390E-04
60-75.00	0.5486E-01	-7.5 TO 67.5	0.3225E-05	82.5-157.5	0.2406E-05	60	0- 75	0.2796E-04	90-165	0.2144E-04
75-79.63	0.1793E-01	-7.5 TO 67.5	0.4190E-06	82.5-157.5	0.2051E-06	75	0- 75	0.5023E-05	90-165	0.3069E-05
0-15.00	0.9301E-02	-7.5 TO 82.5	0.1983E-04	82.5-172.5	0.1883E-04	0	0- 90	0.1201E-03	90-180	0.1201E-03
15-30.00	0.2727E-01	-7.5 TO 82.5	0.1760E-04	82.5-172.5	0.1568E-04	15	0- 90	0.1155E-03	90-180	0.1068E-03
30-45.00	0.4338E-01	-7.5 TO 82.5	0.1326E-04	82.5-172.5	0.1112E-04	30	0- 90	0.9435E-04	90-180	0.8123E-04
45-60.00	0.5653E-01	-7.5 TO 82.5	0.8071E-05	82.5-172.5	0.6427E-05	45	0- 90	0.6413E-04	90-180	0.5204E-04
60-75.00	0.6583E-01	-7.5 TO 82.5	0.3163E-05	82.5-172.5	0.2358E-05	60	0- 90	0.3293E-04	90-180	0.2533E-04
75-79.63	0.2151E-01	-7.5 TO 82.5	0.3996E-06	82.5-172.5	0.1957E-06	75	0- 90	0.5829E-05	90-180	0.3578E-05
0-15.00	0.1085E-01	-7.5 TO 97.5	0.1975E-04	82.5-187.5	0.1878E-04	0	0-105	0.1401E-03	90-195	0.1401E-03
15-30.00	0.3181E-01	-7.5 TO 97.5	0.1745E-04	82.5-187.5	0.1559E-04	15	0-105	0.1339E-03	90-195	0.1242E-03
30-45.00	0.5061E-01	-7.5 TO 97.5	0.1308E-04	82.5-187.5	0.1101E-04	30	0-105	0.1087E-03	90-195	0.9418E-04
45-60.00	0.6595E-01	-7.5 TO 97.5	0.7936E-05	82.5-187.5	0.6347E-05	45	0-105	0.7358E-04	90-195	0.6018E-04
60-75.00	0.7680E-01	-7.5 TO 97.5	0.3096E-05	82.5-187.5	0.2320E-05	60	0-105	0.3763E-04	90-195	0.2923E-04
75-79.63	0.2510E-01	-7.5 TO 97.5	0.3800E-06	82.5-187.5	0.1885E-06	75	0-105	0.6558E-05	90-195	0.4086E-05

r_2/r_1 = 0.10 d/r_1 = 5.000 cosh μ_1 = 2.5990 cosh μ_2 = 24.0100 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 102.68

0-15.00	0.1550E-02	-7.5 TO 7.5	0.2499E-04	82.5- 97.5	0.2367E-04	0	0- 15	0.2460E-04	90-105	0.2460E-04
15-30.00	0.4545E-02	-7.5 TO 7.5	0.2285E-04	82.5- 97.5	0.2029E-04	15	0- 15	0.2465E-04	90-105	0.2251E-04
30-45.00	0.7230E-02	-7.5 TO 7.5	0.1767E-04	82.5- 97.5	0.1480E-04	30	0- 15	0.2085E-04	90-105	0.1760E-04
45-60.00	0.9422E-02	-7.5 TO 7.5	0.1098E-04	82.5- 97.5	0.8766E-05	45	0- 15	0.1456E-04	90-105	0.1155E-04
60-75.00	0.1097E-01	-7.5 TO 7.5	0.4408E-05	82.5- 97.5	0.3316E-05	60	0- 15	0.7645E-05	90-105	0.5745E-05
75-79.63	0.3586E-02	-7.5 TO 7.5	0.6385E-06	82.5- 97.5	0.3264E-06	75	0- 15	0.1460E-05	90-105	0.8920E-06
0-15.00	0.3100E-02	-7.5 TO 22.5	0.2496E-04	82.5-112.5	0.2350E-04	0	0- 30	0.4920E-04	90-120	0.4920E-04
15-30.00	0.9089E-02	-7.5 TO 22.5	0.2280E-04	82.5-112.5	0.1997E-04	15	0- 30	0.4918E-04	90-120	0.4454E-04
30-45.00	0.1446E-01	-7.5 TO 22.5	0.1762E-04	82.5-112.5	0.1444E-04	30	0- 30	0.4150E-04	90-120	0.3450E-04
45-60.00	0.1884E-01	-7.5 TO 22.5	0.1094E-04	82.5-112.5	0.8493E-05	45	0- 30	0.2893E-04	90-120	0.2245E-04
60-75.00	0.2194E-01	-7.5 TO 22.5	0.4388E-05	82.5-112.5	0.3186E-05	60	0- 30	0.1517E-04	90-120	0.1109E-04
75-79.63	0.7171E-02	-7.5 TO 22.5	0.6320E-06	82.5-112.5	0.3014E-06	75	0- 30	0.2881E-05	90-120	0.1679E-05
0-15.00	0.4650E-02	-7.5 TO 37.5	0.2491E-04	82.5-127.5	0.2334E-04	0	0- 45	0.7380E-04	90-135	0.7380E-04
15-30.00	0.1363E-01	-7.5 TO 37.5	0.2270E-04	82.5-127.5	0.1966E-04	15	0- 45	0.7345E-04	90-135	0.6615E-04
30-45.00	0.2169E-01	-7.5 TO 37.5	0.1750E-04	82.5-127.5	0.1409E-04	30	0- 45	0.6176E-04	90-135	0.5076E-04
45-60.00	0.2827E-01	-7.5 TO 37.5	0.1085E-04	82.5-127.5	0.8235E-05	45	0- 45	0.4294E-04	90-135	0.3277E-04
60-75.00	0.3292E-01	-7.5 TO 37.5	0.4343E-05	82.5-127.5	0.3066E-05	60	0- 45	0.2246E-04	90-135	0.1609E-04
75-79.63	0.1076E-01	-7.5 TO 37.5	0.6173E-06	82.5-127.5	0.2790E-06	75	0- 45	0.4228E-05	90-135	0.2380E-05
0-15.00	0.6200E-02	-7.5 TO 52.5	0.2483E-04	82.5-142.5	0.2319E-04	0	0- 60	0.9840E-04	90-150	0.9840E-04
15-30.00	0.1818E-01	-7.5 TO 52.5	0.2255E-04	82.5-142.5	0.1938E-04	15	0- 60	0.9737E-04	90-150	0.8742E-04
30-45.00	0.2892E-01	-7.5 TO 52.5	0.1733E-04	82.5-142.5	0.1378E-04	30	0- 60	0.8149E-04	90-150	0.6651E-04
45-60.00	0.3769E-01	-7.5 TO 52.5	0.1072E-04	82.5-142.5	0.8001E-05	45	0- 60	0.5644E-04	90-150	0.4264E-04
60-75.00	0.4389E-01	-7.5 TO 52.5	0.4275E-05	82.5-142.5	0.2958E-05	60	0- 60	0.2944E-04	90-150	0.2081E-04
75-79.63	0.1434E-01	-7.5 TO 52.5	0.5957E-06	82.5-142.5	0.2596E-06	75	0- 60	0.5475E-05	90-150	0.3015E-05
0-15.00	0.7751E-02	-7.5 TO 67.5	0.2473E-04	82.5-157.5	0.2306E-04	0	0- 75	0.1230E-03	90-165	0.1230E-03
15-30.00	0.2272E-01	-7.5 TO 67.5	0.2235E-04	82.5-157.5	0.1913E-04	15	0- 75	0.1209E-03	90-165	0.1084E-03
30-45.00	0.3615E-01	-7.5 TO 67.5	0.1711E-04	82.5-157.5	0.1351E-04	30	0- 75	0.1006E-03	90-165	0.8190E-04
45-60.00	0.4711E-01	-7.5 TO 67.5	0.1055E-04	82.5-157.5	0.7797E-05	45	0- 75	0.6934E-04	90-165	0.5218E-04
60-75.00	0.5486E-01	-7.5 TO 67.5	0.4189E-05	82.5-157.5	0.2864E-05	60	0- 75	0.3603E-04	90-165	0.2533E-04
75-79.63	0.1793E-01	-7.5 TO 67.5	0.5688E-06	82.5-157.5	0.2434E-06	75	0- 75	0.6606E-05	90-165	0.3606E-05
0-15.00	0.9301E-02	-7.5 TO 82.5	0.2461E-04	82.5-172.5	0.2295E-04	0	0- 90	0.1476E-03	90-180	0.1476E-03
15-30.00	0.2727E-01	-7.5 TO 82.5	0.2212E-04	82.5-172.5	0.1893E-04	15	0- 90	0.1439E-03	90-180	0.1293E-03
30-45.00	0.4338E-01	-7.5 TO 82.5	0.1684E-04	82.5-172.5	0.1329E-04	30	0- 90	0.1189E-03	90-180	0.9711E-04
45-60.00	0.5653E-01	-7.5 TO 82.5	0.1034E-04	82.5-172.5	0.7628E-05	45	0- 90	0.8157E-04	90-180	0.6156E-04
60-75.00	0.6583E-01	-7.5 TO 82.5	0.4088E-05	82.5-172.5	0.2787E-05	60	0- 90	0.4219E-04	90-180	0.2976E-04
75-79.63	0.2151E-01	-7.5 TO 82.5	0.5389E-06	82.5-172.5	0.2303E-06	75	0- 90	0.7615E-05	90-180	0.4175E-05
0-15.00	0.1085E-01	-7.5 TO 97.5	0.2448E-04	82.5-187.5	0.2287E-04	0	0-105	0.1722E-03	90-195	0.1722E-03
15-30.00	0.3181E-01	-7.5 TO 97.5	0.2186E-04	82.5-187.5	0.1877E-04	15	0-105	0.1664E-03	90-195	0.1502E-03
30-45.00	0.5061E-01	-7.5 TO 97.5	0.1655E-04	82.5-187.5	0.1311E-04	30	0-105	0.1365E-03	90-195	0.1123E-03
45-60.00	0.6595E-01	-7.5 TO 97.5	0.1012E-04	82.5-187.5	0.7497E-05	45	0-105	0.9312E-04	90-195	0.7093E-04
60-75.00	0.7680E-01	-7.5 TO 97.5	0.3978E-05	82.5-187.5	0.2727E-05	60	0-105	0.4794E-04	90-195	0.3418E-04
75-79.63	0.2510E-01	-7.5 TO 97.5	0.5086E-06	82.5-187.5	0.2203E-06	75	0-105	0.8507E-05	90-195	0.4744E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

r_2/r_1 = 0.10 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5990 $\cosh \mu_2$ = 24.0100 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 87.61

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1550E-02	-7.5 TO 7.5	0.2693E-04	82.5- 97.5	0.2506E-04	0	0- 15	0.2604E-04	90-105	0.2604E-04
15-30.00	0.4545E-02	-7.5 TO 7.5	0.2513E-04	82.5- 97.5	0.2149E-04	15	0- 15	0.2679E-04	90-105	0.2375E-04
30-45.00	0.7230E-02	-7.5 TO 7.5	0.1977E-04	82.5- 97.5	0.1568E-04	30	0- 15	0.2313E-04	90-105	0.1853E-04
45-60.00	0.9422E-02	-7.5 TO 7.5	0.1244E-04	82.5- 97.5	0.9296E-05	45	0- 15	0.1640E-04	90-105	0.1213E-04
60-75.00	0.1097E-01	-7.5 TO 7.5	0.5037E-05	82.5- 97.5	0.3520E-05	60	0- 15	0.8699E-05	90-105	0.6033E-05
75-79.63	0.3586E-02	-7.5 TO 7.5	0.7492E-06	82.5- 97.5	0.3478E-06	75	0- 15	0.1687E-05	90-105	0.9377E-06
0-15.00	0.3100E-02	-7.5 TO 22.5	0.2689E-04	82.5-112.5	0.2482E-04	0	0- 30	0.5208E-04	90-120	0.5208E-04
15-30.00	0.9089E-02	-7.5 TO 22.5	0.2506E-04	82.5-112.5	0.2105E-04	15	0- 30	0.5340E-04	90-120	0.4686E-04
30-45.00	0.1446E-01	-7.5 TO 22.5	0.1969E-04	82.5-112.5	0.1519E-04	30	0- 30	0.4598E-04	90-120	0.3611E-04
45-60.00	0.1884E-01	-7.5 TO 22.5	0.1238E-04	82.5-112.5	0.8929E-05	45	0- 30	0.3253E-04	90-120	0.2342E-04
60-75.00	0.2194E-01	-7.5 TO 22.5	0.5009E-05	82.5-112.5	0.3350E-05	60	0- 30	0.1723E-04	90-120	0.1155E-04
75-79.63	0.7171E-02	-7.5 TO 22.5	0.7406E-06	82.5-112.5	0.3178E-06	75	0- 30	0.3320E-05	90-120	0.1749E-05
0-15.00	0.4650E-02	-7.5 TO 37.5	0.2682E-04	82.5-127.5	0.2460E-04	0	0- 45	0.7812E-04	90-135	0.7812E-04
15-30.00	0.1363E-01	-7.5 TO 37.5	0.2492E-04	82.5-127.5	0.2063E-04	15	0- 45	0.7964E-04	90-135	0.6939E-04
30-45.00	0.2169E-01	-7.5 TO 37.5	0.1953E-04	82.5-127.5	0.1474E-04	30	0- 45	0.6828E-04	90-135	0.5287E-04
45-60.00	0.2827E-01	-7.5 TO 37.5	0.1225E-04	82.5-127.5	0.8595E-05	45	0- 45	0.4814E-04	90-135	0.3398E-04
60-75.00	0.3292E-01	-7.5 TO 37.5	0.4946E-05	82.5-127.5	0.3198E-05	60	0- 45	0.2543E-04	90-135	0.1664E-04
75-79.63	0.1076E-01	-7.5 TO 37.5	0.7213E-06	82.5-127.5	0.2918E-06	75	0- 45	0.4855E-05	90-135	0.2462E-05
0-15.00	0.6200E-02	-7.5 TO 52.5	0.2671E-04	82.5-142.5	0.2440E-04	0	0- 60	0.1042E-03	90-150	0.1042E-03
15-30.00	0.1818E-01	-7.5 TO 52.5	0.2470E-04	82.5-142.5	0.2026E-04	15	0- 60	0.1054E-03	90-150	0.9148E-04
30-45.00	0.2892E-01	-7.5 TO 52.5	0.1928E-04	82.5-142.5	0.1434E-04	30	0- 60	0.8981E-04	90-150	0.6900E-04
45-60.00	0.3769E-01	-7.5 TO 52.5	0.1206E-04	82.5-142.5	0.8300E-05	45	0- 60	0.6304E-04	90-150	0.4399E-04
60-75.00	0.4389E-01	-7.5 TO 52.5	0.4851E-05	82.5-142.5	0.3065E-05	60	0- 60	0.3318E-04	90-150	0.2141E-04
75-79.63	0.1434E-01	-7.5 TO 52.5	0.6931E-06	82.5-142.5	0.2698E-06	75	0- 60	0.6255E-05	90-150	0.3102E-05
0-15.00	0.7751E-02	-7.5 TO 67.5	0.2656E-04	82.5-157.5	0.2423E-04	0	0- 75	0.1302E-03	90-165	0.1302E-03
15-30.00	0.2272E-01	-7.5 TO 67.5	0.2442E-04	82.5-157.5	0.1994E-04	15	0- 75	0.1305E-03	90-165	0.1132E-03
30-45.00	0.3615E-01	-7.5 TO 67.5	0.1896E-04	82.5-157.5	0.1400E-04	30	0- 75	0.1104E-03	90-165	0.8469E-04
45-60.00	0.4711E-01	-7.5 TO 67.5	0.1181E-04	82.5-157.5	0.8050E-05	45	0- 75	0.7707E-04	90-165	0.5363E-04
60-75.00	0.5486E-01	-7.5 TO 67.5	0.4730E-05	82.5-157.5	0.2953E-05	60	0- 75	0.4038E-04	90-165	0.2595E-04
75-79.63	0.1793E-01	-7.5 TO 67.5	0.6582E-06	82.5-157.5	0.2517E-06	75	0- 75	0.7501E-05	90-165	0.3695E-05
0-15.00	0.9301E-02	-7.5 TO 82.5	0.2639E-04	82.5-172.5	0.2409E-04	0	0- 90	0.1562E-03	90-180	0.1562E-03
15-30.00	0.2727E-01	-7.5 TO 82.5	0.2408E-04	82.5-172.5	0.1968E-04	15	0- 90	0.1549E-03	90-180	0.1349E-03
30-45.00	0.4338E-01	-7.5 TO 82.5	0.1859E-04	82.5-172.5	0.1372E-04	30	0- 90	0.1300E-03	90-180	0.1002E-03
45-60.00	0.5653E-01	-7.5 TO 82.5	0.1153E-04	82.5-172.5	0.7846E-05	45	0- 90	0.9015E-04	90-180	0.6307E-04
60-75.00	0.6583E-01	-7.5 TO 82.5	0.4590E-05	82.5-172.5	0.2863E-05	60	0- 90	0.4699E-04	90-180	0.3040E-04
75-79.63	0.2151E-01	-7.5 TO 82.5	0.6196E-06	82.5-172.5	0.2372E-06	75	0- 90	0.8587E-05	90-180	0.4265E-05
0-15.00	0.1085E-01	-7.5 TO 97.5	0.2620E-04	82.5-187.5	0.2397E-04	0	0-105	0.1823E-03	90-195	0.1823E-03
15-30.00	0.3181E-01	-7.5 TO 97.5	0.2371E-04	82.5-187.5	0.1947E-04	15	0-105	0.1787E-03	90-195	0.1565E-03
30-45.00	0.5061E-01	-7.5 TO 97.5	0.1817E-04	82.5-187.5	0.1350E-04	30	0-105	0.1485E-03	90-195	0.1156E-03
45-60.00	0.6595E-01	-7.5 TO 97.5	0.1121E-04	82.5-187.5	0.7689E-05	45	0-105	0.1023E-03	90-195	0.7252E-04
60-75.00	0.7680E-01	-7.5 TO 97.5	0.4437E-05	82.5-187.5	0.2793E-05	60	0-105	0.5303E-04	90-195	0.3484E-04
75-79.63	0.2510E-01	-7.5 TO 97.5	0.5809E-06	82.5-187.5	0.2263E-06	75	0-105	0.9525E-05	90-195	0.4835E-05

r_2/r_1 = 0.10 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5990 $\cosh \mu_2$ = 24.0 100 $\alpha_{2,max}$ = 100.37 $\theta_{2,min}$ = 77.29

0-15.00	0.1550E-02	-7.5 TO 7.5	0.2694E-04	82.5- 97.5	0.2506E-04	0	0- 15	0.2604E-04	90-105	0.2604E-04
15-30.00	0.4545E-02	-7.5 TO 7.5	0.2524E-04	82.5- 97.5	0.2149E-04	15	0- 15	0.2683E-04	90-105	0.2375E-04
30-45.00	0.7230E-02	-7.5 TO 7.5	0.2000E-04	82.5- 97.5	0.1568E-04	30	0- 15	0.2331E-04	90-105	0.1853E-04
45-60.00	0.9422E-02	-7.5 TO 7.5	0.1267E-04	82.5- 97.5	0.9296E-05	45	0- 15	0.1665E-04	90-105	0.1213E-04
60-75.00	0.1097E-01	-7.5 TO 7.5	0.5158E-05	82.5- 97.5	0.3520E-05	60	0- 15	0.8890E-05	90-105	0.6033E-05
75-79.63	0.3586E-02	-7.5 TO 7.5	0.7720E-06	82.5- 97.5	0.3478E-06	75	0- 15	0.1732E-05	90-105	0.9377E-06
0-15.00	0.3100E-02	-7.5 TO 22.5	0.2691E-04	82.5-112.5	0.2482E-04	0	0- 30	0.5208E-04	90-120	0.5208E-04
15-30.00	0.9089E-02	-7.5 TO 22.5	0.2517E-04	82.5-112.5	0.2105E-04	15	0- 30	0.5346E-04	90-120	0.4686E-04
30-45.00	0.1446E-01	-7.5 TO 22.5	0.1992E-04	82.5-112.5	0.1519E-04	30	0- 30	0.4631E-04	90-120	0.3611E-04
45-60.00	0.1884E-01	-7.5 TO 22.5	0.1261E-04	82.5-112.5	0.8929E-05	45	0- 30	0.3299E-04	90-120	0.2342E-04
60-75.00	0.2194E-01	-7.5 TO 22.5	0.5125E-05	82.5-112.5	0.3350E-05	60	0- 30	0.1758E-04	90-120	0.1155E-04
75-79.63	0.7171E-02	-7.5 TO 22.5	0.7624E-06	82.5-112.5	0.3178E-06	75	0- 30	0.3405E-05	90-120	0.1749E-05
0-15.00	0.4650E-02	-7.5 TO 37.5	0.2683E-04	82.5-127.5	0.2460E-04	0	0- 45	0.7812E-04	90-135	0.7812E-04
15-30.00	0.1363E-01	-7.5 TO 37.5	0.2502E-04	82.5-127.5	0.2063E-04	15	0- 45	0.7973E-04	90-135	0.6939E-04
30-45.00	0.2169E-01	-7.5 TO 37.5	0.1973E-04	82.5-127.5	0.1474E-04	30	0- 45	0.6871E-04	90-135	0.5287E-04
45-60.00	0.2827E-01	-7.5 TO 37.5	0.1246E-04	82.5-127.5	0.8595E-05	45	0- 45	0.4876E-04	90-135	0.3398E-04
60-75.00	0.3292E-01	-7.5 TO 37.5	0.5052E-05	82.5-127.5	0.3198E-05	60	0- 45	0.2590E-04	90-135	0.1664E-04
75-79.63	0.1076E-01	-7.5 TO 37.5	0.7411E-06	82.5-127.5	0.2918E-06	75	0- 45	0.4966E-05	90-135	0.2462E-05
0-15.00	0.6200E-02	-7.5 TO 52.5	0.2672E-04	82.5-142.5	0.2440E-04	0	0- 60	0.1042E-03	90-150	0.1042E-03
15-30.00	0.1818E-01	-7.5 TO 52.5	0.2479E-04	82.5-142.5	0.2026E-04	15	0- 60	0.1055E-03	90-150	0.9148E-04
30-45.00	0.2892E-01	-7.5 TO 52.5	0.1946E-04	82.5-142.5	0.1434E-04	30	0- 60	0.9028E-04	90-150	0.6900E-04
45-60.00	0.3769E-01	-7.5 TO 52.5	0.1224E-04	82.5-142.5	0.8300E-05	45	0- 60	0.6373E-04	90-150	0.4399E-04
60-75.00	0.4389E-01	-7.5 TO 52.5	0.4944E-05	82.5-142.5	0.3065E-05	60	0- 60	0.3370E-04	90-150	0.2141E-04
75-79.63	0.1434E-01	-7.5 TO 52.5	0.7102E-06	82.5-142.5	0.2698E-06	75	0- 60	0.6379E-05	90-150	0.3102E-05
0-15.00	0.7751E-02	-7.5 TO 67.5	0.2657E-04	82.5-157.5	0.2423E-04	0	0- 75	0.1302E-03	90-165	0.1302E-03
15-30.00	0.2272E-01	-7.5 TO 67.5	0.2449E-04	82.5-157.5	0.1994E-04	15	0- 75	0.1306E-03	90-165	0.1132E-03
30-45.00	0.3615E-01	-7.5 TO 67.5	0.1911E-04	82.5-157.5	0.1400E-04	30	0- 75	0.1109E-03	90-165	0.8469E-04
45-60.00	0.4711E-01	-7.5 TO 67.5	0.1197E-04	82.5-157.5	0.8050E-05	45	0- 75	0.7779E-04	90-165	0.5363E-04
60-75.00	0.5486E-01	-7.5 TO 67.5	0.4810E-05	82.5-157.5	0.2953E-05	60	0- 75	0.4093E-04	90-165	0.2595E-04
75-79.63	0.1793E-01	-7.5 TO 67.5	0.6727E-06	82.5-157.5	0.2517E-06	75	0- 75	0.7629E-05	90-165	0.3695E-05
0-15.00	0.9301E-02	-7.5 TO 82.5	0.2640E-04	82.5-172.5	0.2409E-04	0	0- 90	0.1562E-03	90-180	0.1562E-03
15-30.00	0.2727E-01	-7.5 TO 82.5	0.2414E-04	82.5-172.5	0.1968E-04	15	0- 90	0.1550E-03	90-180	0.1349E-03
30-45.00	0.4338E-01	-7.5 TO 82.5	0.1871E-04	82.5-172.5	0.1372E-04	30	0- 90	0.1304E-03	90-180	0.1002E-03
45-60.00	0.5653E-01	-7.5 TO 82.5	0.1165E-04	82.5-172.5	0.7846E-05	45	0- 90	0.9086F-04	90-180	0.6307E-04
60-75.00	0.6583E-01	-7.5 TO 82.5	0.4657C-05	82.5-172.5	0.2863E-05	60	0- 90	0.4754E-C4	90-180	0.3040E-04
75-79.63	0.2151E-01	-7.5 TO 82.5	0.6318E-06	82.5-172.5	0.2372E-06	75	0- 90	0.8716E-05	90-180	0.4265E-05
0-15.00	0.1085E-01	-7.5 TO 97.5	0.2621E-04	82.5-187.5	0.2397E-04	0	0-105	0.1823E-03	90-195	0.1823E-03
15-30.00	0.3181E-01	-7.5 TO 97.5	0.2376E-04	82.5-187.5	0.1947E-04	15	0-105	0.1788E-03	90-195	0.1565E-03
30-45.00	0.5061E-01	-7.5 TO 97.5	0.1828F-04	82.5-187.5	0.1350E-04	30	0-105	0.1490E-03	90-195	0.1156E-03
45-60.00	0.6595E-01	-7.5 TO 97.5	0.1132E-04	82.5-187.5	0.7689E-05	45	0-105	0.1030E-03	90-195	0.7252E-04
60-75.00	0.7680E-01	-7.5 TO 97.5	0.4494E-05	82.5-187.5	0.2793E-05	60	0-105	0.5357E-C4	90-195	0.3484E-04
75-79.63	0.2510E-01	-7.5 TO 97.5	0.5913E-06	82.5-187.5	0.2263E-06	75	0-105	0.9654E-C5	90-195	0.4835E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

r_2/r_1 = 0.10 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5707 $\cosh \mu_2$ = 34.2929 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 164.56

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7592E-03	-7.5 TO 7.5	0.7814E-06	82.5- 97.5	0.7767E-06	0	0- 15	0.8009E-06	90-105	0.8009E-06
15-30.00	0.2226E-02	-7.5 TO 7.5	0.6959E-06	82.5- 97.5	0.6866E-06	15	0- 15	0.7596E-06	90-105	0.7521E-06
30-45.00	0.3541E-02	-7.5 TO 7.5	0.5418E-06	82.5- 97.5	0.5307E-06	30	0- 15	0.6335E-06	90-105	0.6214E-06
45-60.00	0.4615E-02	-7.5 TO 7.5	0.3536E-06	82.5- 97.5	0.3441E-06	45	0- 15	0.4545E-06	90-105	0.4423E-06
60-75.00	0.5374E-02	-7.5 TO 7.5	0.1638E-06	82.5- 97.5	0.1581E-06	60	0- 15	0.2592E-06	90-105	0.2503E-06
75-82.61	0.2902E-02	-7.5 TO 7.5	0.3332E-07	82.5- 97.5	0.3107E-07	75	0- 15	0.7524E-07	90-105	0.7131E-07
0-15.00	0.1518E-02	-7.5 TO 22.5	0.7813E-06	82.5-112.5	0.7762E-06	0	0- 30	0.1602E-05	90-120	0.1602E-05
15-30.00	0.4452E-02	-7.5 TO 22.5	0.6957E-06	82.5-112.5	0.6855E-06	15	0- 30	0.1519E-05	90-120	0.1502E-05
30-45.00	0.7082E-02	-7.5 TO 22.5	0.5416E-06	82.5-112.5	0.5293E-06	30	0- 30	0.1266E-05	90-120	0.1240E-05
45-60.00	0.9229E-02	-7.5 TO 22.5	0.3535E-06	82.5-112.5	0.3429E-06	45	0- 30	0.9083E-06	90-120	0.8819E-06
60-75.00	0.1075E-01	-7.5 TO 22.5	0.1637E-06	82.5-112.5	0.1574E-06	60	0- 30	0.5178E-06	90-120	0.4986E-06
75-82.61	0.5804E-02	-7.5 TO 22.5	0.3328E-07	82.5-112.5	0.3079E-07	75	0- 30	0.1502E-06	90-120	0.1418E-06
0-15.00	0.2278E-02	-7.5 TO 37.5	0.7811E-06	82.5-127.5	0.7756E-06	0	0- 45	0.2403E-05	90-135	0.2403E-05
15-30.00	0.6678E-02	-7.5 TO 37.5	0.6954E-06	82.5-127.5	0.6843E-06	15	0- 45	0.2277E-05	90-135	0.2251E-05
30-45.00	0.1062E-01	-7.5 TO 37.5	0.5412E-06	82.5-127.5	0.5279E-06	30	0- 45	0.1898E-05	90-135	0.1857E-05
45-60.00	0.1384E-01	-7.5 TO 37.5	0.3531E-06	82.5-127.5	0.3417E-06	45	0- 45	0.1361E-05	90-135	0.1319E-05
60-75.00	0.1612E-01	-7.5 TO 37.5	0.1635E-06	82.5-127.5	0.1567E-06	60	0- 45	0.7754E-06	90-135	0.7452E-06
75-82.61	0.8706E-02	-7.5 TO 37.5	0.3319E-07	82.5-127.5	0.3052E-07	75	0- 45	0.2248E-06	90-135	0.2114E-06
0-15.00	0.3037E-02	-7.5 TO 52.5	0.7808E-06	82.5-142.5	0.7751E-06	0	0- 60	0.3204E-05	90-150	0.3204E-05
15-30.00	0.8903E-02	-7.5 TO 52.5	0.6948E-06	82.5-142.5	0.6833E-06	15	0- 60	0.3034E-05	90-150	0.2999E-05
30-45.00	0.1416E-01	-7.5 TO 52.5	0.5405E-06	82.5-142.5	0.5266E-06	30	0- 60	0.2527E-05	90-150	0.2471E-05
45-60.00	0.1846E-01	-7.5 TO 52.5	0.3525E-06	82.5-142.5	0.3406E-06	45	0- 60	0.1811E-05	90-150	0.1754E-05
60-75.00	0.2149E-01	-7.5 TO 52.5	0.1631E-06	82.5-142.5	0.1560E-06	60	0- 60	0.1031E-05	90-150	0.9903E-06
75-82.61	0.1161E-01	-7.5 TO 52.5	0.3306E-07	82.5-142.5	0.3027E-07	75	0- 60	0.2987E-06	90-150	0.2805E-06
0-15.00	0.3796E-02	-7.5 TO 67.5	0.7805E-06	82.5-157.5	0.7746E-06	0	0- 75	0.4004E-05	90-165	0.4004E-05
15-30.00	0.1113E-01	-7.5 TO 67.5	0.6941E-06	82.5-157.5	0.6823E-06	15	0- 75	0.3790E-05	90-165	0.3746E-05
30-45.00	0.1770E-01	-7.5 TO 67.5	0.5397E-06	82.5-157.5	0.5255E-06	30	0- 75	0.3154E-05	90-165	0.3084E-05
45-60.00	0.2307E-01	-7.5 TO 67.5	0.3518E-06	82.5-157.5	0.3397E-06	45	0- 75	0.2259E-05	90-165	0.2188E-05
60-75.00	0.2687E-01	-7.5 TO 67.5	0.1627E-06	82.5-157.5	0.1555E-06	60	0- 75	0.1286E-05	90-165	0.1234E-05
75-82.61	0.1451E-01	-7.5 TO 67.5	0.3288E-07	82.5-157.5	0.3006E-07	75	0- 75	0.3717E-06	90-165	0.3491E-06
0-15.00	0.4555E-02	-7.5 TO 82.5	0.7801E-06	82.5-172.5	0.7742E-06	0	0- 90	0.4805E-05	90-180	0.4805E-05
15-30.00	0.1336E-01	-7.5 TO 82.5	0.6933E-06	82.5-172.5	0.6816E-06	15	0- 90	0.4543E-05	90-180	0.4492E-05
30-45.00	0.2124E-01	-7.5 TO 82.5	0.5386E-06	82.5-172.5	0.5246E-06	30	0- 90	0.3778E-05	90-180	0.3696E-05
45-60.00	0.2769E-01	-7.5 TO 82.5	0.3509E-06	82.5-172.5	0.3389E-06	45	0- 90	0.2704E-05	90-180	0.2621E-05
60-75.00	0.3224E-01	-7.5 TO 82.5	0.1622E-06	82.5-172.5	0.1550E-06	60	0- 90	0.1538E-05	90-180	0.1478E-05
75-82.61	0.1741E-01	-7.5 TO 82.5	0.3268E-07	82.5-172.5	0.2988E-07	75	0- 90	0.4440E-06	90-180	0.4175E-06
0-15.00	0.5314E-02	-7.5 TO 97.5	0.7796E-06	82.5-187.5	0.7739E-06	0	0-105	0.5606E-05	90-195	0.5606E-05
15-30.00	0.1558E-01	-7.5 TO 97.5	0.6923E-06	82.5-187.5	0.6810E-06	15	0-105	0.5296E-05	90-195	0.5238E-05
30-45.00	0.2479E-01	-7.5 TO 97.5	0.5375E-06	82.5-187.5	0.5239E-06	30	0-105	0.4400E-05	90-195	0.4308E-05
45-60.00	0.3230E-01	-7.5 TO 97.5	0.3499E-06	82.5-187.5	0.3383E-06	45	0-105	0.3146E-05	90-195	0.3054E-05
60-75.00	0.3762E-01	-7.5 TO 97.5	0.1616E-06	82.5-187.5	0.1547E-06	60	0-105	0.1788E-05	90-195	0.1722E-05
75-82.61	0.2031E-01	-7.5 TO 97.5	0.3245E-07	82.5-187.5	0.2974E-07	75	0-105	0.5153E-06	90-195	0.4859E-06

r_2/r_1 = 0.10 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5707 $\cosh \mu_2$ = 34.2929 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 149.15

0-15.00	0.7592E-03	-7.5 TO 7.5	0.2924E-05	82.5- 97.5	0.2889E-05	0	0- 15	0.2979E-05	90-105	0.2979E-05
15-30.00	0.2226E-02	-7.5 TO 7.5	0.2624E-05	82.5- 97.5	0.2554E-05	15	0- 15	0.2851E-05	90-105	0.2794E-05
30-45.00	0.3541E-02	-7.5 TO 7.5	0.2059E-05	82.5- 97.5	0.1974E-05	30	0- 15	0.2398E-05	90-105	0.2306E-05
45-60.00	0.4615E-02	-7.5 TO 7.5	0.1353E-05	82.5- 97.5	0.1280E-05	45	0- 15	0.1733E-05	90-105	0.1640E-05
60-75.00	0.5374E-02	-7.5 TO 7.5	0.6316E-06	82.5- 97.5	0.5885E-06	60	0- 15	0.9948E-06	90-105	0.9275E-06
75-82.61	0.2902E-02	-7.5 TO 7.5	0.1327E-06	82.5- 97.5	0.1158E-06	75	0- 15	0.2934E-06	90-105	0.2639E-06
0-15.00	0.1518E-02	-7.5 TO 22.5	0.2923E-05	82.5-112.5	0.2884E-05	0	0- 30	0.5957E-05	90-120	0.5957E-05
15-30.00	0.4452E-02	-7.5 TO 22.5	0.2623E-05	82.5-112.5	0.2545E-05	15	0- 30	0.5699E-05	90-120	0.5575E-05
30-45.00	0.7082E-02	-7.5 TO 22.5	0.2057E-05	82.5-112.5	0.1963E-05	30	0- 30	0.4790E-05	90-120	0.4592E-05
45-60.00	0.9229E-02	-7.5 TO 22.5	0.1351E-05	82.5-112.5	0.1271E-05	45	0- 30	0.3460E-05	90-120	0.3260E-05
60-75.00	0.1075E-01	-7.5 TO 22.5	0.6309E-06	82.5-112.5	0.5830E-06	60	0- 30	0.1985E-05	90-120	0.1840E-05
75-82.61	0.5804E-02	-7.5 TO 22.5	0.1324E-06	82.5-112.5	0.1138E-06	75	0- 30	0.5851E-06	90-120	0.5214E-06
0-15.00	0.2278E-02	-7.5 TO 37.5	0.2922E-05	82.5-127.5	0.2880E-05	0	0- 45	0.8936E-05	90-135	0.8936E-05
15-30.00	0.6678E-02	-7.5 TO 37.5	0.2620E-05	82.5-127.5	0.2536E-05	15	0- 45	0.8540E-05	90-135	0.8344E-05
30-45.00	0.1062E-01	-7.5 TO 37.5	0.2054E-05	82.5-127.5	0.1953E-05	30	0- 45	0.7172E-05	90-135	0.6860E-05
45-60.00	0.1384E-01	-7.5 TO 37.5	0.1349E-05	82.5-127.5	0.1262E-05	45	0- 45	0.5177E-05	90-135	0.4861E-05
60-75.00	0.1612E-01	-7.5 TO 37.5	0.6292E-06	82.5-127.5	0.5778E-06	60	0- 45	0.2968E-05	90-135	0.2740E-05
75-82.61	0.8706E-02	-7.5 TO 37.5	0.1317E-06	82.5-127.5	0.1118E-06	75	0- 45	0.8732E-06	90-135	0.7733E-06
0-15.00	0.3037E-02	-7.5 TO 52.5	0.2920E-05	82.5-142.5	0.2876E-05	0	0- 60	0.1191E-04	90-150	0.1191E-04
15-30.00	0.8903E-02	-7.5 TO 52.5	0.2616E-05	82.5-142.5	0.2528E-05	15	0- 60	0.1137E-04	90-150	0.1110E-04
30-45.00	0.1416E-01	-7.5 TO 52.5	0.2049E-05	82.5-142.5	0.1944E-05	30	0- 60	0.9538E-05	90-150	0.9112E-05
45-60.00	0.1846E-01	-7.5 TO 52.5	0.1344E-05	82.5-142.5	0.1254E-05	45	0- 60	0.6878E-05	90-150	0.6447E-05
60-75.00	0.2149E-01	-7.5 TO 52.5	0.6266E-06	82.5-142.5	0.5731E-06	60	0- 60	0.3940E-05	90-150	0.3628E-05
75-82.61	0.1161E-01	-7.5 TO 52.5	0.1307E-06	82.5-142.5	0.1100E-06	75	0- 60	0.1156E-05	90-150	0.1021E-05
0-15.00	0.3796E-02	-7.5 TO 67.5	0.2917E-05	82.5-157.5	0.2873E-05	0	0- 75	0.1489E-04	90-165	0.1489E-04
15-30.00	0.1113E-01	-7.5 TO 67.5	0.2611E-05	82.5-157.5	0.2522E-05	15	0- 75	0.1419E-04	90-165	0.1386E-04
30-45.00	0.1770E-01	-7.5 TO 67.5	0.2042E-05	82.5-157.5	0.1935E-05	30	0- 75	0.1189E-04	90-165	0.1135E-04
45-60.00	0.2307E-01	-7.5 TO 67.5	0.1339E-05	82.5-157.5	0.1247E-05	45	0- 75	0.8560E-05	90-165	0.8022E-05
60-75.00	0.2687E-01	-7.5 TO 67.5	0.6232E-06	82.5-157.5	0.5689E-06	60	0- 75	0.4898E-05	90-165	0.4509E-05
75-82.61	0.1451E-01	-7.5 TO 67.5	0.1294E-06	82.5-157.5	0.1085E-06	75	0- 75	0.1434E-05	90-165	0.1265E-05
0-15.00	0.4555E-02	-7.5 TO 82.5	0.2914E-05	82.5-172.5	0.2870E-05	0	0- 90	0.1787E-04	90-180	0.1787E-04
15-30.00	0.1336E-01	-7.5 TO 82.5	0.2604E-05	82.5-172.5	0.2516E-05	15	0- 90	0.1700E-04	90-180	0.1661E-04
30-45.00	0.2124E-01	-7.5 TO 82.5	0.2035E-05	82.5-172.5	0.1928E-05	30	0- 90	0.1421E-04	90-180	0.1359E-04
45-60.00	0.2769E-01	-7.5 TO 82.5	0.1332E-05	82.5-172.5	0.1241E-05	45	0- 90	0.1022E-04	90-180	0.9592E-05
60-75.00	0.3224E-01	-7.5 TO 82.5	0.6193E-06	82.5-172.5	0.5655E-06	60	0- 90	0.5841E-05	90-180	0.5387E-05
75-82.61	0.1741E-01	-7.5 TO 82.5	0.1278E-06	82.5-172.5	0.1072E-06	75	0- 90	0.1704E-05	90-180	0.1507E-05
0-15.00	0.5314E-02	-7.5 TO 97.5	0.2910E-05	82.5-187.5	0.2868E-05	0	0-105	0.2085E-04	90-195	0.2085E-04
15-30.00	0.1558E-01	-7.5 TO 97.5	0.2597E-05	82.5-187.5	0.2511E-05	15	0-105	0.1979E-04	90-195	0.1936E-04
30-45.00	0.2479E-01	-7.5 TO 97.5	0.2026E-05	82.5-187.5	0.1923E-05	30	0-105	0.1652E-04	90-195	0.1583E-04
45-60.00	0.3230E-01	-7.5 TO 97.5	0.1325E-05	82.5-187.5	0.1237E-05	45	0-105	0.1186E-04	90-195	0.1116E-04
60-75.00	0.3762E-01	-7.5 TO 97.5	0.6149E-06	82.5-187.5	0.5628E-06	60	0-105	0.6768E-05	90-195	0.6264E-05
75-82.61	0.2031E-01	-7.5 TO 97.5	0.1261E-06	82.5-187.5	0.1062E-06	75	0-105	0.1968E-05	90-195	0.1750E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

r_2/r_1 = 0.10 d/r_1 = 7.000 cosh μ_1 = 3.5707 cosh μ_2 = 34.2929 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 133.81

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7592E-03	-7.5 TO 7.5	0.5859E-05	82.5- 97.5	0.5747E-05	0	0- 15	0.5925E-05	90-105	0.5925E-05
15-30.00	0.2226E-02	-7.5 TO 7.5	0.4298E-05	82.5- 97.5	0.5081E-05	15	0- 15	0.5728E-05	90-105	0.5550E-05
30-45.00	0.3541E-02	-7.5 TO 7.5	0.4190E-05	82.5- 97.5	0.3928E-05	30	0- 15	0.4860E-05	90-105	0.4577E-05
45-60.00	0.4615E-02	-7.5 TO 7.5	0.2772E-05	82.5- 97.5	0.2548E-05	45	0- 15	0.3539E-05	90-105	0.3252E-05
60-75.00	0.5374E-02	-7.5 TO 7.5	0.1304E-05	82.5- 97.5	0.1172E-05	60	0- 15	0.2045E-05	90-105	0.1838E-05
75-82.61	0.2902E-02	-7.5 TO 7.5	0.2817E-06	82.5- 97.5	0.2312E-06	75	0- 15	0.6121E-06	90-105	0.5227E-06
0-15.00	0.1518E-02	-7.5 TO 22.5	0.5853E-05	82.5-112.5	0.5733E-05	0	0- 30	0.1185E-04	90-120	0.1185E-04
15-30.00	0.4452E-02	-7.5 TO 22.5	0.5295E-05	82.5-112.5	0.5053E-05	15	0- 30	0.1145E-04	90-120	0.1106E-04
30-45.00	0.7082E-02	-7.5 TO 22.5	0.4185E-05	82.5-112.5	0.3895E-05	30	0- 30	0.9703E-05	90-120	0.9091E-05
45-60.00	0.9229E-02	-7.5 TO 22.5	0.2768E-05	82.5-112.5	0.2520E-05	45	0- 30	0.7061E-05	90-120	0.6441E-05
60-75.00	0.1075E-01	-7.5 TO 22.5	0.1302E-05	82.5-112.5	0.1155E-05	60	0- 30	0.4078E-05	90-120	0.3631E-05
75-82.61	0.5804E-02	-7.5 TO 22.5	0.2807E-06	82.5-112.5	0.2251E-06	75	0- 30	0.1219E-05	90-120	0.1026E-05
0-15.00	0.2278E-02	-7.5 TO 37.5	0.5849E-05	82.5-127.5	0.5719E-05	0	0- 45	0.1778E-04	90-135	0.1778E-04
15-30.00	0.6678E-02	-7.5 TO 37.5	0.5286E-05	82.5-127.5	0.5027E-05	15	0- 45	0.1714E-04	90-135	0.1654E-04
30-45.00	0.1062E-01	-7.5 TO 37.5	0.4175E-05	82.5-127.5	0.3863E-05	30	0- 45	0.1451E-04	90-135	0.1355E-04
45-60.00	0.1384E-01	-7.5 TO 37.5	0.2759E-05	82.5-127.5	0.2493E-05	45	0- 45	0.1055E-04	90-135	0.9574E-05
60-75.00	0.1612E-01	-7.5 TO 37.5	0.1297E-05	82.5-127.5	0.1140E-05	60	0- 45	0.6086E-05	90-135	0.5384E-05
75-82.61	0.8706E-02	-7.5 TO 37.5	0.2787E-06	82.5-127.5	0.2195E-06	75	0- 45	0.1814E-05	90-135	0.1514E-05
0-15.00	0.3037E-02	-7.5 TO 52.5	0.5843E-05	82.5-142.5	0.5707E-05	0	0- 60	0.2370E-04	90-150	0.2370E-04
15-30.00	0.8903E-02	-7.5 TO 52.5	0.5273E-05	82.5-142.5	0.5002E-05	15	0- 60	0.2281E-04	90-150	0.2198E-04
30-45.00	0.1416E-01	-7.5 TO 52.5	0.4159E-05	82.5-142.5	0.3834E-05	30	0- 60	0.1928E-04	90-150	0.1796E-04
45-60.00	0.1846E-01	-7.5 TO 52.5	0.2746E-05	82.5-142.5	0.2469E-05	45	0- 60	0.1399E-04	90-150	0.1266E-04
60-75.00	0.2149E-01	-7.5 TO 52.5	0.1289E-05	82.5-142.5	0.1125E-05	60	0- 60	0.8060E-05	90-150	0.7104E-05
75-82.61	0.1161E-01	-7.5 TO 52.5	0.2756E-06	82.5-142.5	0.2143E-06	75	0- 60	0.2395E-05	90-150	0.1987E-05
0-15.00	0.3796E-02	-7.5 TO 67.5	0.5834E-05	82.5-157.5	0.5696E-05	0	0- 75	0.2963E-04	90-165	0.2963E-04
15-30.00	0.1113E-01	-7.5 TO 67.5	0.5256E-05	82.5-157.5	0.4981E-05	15	0- 75	0.2844E-04	90-165	0.2741E-04
30-45.00	0.1770E-01	-7.5 TO 67.5	0.4139E-05	82.5-157.5	0.3808E-05	30	0- 75	0.2398E-04	90-165	0.2234E-04
45-60.00	0.2307E-01	-7.5 TO 67.5	0.2728E-05	82.5-157.5	0.2447E-05	45	0- 75	0.1737E-04	90-165	0.1571E-04
60-75.00	0.2687E-01	-7.5 TO 67.5	0.1278E-05	82.5-157.5	0.1113E-05	60	0- 75	0.9992E-05	90-165	0.8801E-05
75-82.61	0.1451E-01	-7.5 TO 67.5	0.2716E-06	82.5-157.5	0.2099E-06	75	0- 75	0.2958E-05	90-165	0.2452E-05
0-15.00	0.4555E-02	-7.5 TO 82.5	0.5824E-05	82.5-172.5	0.5687E-05	0	0- 90	0.3555E-04	90-180	0.3555E-04
15-30.00	0.1336E-01	-7.5 TO 82.5	0.5237E-05	82.5-172.5	0.4963E-05	15	0- 90	0.3403E-04	90-180	0.3282E-04
30-45.00	0.2124E-01	-7.5 TO 82.5	0.4115E-05	82.5-172.5	0.3787E-05	30	0- 90	0.2862E-04	90-180	0.2670E-04
45-60.00	0.2769E-01	-7.5 TO 82.5	0.2708E-05	82.5-172.5	0.2429E-05	45	0- 90	0.2069E-04	90-180	0.1875E-04
60-75.00	0.3224E-01	-7.5 TO 82.5	0.1266E-05	82.5-172.5	0.1102E-05	60	0- 90	0.1188E-04	90-180	0.1049E-04
75-82.61	0.1741E-01	-7.5 TO 82.5	0.2670E-06	82.5-172.5	0.2062E-06	75	0- 90	0.3500E-05	90-180	0.2911E-05
0-15.00	0.5314E-02	-7.5 TO 97.5	0.5813E-05	82.5-187.5	0.5681E-05	0	0-105	0.4148E-04	90-195	0.4148E-04
15-30.00	0.1558E-01	-7.5 TO 97.5	0.5214E-05	82.5-187.5	0.4949E-05	15	0-105	0.3958E-04	90-195	0.3824E-04
30-45.00	0.2479E-01	-7.5 TO 97.5	0.4088E-05	82.5-187.5	0.3771E-05	30	0-105	0.3320E-04	90-195	0.3106E-04
45-60.00	0.3230E-01	-7.5 TO 97.5	0.2685E-05	82.5-187.5	0.2415E-05	45	0-105	0.2394E-04	90-195	0.2179E-04
60-75.00	0.3762E-01	-7.5 TO 97.5	0.1253E-05	82.5-187.5	0.1094E-05	60	0-105	0.1372E-04	90-195	0.1217E-04
75-82.61	0.2031E-01	-7.5 TO 97.5	0.2617E-06	82.5-187.5	0.2034E-06	75	0-105	0.4023E-05	90-195	0.3371E-05

r_2/r_1 = 0.10 d/r_1 = 7.000 cosh μ_1 = 3.5707 cosh μ_2 = 34.2929 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 118.54

0-15.00	0.7592E-03	-7.5 TO 7.5	0.8788E-05	82.5- 97.5	0.8560E-05	0	0- 15	0.8825E-05	90-105	0.8825E-05
15-30.00	0.2226E-02	-7.5 TO 7.5	0.8026E-05	82.5- 97.5	0.7969E-05	15	0- 15	0.8628E-05	90-105	0.8255E-05
30-45.00	0.3541E-02	-7.5 TO 7.5	0.6402E-05	82.5- 97.5	0.5854E-05	30	0- 15	0.7394E-05	90-105	0.6799E-05
45-60.00	0.4615E-02	-7.5 TO 7.5	0.4266E-05	82.5- 97.5	0.3799E-05	45	0- 15	0.5428E-05	90-105	0.4827E-05
60-75.00	0.5374E-02	-7.5 TO 7.5	0.2022E-05	82.5- 97.5	0.1748E-05	60	0- 15	0.3159E-05	90-105	0.2727E-05
75-82.61	0.2902E-02	-7.5 TO 7.5	0.4463E-06	82.5- 97.5	0.3458E-06	75	0- 15	0.9568E-06	90-105	0.7753E-06
0-15.00	0.1518E-02	-7.5 TO 22.5	0.8784E-05	82.5-112.5	0.8531E-05	0	0- 30	0.1765E-04	90-120	0.1765E-04
15-30.00	0.4452E-02	-7.5 TO 22.5	0.8018E-05	82.5-112.5	0.7511E-05	15	0- 30	0.1723E-04	90-120	0.1643E-04
30-45.00	0.7082E-02	-7.5 TO 22.5	0.6392E-05	82.5-112.5	0.5784E-05	30	0- 30	0.1475E-04	90-120	0.1347E-04
45-60.00	0.9229E-02	-7.5 TO 22.5	0.4258E-05	82.5-112.5	0.3740E-05	45	0- 30	0.1082E-04	90-120	0.9522E-05
60-75.00	0.1075E-01	-7.5 TO 22.5	0.2017E-05	82.5-112.5	0.1714E-05	60	0- 30	0.6291E-05	90-120	0.5361E-05
75-82.61	0.5804E-02	-7.5 TO 22.5	0.4445E-06	82.5-112.5	0.3340E-06	75	0- 30	0.1902E-05	90-120	0.1513E-05
0-15.00	0.2278E-02	-7.5 TO 37.5	0.8775E-05	82.5-127.5	0.8503E-05	0	0- 45	0.2648E-04	90-135	0.2648E-04
15-30.00	0.6678E-02	-7.5 TO 37.5	0.8000E-05	82.5-127.5	0.7455E-05	15	0- 45	0.2580E-04	90-135	0.2452E-04
30-45.00	0.1062E-01	-7.5 TO 37.5	0.6371E-05	82.5-127.5	0.5717E-05	30	0- 45	0.2204E-04	90-135	0.2002E-04
45-60.00	0.1384E-01	-7.5 TO 37.5	0.4239E-05	82.5-127.5	0.3684E-05	45	0- 45	0.1614E-04	90-135	0.1410E-04
60-75.00	0.1612E-01	-7.5 TO 37.5	0.2006E-05	82.5-127.5	0.1682E-05	60	0- 45	0.9372E-05	90-135	0.7911E-05
75-82.61	0.8706E-02	-7.5 TO 37.5	0.4403E-06	82.5-127.5	0.3231E-06	75	0- 45	0.2825E-05	90-135	0.2217E-05
0-15.00	0.3037E-02	-7.5 TO 52.5	0.8761E-05	82.5-142.5	0.8477E-05	0	0- 60	0.3530E-04	90-150	0.3530E-04
15-30.00	0.8903E-02	-7.5 TO 52.5	0.7973E-05	82.5-142.5	0.7404E-05	15	0- 60	0.3430E-04	90-150	0.3256E-04
30-45.00	0.1416E-01	-7.5 TO 52.5	0.6338E-05	82.5-142.5	0.5656E-05	30	0- 60	0.2923E-04	90-150	0.2647E-04
45-60.00	0.1846E-01	-7.5 TO 52.5	0.4211E-05	82.5-142.5	0.3633E-05	45	0- 60	0.2136E-04	90-150	0.1858E-04
60-75.00	0.2149E-01	-7.5 TO 52.5	0.1990E-05	82.5-142.5	0.1653E-05	60	0- 60	0.1238E-04	90-150	0.1039E-04
75-82.61	0.1161E-01	-7.5 TO 52.5	0.4341E-06	82.5-142.5	0.3132E-06	75	0- 60	0.3718E-05	90-150	0.2896E-05
0-15.00	0.3796E-02	-7.5 TO 67.5	0.8744E-05	82.5-157.5	0.8454E-05	0	0- 75	0.4413E-04	90-165	0.4413E-04
15-30.00	0.1113E-01	-7.5 TO 67.5	0.7938E-05	82.5-157.5	0.7359E-05	15	0- 75	0.4272E-04	90-165	0.4055E-04
30-45.00	0.1770E-01	-7.5 TO 67.5	0.6296E-05	82.5-157.5	0.5603E-05	30	0- 75	0.3630E-04	90-165	0.3285E-04
45-60.00	0.2307E-01	-7.5 TO 67.5	0.4175E-05	82.5-157.5	0.3588E-05	45	0- 75	0.2646E-04	90-165	0.2300E-04
60-75.00	0.2687E-01	-7.5 TO 67.5	0.1968E-05	82.5-157.5	0.1627E-05	60	0- 75	0.1530E-04	90-165	0.1283E-04
75-82.61	0.1451E-01	-7.5 TO 67.5	0.4261E-06	82.5-157.5	0.3047E-06	75	0- 75	0.4573E-05	90-165	0.3556E-05
0-15.00	0.4555E-02	-7.5 TO 82.5	0.8723E-05	82.5-172.5	0.8436E-05	0	0- 90	0.5295E-04	90-180	0.5295E-04
15-30.00	0.1336E-01	-7.5 TO 82.5	0.7896E-05	82.5-172.5	0.7322E-05	15	0- 90	0.5106E-04	90-180	0.4852E-04
30-45.00	0.2124E-01	-7.5 TO 82.5	0.6245E-05	82.5-172.5	0.5559E-05	30	0- 90	0.4324E-04	90-180	0.3920E-04
45-60.00	0.2769E-01	-7.5 TO 82.5	0.4132E-05	82.5-172.5	0.3551E-05	45	0- 90	0.3143E-04	90-180	0.2738E-04
60-75.00	0.3224E-01	-7.5 TO 82.5	0.1943E-05	82.5-172.5	0.1606E-05	60	0- 90	0.1813E-04	90-180	0.1524E-04
75-82.61	0.1741E-01	-7.5 TO 82.5	0.4168E-06	82.5-172.5	0.2978E-06	75	0- 90	0.5389E-05	90-180	0.4207E-05
0-15.00	0.5314E-02	-7.5 TO 97.5	0.8700E-05	82.5-187.5	0.8421E-05	0	0-105	0.6178E-04	90-195	0.6178E-04
15-30.00	0.1558E-01	-7.5 TO 97.5	0.7849E-05	82.5-187.5	0.7293E-05	15	0-105	0.5932E-04	90-195	0.5649E-04
30-45.00	0.2479E-01	-7.5 TO 97.5	0.6189E-05	82.5-187.5	0.5524E-05	30	0-105	0.5004E-04	90-195	0.4556E-04
45-60.00	0.3230E-01	-7.5 TO 97.5	0.4085E-05	82.5-187.5	0.3522E-05	45	0-105	0.3625E-04	90-195	0.3176E-04
60-75.00	0.3762E-01	-7.5 TO 97.5	0.1919E-05	82.5-187.5	0.1590E-05	60	0-105	0.2085E-04	90-195	0.1765E-04
75-82.61	0.2031E-01	-7.5 TO 97.5	0.4067E-06	82.5-187.5	0.2924F-06	75	0-105	0.6164E-05	90-195	0.4857E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

r_2/r_1 = 0.10 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5707 $\cosh \mu_2$ = 34.2929 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 103.38

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7592E-03	-7.5 TO 7.5	0.1094E-04	82.5- 97.5	0.1056E-04	0	0- 15	0.1089E-04	90-105	0.1089E-04
15-30.00	0.2226E-02	-7.5 TO 7.5	0.1011E-04	82.5- 97.5	0.9342E-05	15	0- 15	0.1079E-04	90-105	0.1017E-04
30-45.00	0.3541E-02	-7.5 TO 7.5	0.8144E-05	82.5- 97.5	0.7226E-05	30	0- 15	0.9359E-05	90-105	0.8362E-05
45-60.00	0.4615E-02	-7.5 TO 7.5	0.5470E-05	82.5- 97.5	0.4691E-05	45	0- 15	0.6935E-05	90-105	0.5930E-05
60-75.00	0.5374E-02	-7.5 TO 7.5	0.2610E-05	82.5- 97.5	0.2160E-05	60	0- 15	0.4064E-05	90-105	0.3348E-05
75-82.61	0.2902E-02	-7.5 TO 7.5	0.5851E-06	82.5- 97.5	0.4284E-06	75	0- 15	0.1243E-05	90-105	0.9520E-06
0-15.00	0.1518E-02	-7.5 TO 22.5	0.1094E-04	82.5-112.5	0.1051E-04	0	0- 30	0.2178E-04	90-120	0.2178E-04
15-30.00	0.4452E-02	-7.5 TO 22.5	0.1009E-04	82.5-112.5	0.9244E-05	15	0- 30	0.2155E-04	90-120	0.2020E-04
30-45.00	0.7082E-02	-7.5 TO 22.5	0.8128E-05	82.5-112.5	0.7109E-05	30	0- 30	0.1866E-04	90-120	0.1650E-04
45-60.00	0.9229E-02	-7.5 TO 22.5	0.5456E-05	82.5-112.5	0.4593E-05	45	0- 30	0.1381E-04	90-120	0.1164E-04
60-75.00	0.1075E-01	-7.5 TO 22.5	0.2602E-05	82.5-112.5	0.2105E-05	60	0- 30	0.8083E-05	90-120	0.6542E-05
75-82.61	0.5804E-02	-7.5 TO 22.5	0.5822E-06	82.5-112.5	0.4104E-06	75	0- 30	0.2467E-05	90-120	0.1845E-05
0-15.00	0.2278E-02	-7.5 TO 37.5	0.1092E-04	82.5-127.5	0.1047E-04	0	0- 45	0.3267E-04	90-135	0.3267E-04
15-30.00	0.6678E-02	-7.5 TO 37.5	0.1006E-04	82.5-127.5	0.9150E-05	15	0- 45	0.3223E-04	90-135	0.3010E-04
30-45.00	0.1062E-01	-7.5 TO 37.5	0.8092E-05	82.5-127.5	0.6998E-05	30	0- 45	0.2784E-04	90-135	0.2445E-04
45-60.00	0.1384E-01	-7.5 TO 37.5	0.5425E-05	82.5-127.5	0.4501E-05	45	0- 45	0.2056E-04	90-135	0.1715E-04
60-75.00	0.1612E-01	-7.5 TO 37.5	0.2584E-05	82.5-127.5	0.2053E-05	60	0- 45	0.1202E-04	90-135	0.9600E-05
75-82.61	0.8706E-02	-7.5 TO 37.5	0.5756E-06	82.5-127.5	0.3939E-06	75	0- 45	0.3655E-05	90-135	0.2686E-05
0-15.00	0.3037E-02	-7.5 TO 52.5	0.1090E-04	82.5-142.5	0.1042E-04	0	0- 60	0.4356E-04	90-150	0.4356E-04
15-30.00	0.8903E-02	-7.5 TO 52.5	0.1002E-04	82.5-142.5	0.9065E-05	15	0- 60	0.4281E-04	90-150	0.3990E-04
30-45.00	0.1416E-01	-7.5 TO 52.5	0.8037E-05	82.5-142.5	0.6897E-05	30	0- 60	0.3686E-04	90-150	0.3223E-04
45-60.00	0.1846E-01	-7.5 TO 52.5	0.5379E-05	82.5-142.5	0.4416E-05	45	0- 60	0.2715E-04	90-150	0.2251E-04
60-75.00	0.2149E-01	-7.5 TO 52.5	0.2556E-05	82.5-142.5	0.2005E-05	60	0- 60	0.1583E-04	90-150	0.1255E-04
75-82.61	0.1161E-01	-7.5 TO 52.5	0.5657E-06	82.5-142.5	0.3792E-06	75	0- 60	0.4793E-05	90-150	0.3486E-05
0-15.00	0.3796E-02	-7.5 TO 67.5	0.1087E-04	82.5-157.5	0.1039E-04	0	0- 75	0.5445E-04	90-165	0.5445E-04
15-30.00	0.1113E-01	-7.5 TO 67.5	0.9959E-05	82.5-157.5	0.8990E-05	15	0- 75	0.5327E-04	90-165	0.4963E-04
30-45.00	0.1770E-01	-7.5 TO 67.5	0.7966E-05	82.5-157.5	0.6808E-05	30	0- 75	0.4567E-04	90-165	0.3990E-04
45-60.00	0.2307E-01	-7.5 TO 67.5	0.5318E-05	82.5-157.5	0.4342E-05	45	0- 75	0.3353E-04	90-165	0.2776E-04
60-75.00	0.2687E-01	-7.5 TO 67.5	0.2521E-05	82.5-157.5	0.1964E-05	60	0- 75	0.1950E-04	90-165	0.1542E-04
75-82.61	0.1451E-01	-7.5 TO 67.5	0.5532E-06	82.5-157.5	0.3666E-06	75	0- 75	0.5873E-05	90-165	0.4258E-05
0-15.00	0.4555E-02	-7.5 TO 82.5	0.1084E-04	82.5-172.5	0.1035E-04	0	0- 90	0.6534E-04	90-180	0.6534E-04
15-30.00	0.1336E-01	-7.5 TO 82.5	0.9889E-05	82.5-172.5	0.8927E-05	15	0- 90	0.6358E-04	90-180	0.5932E-04
30-45.00	0.2124E-01	-7.5 TO 82.5	0.7882E-05	82.5-172.5	0.6734E-05	30	0- 90	0.5426E-04	90-180	0.4752E-04
45-60.00	0.2769E-01	-7.5 TO 82.5	0.5247E-05	82.5-172.5	0.4280E-05	45	0- 90	0.3969E-04	90-180	0.3294E-04
60-75.00	0.3224E-01	-7.5 TO 82.5	0.2480E-05	82.5-172.5	0.1930E-05	60	0- 90	0.2301E-04	90-180	0.1825E-04
75-82.61	0.1741E-01	-7.5 TO 82.5	0.5387E-06	82.5-172.5	0.3563E-06	75	0- 90	0.6889E-05	90-180	0.5015E-05
0-15.00	0.5314E-02	-7.5 TO 97.5	0.1080E-04	82.5-187.5	0.1033E-04	0	0-105	0.7623E-04	90-195	0.7623E-04
15-30.00	0.1558E-01	-7.5 TO 97.5	0.9811E-05	82.5-187.5	0.8879E-05	15	0-105	0.7375E-04	90-195	0.6901E-04
30-45.00	0.2479E-01	-7.5 TO 97.5	0.7788E-05	82.5-187.5	0.6677E-05	30	0-105	0.6262E-04	90-195	0.5513E-04
45-60.00	0.3230E-01	-7.5 TO 97.5	0.5167E-05	82.5-187.5	0.4232E-05	45	0-105	0.4563E-04	90-195	0.3813E-04
60-75.00	0.3762E-01	-7.5 TO 97.5	0.2434E-05	82.5-187.5	0.1903E-05	60	0-105	0.2636E-04	90-195	0.2108E-04
75-82.61	0.2031E-01	-7.5 TO 97.5	0.5229E-06	82.5-187.5	0.3483E-06	75	0-105	0.7841E-05	90-195	0.5773E-05

r_2/r_1 = 0.10 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5707 $\cosh \mu_2$ = 34.2929 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 88.33

0-15.00	0.7592E-03	-7.5 TO 7.5	0.1177E-04	82.5- 97.5	0.1123E-04	0	0- 15	0.1157E-04	90-105	0.1157E-04
15-30.00	0.2226E-02	-7.5 TO 7.5	0.1103E-04	82.5- 97.5	0.9931E-05	15	0- 15	0.1168E-04	90-105	0.1078E-04
30-45.00	0.3541E-02	-7.5 TO 7.5	0.9000E-05	82.5- 97.5	0.7684E-05	30	0- 15	0.1028E-04	90-105	0.8851E-05
45-60.00	0.4615E-02	-7.5 TO 7.5	0.6101E-05	82.5- 97.5	0.4990E-05	45	0- 15	0.7702E-05	90-105	0.6269E-05
60-75.00	0.5374E-02	-7.5 TO 7.5	0.2930E-05	82.5- 97.5	0.2299E-05	60	0- 15	0.4549E-05	90-105	0.3537E-05
75-82.61	0.2902E-02	-7.5 TO 7.5	0.6627E-06	82.5- 97.5	0.4564E-06	75	0- 15	0.1400E-05	90-105	0.1005E-05
0-15.00	0.1518E-02	-7.5 TO 22.5	0.1176E-04	82.5-112.5	0.1116E-04	0	0- 30	0.2315E-04	90-120	0.2315E-04
15-30.00	0.4452E-02	-7.5 TO 22.5	0.1101E-04	82.5-112.5	0.9794E-05	15	0- 30	0.2330E-04	90-120	0.2137E-04
30-45.00	0.7082E-02	-7.5 TO 22.5	0.8977E-05	82.5-112.5	0.7522E-05	30	0- 30	0.2047E-04	90-120	0.1740E-04
45-60.00	0.9229E-02	-7.5 TO 22.5	0.6082E-05	82.5-112.5	0.4856E-05	45	0- 30	0.1532E-04	90-120	0.1224E-04
60-75.00	0.1075E-01	-7.5 TO 22.5	0.2919E-05	82.5-112.5	0.2224E-05	60	0- 30	0.9035E-05	90-120	0.6867E-05
75-82.61	0.5804E-02	-7.5 TO 22.5	0.6588E-06	82.5-112.5	0.4340E-06	75	0- 30	0.2775E-05	90-120	0.1935E-05
0-15.00	0.2278E-02	-7.5 TO 37.5	0.1174E-04	82.5-127.5	0.1109E-04	0	0- 45	0.3472E-04	90-135	0.3472E-04
15-30.00	0.6678E-02	-7.5 TO 37.5	0.1097E-04	82.5-127.5	0.9665E-05	15	0- 45	0.3482E-04	90-135	0.3179E-04
30-45.00	0.1062E-01	-7.5 TO 37.5	0.8925E-05	82.5-127.5	0.7371E-05	30	0- 45	0.3049E-04	90-135	0.2568E-04
45-60.00	0.1384E-01	-7.5 TO 37.5	0.6037E-05	82.5-127.5	0.4731E-05	45	0- 45	0.2276E-04	90-135	0.1795E-04
60-75.00	0.1612E-01	-7.5 TO 37.5	0.2893E-05	82.5-127.5	0.2156E-05	60	0- 45	0.1340E-04	90-135	0.1002E-04
75-82.61	0.8706E-02	-7.5 TO 37.5	0.6500E-06	82.5-127.5	0.4138E-06	75	0- 45	0.4101E-05	90-135	0.2801E-05
0-15.00	0.3037E-02	-7.5 TO 52.5	0.1171E-04	82.5-142.5	0.1103E-04	0	0- 60	0.4630E-04	90-150	0.4630E-04
15-30.00	0.8903E-02	-7.5 TO 52.5	0.1090E-04	82.5-142.5	0.9548E-05	15	0- 60	0.4619E-04	90-150	0.4206E-04
30-45.00	0.1416E-01	-7.5 TO 52.5	0.8846E-05	82.5-142.5	0.7235E-05	30	0- 60	0.4028E-04	90-150	0.3375E-04
45-60.00	0.1846E-01	-7.5 TO 52.5	0.5970E-05	82.5-142.5	0.4620E-05	45	0- 60	0.2996E-04	90-150	0.2346E-04
60-75.00	0.2149E-01	-7.5 TO 52.5	0.2854F-05	82.5-142.5	0.2095E-05	60	0- 60	0.1759E-04	90-150	0.1304E-04
75-82.61	0.1161E-01	-7.5 TO 52.5	0.6368E-06	82.5-142.5	0.3962E-06	75	0- 60	0.5358E-05	90-150	0.3618E-05
0-15.00	0.3796E-02	-7.5 TO 67.5	0.1167E-04	82.5-157.5	0.1098E-04	0	0- 75	0.5787E-04	90-165	0.5787E-04
15-30.00	0.1113E-01	-7.5 TO 67.5	0.1082E-04	82.5-157.5	0.9447E-05	15	0- 75	0.5738E-04	90-165	0.5224E-04
30-45.00	0.1770E-01	-7.5 TO 67.5	0.8744E-05	82.5-157.5	0.7118E-05	30	0- 75	0.4977E-04	90-165	0.4168E-04
45-60.00	0.2307E-01	-7.5 TO 67.5	0.5884E-05	82.5-157.5	0.4524E-05	45	0- 75	0.3688E-04	90-165	0.2883E-04
60-75.00	0.2687E-01	-7.5 TO 67.5	0.2805E-05	82.5-157.5	0.2043E-05	60	0- 75	0.2158E-04	90-165	0.1596E-04
75-82.61	0.1451E-01	-7.5 TO 67.5	0.6202E-06	82.5-157.5	0.3813E-06	75	0- 75	0.6536E-05	90-165	0.4402E-05
0-15.00	0.4555E-02	-7.5 TO 82.5	0.1162E-04	82.5-172.5	0.1094E-04	0	0- 90	0.6944E-04	90-180	0.6944E-04
15-30.00	0.1336E-01	-7.5 TO 82.5	0.1072E-04	82.5-172.5	0.9363E-05	15	0- 90	0.6837E-04	90-180	0.6237E-04
30-45.00	0.2124E-01	-7.5 TO 82.5	0.8623E-05	82.5-172.5	0.7021E-05	30	0- 90	0.5895E-04	90-180	0.4953E-04
45-60.00	0.2769E-01	-7.5 TO 82.5	0.5782E-05	82.5-172.5	0.4445E-05	45	0- 90	0.4347E-04	90-180	0.3413E-04
60-75.00	0.3224E-01	-7.5 TO 82.5	0.2747E-05	82.5-172.5	0.2000E-05	60	0- 90	0.2534E-04	90-180	0.1884E-04
75-82.61	0.1741E-01	-7.5 TO 82.5	0.6010E-06	82.5-172.5	0.3692E-06	75	0- 90	0.7626E-05	90-180	0.5170E-05
0-15.00	0.5314E-02	-7.5 TO 97.5	0.1156E-04	82.5-187.5	0.1090E-04	0	0-105	0.8102E-04	90-195	0.8102E-04
15-30.00	0.1558E-01	-7.5 TO 97.5	0.1060E-04	82.5-187.5	0.9298E-05	15	0-105	0.7915E-04	90-195	0.7250E-04
30-45.00	0.2479E-01	-7.5 TO 97.5	0.8489F-05	82.5-187.5	0.6947E-05	30	0-105	0.6780E-04	90-195	0.5738E-04
45-60.00	0.3230E-01	-7.5 TO 97.5	0.5669E-05	82.5-187.5	0.4385E-05	45	0-105	0.4974E-04	90-195	0.3943E-04
60-75.00	0.3762E-01	-7.5 TO 97.5	0.2683E-05	82.5-187.5	0.1968E-05	60	0-105	0.2888E-04	90-195	0.2172E-04
75-82.61	0.2031E-01	-7.5 TO 97.5	0.5804E-06	82.5-187.5	0.3600E-06	75	0-105	0.8631E-05	90-195	0.5938E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

$r_2/r_1 = 0.10$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5707$ $\cosh \mu_2 = 34.2929$ $\alpha_{2,max} = 97.39$ $\theta_{2,min} = 80.96$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7592E-03	-7.5 TO 7.5	0.1178E-04	82.5- 97.5	0.1123E-04	0	0- 15	0.1157E-04	90-105	0.1157E-04
15-30.00	0.2226E-02	-7.5 TO 7.5	0.1105E-04	82.5- 97.5	0.9931E-05	15	0- 15	0.1169E-04	90-105	0.1078E-04
30-45.00	0.3541E-02	-7.5 TO 7.5	0.9052E-05	82.5- 97.5	0.7684E-05	30	0- 15	0.1032E-04	90-105	0.8851E-05
45-60.00	0.4615E-02	-7.5 TO 7.5	0.6160E-05	82.5- 97.5	0.4990E-05	45	0- 15	0.7762E-05	90-105	0.6269E-05
60-75.00	0.5374E-02	-7.5 TO 7.5	0.2966E-05	82.5- 97.5	0.2299E-05	60	0- 15	0.4600E-05	90-105	0.3537E-05
75-82.61	0.2902E-02	-7.5 TO 7.5	0.6723E-06	82.5- 97.5	0.4564E-06	75	0- 15	0.1420E-05	90-105	0.1005E-05
0-15.00	0.1618E-02	-7.5 TO 22.5	0.1177E-04	82.5-112.5	0.1116E-04	0	0- 30	0.2315E-04	90-120	0.2315E-04
15-30.00	0.4452E-02	-7.5 TO 22.5	0.1103E-04	82.5-112.5	0.9794E-05	15	0- 30	0.2332E-04	90-120	0.2137E-04
30-45.00	0.7082E-02	-7.5 TO 22.5	0.9027E-05	82.5-112.5	0.7522E-05	30	0- 30	0.2054E-04	90-120	0.1740E-04
45-60.00	0.9229E-02	-7.5 TO 22.5	0.6138E-05	82.5-112.5	0.4856E-05	45	0- 30	0.1543E-04	90-120	0.1224E-04
60-75.00	0.1075E-01	-7.5 TO 22.5	0.2954E-05	82.5-112.5	0.2224E-05	60	0- 30	0.9130E-05	90-120	0.6867E-05
75-82.61	0.5804E-02	-7.5 TO 22.5	0.6680E-06	82.5-112.5	0.4340E-06	75	0- 30	0.2810E-05	90-120	0.1935E-05
0-15.00	0.2278E-02	-7.5 TO 37.5	0.1175E-04	82.5-127.5	0.1109E-04	0	0- 45	0.3472E-04	90-135	0.3472E-04
15-30.00	0.6678E-02	-7.5 TO 37.5	0.1099E-04	82.5-127.5	0.9665E-05	15	0- 45	0.3484E-04	90-135	0.3179E-04
30-45.00	0.1062E-01	-7.5 TO 37.5	0.8970E-05	82.5-127.5	0.7371E-05	30	0- 45	0.3058E-04	90-135	0.2568E-04
45-60.00	0.1384E-01	-7.5 TO 37.5	0.6089E-05	82.5-127.5	0.4731E-05	45	0- 45	0.2290E-04	90-135	0.1795E-04
60-75.00	0.1612E-01	-7.5 TO 37.5	0.2925E-05	82.5-127.5	0.2156E-05	60	0- 45	0.1352E-04	90-135	0.1002E-04
75-82.61	0.8706E-02	-7.5 TO 37.5	0.6584E-06	82.5-127.5	0.4138E-06	75	0- 45	0.4147E-05	90-135	0.2801E-05
0-15.00	0.3037E-02	-7.5 TO 52.5	0.1171E-04	82.5-142.5	0.1103E-04	0	0- 60	0.4630E-04	90-150	0.4630E-04
15-30.00	0.8903E-02	-7.5 TO 52.5	0.1092E-04	82.5-142.5	0.9548E-05	15	0- 60	0.4621E-04	90-150	0.4206E-04
30-45.00	0.1416E-01	-7.5 TO 52.5	0.8886E-05	82.5-142.5	0.7235E-05	30	0- 60	0.4038E-04	90-150	0.3375E-04
45-60.00	0.1846E-01	-7.5 TO 52.5	0.6016E-05	82.5-142.5	0.4620E-05	45	0- 60	0.3013E-04	90-150	0.2346E-04
60-75.00	0.2149E-01	-7.5 TO 52.5	0.2883E-05	82.5-142.5	0.2095E-05	60	0- 60	0.1774E-04	90-150	0.1304E-04
75-82.61	0.1161E-01	-7.5 TO 52.5	0.6442E-06	82.5-142.5	0.3962E-06	75	0- 60	0.5411E-05	90-150	0.3618E-05
0-15.00	0.3796E-02	-7.5 TO 67.5	0.1167E-04	82.5-157.5	0.1098E-04	0	0- 75	0.5787E-04	90-165	0.5787E-04
15-30.00	0.1113E-01	-7.5 TO 67.5	0.1083E-04	82.5-157.5	0.9447E-05	15	0- 75	0.5740E-04	90-165	0.5224E-04
30-45.00	0.1770E-01	-7.5 TO 67.5	0.8777E-05	82.5-157.5	0.7118E-05	30	0- 75	0.4988E-04	90-165	0.4168E-04
45-60.00	0.2307E-01	-7.5 TO 67.5	0.5922E-05	82.5-157.5	0.4524E-05	45	0- 75	0.3705E-04	90-165	0.2883E-04
60-75.00	0.2687E-01	-7.5 TO 67.5	0.2829E-05	82.5-157.5	0.2043E-05	60	0- 75	0.2173E-04	90-165	0.1596E-04
75-82.61	0.1451E-01	-7.5 TO 67.5	0.6264E-06	82.5-157.5	0.3813E-06	75	0- 75	0.6590E-05	90-165	0.4402E-05
0-15.00	0.4555E-02	-7.5 TO 82.5	0.1162E-04	82.5-172.5	0.1094E-04	0	0- 90	0.6944E-04	90-180	0.6944E-04
15-30.00	0.1336E-01	-7.5 TO 82.5	0.1073E-04	82.5-172.5	0.9363E-05	15	0- 90	0.6839E-04	90-180	0.6237E-04
30-45.00	0.2124E-01	-7.5 TO 82.5	0.8651E-05	82.5-172.5	0.7021E-05	30	0- 90	0.5905E-04	90-180	0.4953E-04
45-60.00	0.2769E-01	-7.5 TO 82.5	0.5814E-05	82.5-172.5	0.4445E-05	45	0- 90	0.4366E-04	90-180	0.3413E-04
60-75.00	0.3224E-01	-7.5 TO 82.5	0.2767E-05	82.5-172.5	0.2000E-05	60	0- 90	0.2549E-04	90-180	0.1884E-04
75-82.61	0.1741E-01	-7.5 TO 82.5	0.6063E-06	82.5-172.5	0.3692E-06	75	0- 90	0.7681E-05	90-180	0.5170E-05
0-15.00	0.5314E-02	-7.5 TO 97.5	0.1156E-04	82.5-187.5	0.1090E-04	0	0-105	0.8102E-04	90-195	0.8102E-04
15-30.00	0.1558E-01	-7.5 TO 97.5	0.1061E-04	82.5-187.5	0.9298E-05	15	0-105	0.7917E-04	90-195	0.7250E-04
30-45.00	0.2479E-01	-7.5 TO 97.5	0.8513E-05	82.5-187.5	0.6947E-05	30	0-105	0.6790E-04	90-195	0.5738E-04
45-60.00	0.3230E-01	-7.5 TO 97.5	0.5696E-05	82.5-187.5	0.4385E-05	45	0-105	0.4991E-04	90-195	0.3943E-04
60-75.00	0.3762E-01	-7.5 TO 97.5	0.2700E-05	82.5-187.5	0.1968E-05	60	0-105	0.2903E-04	90-195	0.2172E-04
75-82.61	0.2031E-01	-7.5 TO 97.5	0.5849E-06	82.5-187.5	0.3600E-06	75	0-105	0.8686E-05	90-195	0.5938E-05

$r_2/r_1 = 0.10$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0495$ $\cosh \mu_2 = 49.5050$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.70$

0-15.00	0.3641E-03	-7.5 TO 7.5	0.3445E-06	82.5- 97.5	0.3432E-06	0	0- 15	0.3521E-06	90-105	0.3521E-06
15-30.00	0.1068E-02	-7.5 TO 7.5	0.3120E-06	82.5- 97.5	0.3092E-06	15	0- 15	0.3363E-06	90-105	0.3341E-06
30-45.00	0.1698E-02	-7.5 TO 7.5	0.2516E-06	82.5- 97.5	0.2481E-06	30	0- 15	0.2879E-06	90-105	0.2843E-06
45-60.00	0.2213E-02	-7.5 TO 7.5	0.1738E-06	82.5- 97.5	0.1707E-06	45	0- 15	0.2163E-06	90-105	0.2124E-06
60-75.00	0.2577E-02	-7.5 TO 7.5	0.9002E-07	82.5- 97.5	0.8797E-07	60	0- 15	0.1331E-06	90-105	0.1301E-06
75-84.84	0.1804E-02	-7.5 TO 7.5	0.2296E-07	82.5- 97.5	0.2209E-07	75	0- 15	0.4905E-07	90-105	0.4749E-07
0-15.00	0.7283E-03	-7.5 TO 22.5	0.3445E-06	82.5-112.5	0.3430E-06	0	0- 30	0.7042E-06	90-120	0.7042E-06
15-30.00	0.2135E-02	-7.5 TO 22.5	0.3119E-06	82.5-112.5	0.3089E-06	15	0- 30	0.6724E-06	90-120	0.6677E-06
30-45.00	0.3397E-02	-7.5 TO 22.5	0.2515E-06	82.5-112.5	0.2477E-06	30	0- 30	0.5757E-06	90-120	0.5679E-06
45-60.00	0.4427E-02	-7.5 TO 22.5	0.1737E-06	82.5-112.5	0.1703E-06	45	0- 30	0.4326E-06	90-120	0.4240E-06
60-75.00	0.5155E-02	-7.5 TO 22.5	0.8999E-07	82.5-112.5	0.8770E-07	60	0- 30	0.2660E-06	90-120	0.2595E-06
75-84.84	0.3608E-02	-7.5 TO 22.5	0.2294E-07	82.5-112.5	0.2197E-07	75	0- 30	0.9800E-07	90-120	0.9463E-07
0-15.00	0.1092E-02	-7.5 TO 37.5	0.3444E-06	82.5-127.5	0.3428E-06	0	0- 45	0.1056E-05	90-135	0.1056E-05
15-30.00	0.3203E-02	-7.5 TO 37.5	0.3118E-06	82.5-127.5	0.3086E-06	15	0- 45	0.1008E-05	90-135	0.1001E-05
30-45.00	0.5095E-02	-7.5 TO 37.5	0.2514E-06	82.5-127.5	0.2473E-06	30	0- 45	0.8630E-06	90-135	0.8507E-06
45-60.00	0.6640E-02	-7.5 TO 37.5	0.1736E-06	82.5-127.5	0.1699E-06	45	0- 45	0.6480E-06	90-135	0.6348E-06
60-75.00	0.7732E-02	-7.5 TO 37.5	0.8991E-07	82.5-127.5	0.8745E-07	60	0- 45	0.3986E-06	90-135	0.3883E-06
75-84.84	0.5412E-02	-7.5 TO 37.5	0.2291E-07	82.5-127.5	0.2187E-07	75	0- 45	0.1468E-06	90-135	0.1415E-06
0-15.00	0.1457E-02	-7.5 TO 52.5	0.3444E-06	82.5-142.5	0.3427E-06	0	0- 60	0.1408E-05	90-150	0.1408E-05
15-30.00	0.4270E-02	-7.5 TO 52.5	0.3116E-06	82.5-142.5	0.3082E-06	15	0- 60	0.1344E-05	90-150	0.1334E-05
30-45.00	0.6793E-02	-7.5 TO 52.5	0.2512E-06	82.5-142.5	0.2469E-06	30	0- 60	0.1150E-05	90-150	0.1133E-05
45-60.00	0.8853E-02	-7.5 TO 52.5	0.1734E-06	82.5-142.5	0.1696E-06	45	0- 60	0.8630E-06	90-150	0.8450E-06
60-75.00	0.1031E-01	-7.5 TO 52.5	0.8978E-07	82.5-142.5	0.8722E-07	60	0- 60	0.5306E-06	90-150	0.5166E-06
75-84.84	0.7217E-02	-7.5 TO 52.5	0.2286E-07	82.5-142.5	0.2177E-07	75	0- 60	0.1953E-06	90-150	0.1880E-06
0-15.00	0.1821E-02	-7.5 TO 67.5	0.3443E-06	82.5-157.5	0.3426E-06	0	0- 75	0.1760E-05	90-165	0.1760E-05
15-30.00	0.5338E-02	-7.5 TO 67.5	0.3114E-06	82.5-157.5	0.3080E-06	15	0- 75	0.1679E-05	90-165	0.1666E-05
30-45.00	0.8492E-02	-7.5 TO 67.5	0.2509E-06	82.5-157.5	0.2466E-06	30	0- 75	0.1436E-05	90-165	0.1415E-05
45-60.00	0.1107E-01	-7.5 TO 67.5	0.1732E-06	82.5-157.5	0.1692E-06	45	0- 75	0.1077E-05	90-165	0.1055E-05
60-75.00	0.1289E-01	-7.5 TO 67.5	0.8962E-07	82.5-157.5	0.8702E-07	60	0- 75	0.6621E-06	90-165	0.6445E-06
75-84.84	0.9021E-02	-7.5 TO 67.5	0.2279E-07	82.5-157.5	0.2168E-07	75	0- 75	0.2435E-06	90-165	0.2344E-06
0-15.00	0.2185E-02	-7.5 TO 82.5	0.3441E-06	82.5-172.5	0.3424E-06	0	0- 90	0.2113E-05	90-180	0.2113E-05
15-30.00	0.6406E-02	-7.5 TO 82.5	0.3112E-06	82.5-172.5	0.3077E-06	15	0- 90	0.2013E-05	90-180	0.1999E-05
30-45.00	0.1019E-01	-7.5 TO 82.5	0.2506E-06	82.5-172.5	0.2463E-06	30	0- 90	0.1721E-05	90-180	0.1696E-05
45-60.00	0.1328E-01	-7.5 TO 82.5	0.1729E-06	82.5-172.5	0.1690E-06	45	0- 90	0.1291E-05	90-180	0.1264E-05
60-75.00	0.1546E-01	-7.5 TO 82.5	0.8944E-07	82.5-172.5	0.8685E-07	60	0- 90	0.7929E-06	90-180	0.7723E-06
75-84.84	0.1082E-01	-7.5 TO 82.5	0.2271E-07	82.5-172.5	0.2161E-07	75	0- 90	0.2913E-06	90-180	0.2808E-06
0-15.00	0.2549E-02	-7.5 TO 97.5	0.3440E-06	82.5-187.5	0.3424E-06	0	0-105	0.2465E-05	90-195	0.2465E-05
15-30.00	0.7473E-02	-7.5 TO 97.5	0.3109E-06	82.5-187.5	0.3076E-06	15	0-105	0.2348E-05	90-195	0.2331E-05
30-45.00	0.1189E-01	-7.5 TO 97.5	0.2502E-06	82.5-187.5	0.2461E-06	30	0-105	0.2005E-05	90-195	0.1978E-05
45-60.00	0.1549E-01	-7.5 TO 97.5	0.1726E-06	82.5-187.5	0.1688E-06	45	0-105	0.1503E-05	90-195	0.1474E-05
60-75.00	0.1804E-01	-7.5 TO 97.5	0.8923E-07	82.5-187.5	0.8672E-07	60	0-105	0.9229E-06	90-195	0.9000E-06
75-84.84	0.1263E-01	-7.5 TO 97.5	0.2262E-07	82.5-187.5	0.2156E-07	75	0-105	0.3388E-06	90-195	0.3271E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

$r_2/r_1 = 0.10$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0495$ $\cosh \mu_2 = 49.5050$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 149.42$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3641E-03	-7.5 TO 7.5	0.1288E-05	82.5- 97.5	0.1278E-05	0	0- 15	0.1311E-05	90-105	0.1311E-05
15-30.00	0.1068E-02	-7.5 TO 7.5	0.1172E-05	82.5- 97.5	0.1152E-05	15	0- 15	0.1260E-05	90-105	0.1243E-05
30-45.00	0.1698E-02	-7.5 TO 7.5	0.9500E-06	82.5- 97.5	0.9241E-06	30	0- 15	0.1085E-05	90-105	0.1057E-05
45-60.00	0.2213E-02	-7.5 TO 7.5	0.6594E-06	82.5- 97.5	0.6357E-06	45	0- 15	0.8188E-06	90-105	0.7894E-06
60-75.00	0.2577E-02	-7.5 TO 7.5	0.3432E-06	82.5- 97.5	0.3277E-06	60	0- 15	0.5061E-06	90-105	0.4831E-06
75-84.84	0.1804E-02	-7.5 TO 7.5	0.8885E-07	82.5- 97.5	0.8230E-07	75	0- 15	0.1880E-06	90-105	0.1762E-06
0-15.00	0.7283E-03	-7.5 TO 22.5	0.1288E-05	82.5-112.5	0.1277E-05	0	0- 30	0.2622E-05	90-120	0.2622E-05
15-30.00	0.2135E-02	-7.5 TO 22.5	0.1172E-05	82.5-112.5	0.1149E-05	15	0- 30	0.2518E-05	90-120	0.2482E-05
30-45.00	0.3397E-02	-7.5 TO 22.5	0.9496E-06	82.5-112.5	0.9207E-06	30	0- 30	0.2168E-05	90-120	0.2108E-05
45-60.00	0.4427E-02	-7.5 TO 22.5	0.6589E-06	82.5-112.5	0.6326E-06	45	0- 30	0.1636E-05	90-120	0.1572E-05
60-75.00	0.5155E-02	-7.5 TO 22.5	0.3430E-06	82.5-112.5	0.3257E-06	60	0- 30	0.1011E-05	90-120	0.9611E-06
75-84.84	0.3608E-02	-7.5 TO 22.5	0.8873E-07	82.5-112.5	0.8148E-07	75	0- 30	0.3752E-06	90-120	0.3499E-06
0-15.00	0.1092E-02	-7.5 TO 37.5	0.1287E-05	82.5-127.5	0.1275E-05	0	0- 45	0.3933E-05	90-135	0.3933E-05
15-30.00	0.3203E-02	-7.5 TO 37.5	0.1171E-05	82.5-127.5	0.1146E-05	15	0- 45	0.3775E-05	90-135	0.3718E-05
30-45.00	0.5095E-02	-7.5 TO 37.5	0.9486E-06	82.5-127.5	0.9176E-06	30	0- 45	0.3247E-05	90-135	0.3154E-05
45-60.00	0.6640E-02	-7.5 TO 37.5	0.6580E-06	82.5-127.5	0.6298E-06	45	0- 45	0.2449E-05	90-135	0.2349E-05
60-75.00	0.7732E-02	-7.5 TO 37.5	0.3423E-06	82.5-127.5	0.3238E-06	60	0- 45	0.1513E-05	90-135	0.1435E-05
75-84.84	0.5412E-02	-7.5 TO 37.5	0.8847E-07	82.5-127.5	0.8070E-07	75	0- 45	0.5611E-06	90-135	0.5213E-06
0-15.00	0.1457E-02	-7.5 TO 52.5	0.1287E-05	82.5-142.5	0.1274E-05	0	0- 60	0.5244E-05	90-150	0.5244E-05
15-30.00	0.4270E-02	-7.5 TO 52.5	0.1170E-05	82.5-142.5	0.1144E-05	15	0- 60	0.5029E-05	90-150	0.4951E-05
30-45.00	0.6793E-02	-7.5 TO 52.5	0.9470E-06	82.5-142.5	0.9146E-06	30	0- 60	0.4323E-05	90-150	0.4195E-05
45-60.00	0.8853E-02	-7.5 TO 52.5	0.6566E-06	82.5-142.5	0.6271E-06	45	0- 60	0.3258E-05	90-150	0.3122E-05
60-75.00	0.1031E-01	-7.5 TO 52.5	0.3414E-06	82.5-142.5	0.3220E-06	60	0- 60	0.2011E-05	90-150	0.1904E-05
75-84.84	0.7217E-02	-7.5 TO 52.5	0.8808E-07	82.5-142.5	0.7999E-07	75	0- 60	0.7450E-06	90-150	0.6908E-06
0-15.00	0.1821E-02	-7.5 TO 67.5	0.1286E-05	82.5-157.5	0.1273E-05	0	0- 75	0.6555E-05	90-165	0.6555E-05
15-30.00	0.5338E-02	-7.5 TO 67.5	0.1168E-05	82.5-157.5	0.1142E-05	15	0- 75	0.6280E-05	90-165	0.6183E-05
30-45.00	0.8492E-02	-7.5 TO 67.5	0.9450E-06	82.5-157.5	0.9121E-06	30	0- 75	0.5392E-05	90-165	0.5233E-05
45-60.00	0.1107E-01	-7.5 TO 67.5	0.6548E-06	82.5-157.5	0.6248E-06	45	0- 75	0.4061E-05	90-165	0.3891E-05
60-75.00	0.1289E-01	-7.5 TO 67.5	0.3402E-06	82.5-157.5	0.3205E-06	60	0- 75	0.2505E-05	90-165	0.2371E-05
75-84.84	0.9021E-02	-7.5 TO 67.5	0.8757E-07	82.5-157.5	0.7936E-07	75	0- 75	0.9266E-06	90-165	0.8590E-06
0-15.00	0.2185E-02	-7.5 TO 82.5	0.1285E-05	82.5-172.5	0.1272E-05	0	0- 90	0.7866E-05	90-180	0.7866E-05
15-30.00	0.6406E-02	-7.5 TO 82.5	0.1166E-05	82.5-172.5	0.1140E-05	15	0- 90	0.7526E-05	90-180	0.7413E-05
30-45.00	0.1019E-01	-7.5 TO 82.5	0.9427E-06	82.5-172.5	0.9099E-06	30	0- 90	0.6456E-05	90-180	0.6269E-05
45-60.00	0.1328E-01	-7.5 TO 82.5	0.6526E-06	82.5-172.5	0.6228E-06	45	0- 90	0.4857E-05	90-180	0.4658E-05
60-75.00	0.1546E-01	-7.5 TO 82.5	0.3388E-06	82.5-172.5	0.3193E-06	60	0- 90	0.2993E-05	90-180	0.2837E-05
75-84.84	0.1082E-01	-7.5 TO 82.5	0.8697E-07	82.5-172.5	0.7884E-07	75	0- 90	0.1106E-05	90-180	0.1026E-05
0-15.00	0.2549E-02	-7.5 TO 97.5	0.1284E-05	82.5-187.5	0.1272E-05	0	0-105	0.9178E-05	90-195	0.9178E-05
15-30.00	0.7473E-02	-7.5 TO 97.5	0.1164E-05	82.5-187.5	0.1139E-05	15	0-105	0.8769E-05	90-195	0.8643E-05
30-45.00	0.1189E-01	-7.5 TO 97.5	0.9406E-06	82.5-187.5	0.9083E-06	30	0-105	0.7513E-05	90-195	0.7305E-05
45-60.00	0.1549E-01	-7.5 TO 97.5	0.6502E-06	82.5-187.5	0.6213E-06	45	0-105	0.5646E-05	90-195	0.5425E-05
60-75.00	0.1804E-01	-7.5 TO 97.5	0.3372E-06	82.5-187.5	0.3183E-06	60	0-105	0.3476E-05	90-195	0.3303E-05
75-84.84	0.1263E-01	-7.5 TO 97.5	0.8631E-07	82.5-187.5	0.7845E-07	75	0-105	0.1282E-05	90-195	0.1194E-05

$r_2/r_1 = 0.10$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0495$ $\cosh \mu_2 = 49.5050$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 134.18$

0-15.00	0.3641E-03	-7.5 TO 7.5	0.2578E-05	82.5- 97.5	0.2547E-05	0	0- 15	0.2613E-05	90-105	0.2613E-05
15-30.00	0.1068E-02	-7.5 TO 7.5	0.2359E-05	82.5- 97.5	0.2295E-05	15	0- 15	0.2527E-05	90-105	0.2475E-05
30-45.00	0.1698E-02	-7.5 TO 7.5	0.1922E-05	82.5- 97.5	0.1842E-05	30	0- 15	0.2189E-05	90-105	0.2103E-05
45-60.00	0.2213E-02	-7.5 TO 7.5	0.1340E-05	82.5- 97.5	0.1267E-05	45	0- 15	0.1661E-05	90-105	0.1570E-05
60-75.00	0.2577E-02	-7.5 TO 7.5	0.7011E-06	82.5- 97.5	0.6533E-06	60	0- 15	0.1031E-05	90-105	0.9602E-06
75-84.84	0.1804E-02	-7.5 TO 7.5	0.1839E-06	82.5- 97.5	0.1642E-06	75	0- 15	0.3858E-06	90-105	0.3501E-06
0-15.00	0.7283E-03	-7.5 TO 22.5	0.2577E-05	82.5-112.5	0.2543E-05	0	0- 30	0.5225E-05	90-120	0.5225E-05
15-30.00	0.2135E-02	-7.5 TO 22.5	0.2358E-05	82.5-112.5	0.2287E-05	15	0- 30	0.5050E-05	90-120	0.4938E-05
30-45.00	0.3397E-02	-7.5 TO 22.5	0.1921E-05	82.5-112.5	0.1831E-05	30	0- 30	0.4372E-05	90-120	0.4188E-05
45-60.00	0.4427E-02	-7.5 TO 22.5	0.1339E-05	82.5-112.5	0.1258E-05	45	0- 30	0.3316E-05	90-120	0.3119E-05
60-75.00	0.5155E-02	-7.5 TO 22.5	0.7003E-06	82.5-112.5	0.6472E-06	60	0- 30	0.2058E-05	90-120	0.1905E-05
75-84.84	0.3608E-02	-7.5 TO 22.5	0.1835E-06	82.5-112.5	0.1618E-06	75	0- 30	0.7693E-06	90-120	0.6925E-06
0-15.00	0.1092E-02	-7.5 TO 37.5	0.2576E-05	82.5-127.5	0.2539E-05	0	0- 45	0.7838E-05	90-135	0.7838E-05
15-30.00	0.3203E-02	-7.5 TO 37.5	0.2356E-05	82.5-127.5	0.2279E-05	15	0- 45	0.7568E-05	90-135	0.7392E-05
30-45.00	0.5095E-02	-7.5 TO 37.5	0.1918E-05	82.5-127.5	0.1822E-05	30	0- 45	0.6545E-05	90-135	0.6255E-05
45-60.00	0.6640E-02	-7.5 TO 37.5	0.1336E-05	82.5-127.5	0.1249E-05	45	0- 45	0.4960E-05	90-135	0.4651E-05
60-75.00	0.7732E-02	-7.5 TO 37.5	0.6984E-06	82.5-127.5	0.6415E-06	60	0- 45	0.3076E-05	90-135	0.2835E-05
75-84.84	0.5412E-02	-7.5 TO 37.5	0.1827E-06	82.5-127.5	0.1595E-06	75	0- 45	0.1149E-05	90-135	0.1028E-05
0-15.00	0.1457E-02	-7.5 TO 52.5	0.2574E-05	82.5-142.5	0.2535E-05	0	0- 60	0.1045E-04	90-150	0.1045E-04
15-30.00	0.4270E-02	-7.5 TO 52.5	0.2352E-05	82.5-142.5	0.2272E-05	15	0- 60	0.1008E-04	90-150	0.9836E-05
30-45.00	0.6793E-02	-7.5 TO 52.5	0.1913E-05	82.5-142.5	0.1813E-05	30	0- 60	0.8705E-05	90-150	0.8309E-05
45-60.00	0.8853E-02	-7.5 TO 52.5	0.1332E-05	82.5-142.5	0.1241E-05	45	0- 60	0.6590E-05	90-150	0.6168E-05
60-75.00	0.1031E-01	-7.5 TO 52.5	0.6955E-06	82.5-142.5	0.6362E-06	60	0- 60	0.4083E-05	90-150	0.3755E-05
75-84.84	0.7217E-02	-7.5 TO 52.5	0.1815E-06	82.5-142.5	0.1574E-06	75	0- 60	0.1522E-05	90-150	0.1358E-05
0-15.00	0.1821E-02	-7.5 TO 67.5	0.2572E-05	82.5-157.5	0.2532E-05	0	0- 75	0.1306E-04	90-165	0.1306E-04
15-30.00	0.5338E-02	-7.5 TO 67.5	0.2347E-05	82.5-157.5	0.2265E-05	15	0- 75	0.1258E-04	90-165	0.1227E-04
30-45.00	0.8492E-02	-7.5 TO 67.5	0.1907E-05	82.5-157.5	0.1805E-05	30	0- 75	0.1085E-04	90-165	0.1035E-04
45-60.00	0.1107E-01	-7.5 TO 67.5	0.1326E-05	82.5-157.5	0.1234E-05	45	0- 75	0.8201E-05	90-165	0.7674E-05
60-75.00	0.1289E-01	-7.5 TO 67.5	0.6918E-06	82.5-157.5	0.6316E-06	60	0- 75	0.5075E-05	90-165	0.4666E-05
75-84.84	0.9021E-02	-7.5 TO 67.5	0.1800E-06	82.5-157.5	0.1556E-06	75	0- 75	0.1888E-05	90-165	0.1684E-05
0-15.00	0.2185E-02	-7.5 TO 82.5	0.2569E-05	82.5-172.5	0.2529E-05	0	0- 90	0.1568E-04	90-180	0.1568E-04
15-30.00	0.6406E-02	-7.5 TO 82.5	0.2341E-05	82.5-172.5	0.2260E-05	15	0- 90	0.1506E-04	90-180	0.1471E-04
30-45.00	0.1019E-01	-7.5 TO 82.5	0.1899E-05	82.5-172.5	0.1798E-05	30	0- 90	0.1297E-04	90-180	0.1239E-04
45-60.00	0.1328E-01	-7.5 TO 82.5	0.1320E-05	82.5-172.5	0.1228E-05	45	0- 90	0.9792E-05	90-180	0.9175E-05
60-75.00	0.1546E-01	-7.5 TO 82.5	0.6874E-06	82.5-172.5	0.6277E-06	60	0- 90	0.6052E-05	90-180	0.5573E-05
75-84.84	0.1082E-01	-7.5 TO 82.5	0.1782E-06	82.5-172.5	0.1540E-06	75	0- 90	0.2247E-05	90-180	0.2008E-05
0-15.00	0.2549E-02	-7.5 TO 97.5	0.2566E-05	82.5-187.5	0.2527E-05	0	0-105	0.1829E-04	90-195	0.1829E-04
15-30.00	0.7473E-02	-7.5 TO 97.5	0.2334E-05	82.5-187.5	0.2256E-05	15	0-105	0.1754E-04	90-195	0.1715E-04
30-45.00	0.1189E-01	-7.5 TO 97.5	0.1891E-05	82.5-187.5	0.1793E-05	30	0-105	0.1507E-04	90-195	0.1443E-04
45-60.00	0.1549E-01	-7.5 TO 97.5	0.1312E-05	82.5-187.5	0.1223E-05	45	0-105	0.1136E-04	90-195	0.1068E-04
60-75.00	0.1804E-01	-7.5 TO 97.5	0.6826E-06	82.5-187.5	0.6248E-06	60	0-105	0.7012E-05	90-195	0.6480E-05
75-84.84	0.1263E-01	-7.5 TO 97.5	0.1762E-06	82.5-187.5	0.1529E-06	75	0-105	0.2597E-05	90-195	0.2332E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

r_2/r_1 = 0.10 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0495 $\cosh \mu_2$ = 49.5050 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 118.99

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3641E-03	-7.5 TO 7.5	0.3868E-05	82.5- 97.5	0.3802E-05	0	0- 15	0.3901E-05	90-105	0.3901E-05
15-30.00	0.1068E-02	-7.5 TO 7.5	0.3562E-05	82.5- 97.5	0.3427E-05	15	0- 15	0.3801E-05	90-105	0.3692E-05
30-45.00	0.1698E-02	-7.5 TO 7.5	0.2920E-05	82.5- 97.5	0.2750E-05	30	0- 15	0.3314E-05	90-105	0.3135E-05
45-60.00	0.2213E-02	-7.5 TO 7.5	0.2046E-05	82.5- 97.5	0.1893E-05	45	0- 15	0.2529E-05	90-105	0.2338E-05
60-75.00	0.2577E-02	-7.5 TO 7.5	0.1075E-05	82.5- 97.5	0.9760E-06	60	0- 15	0.1578E-05	90-105	0.1429E-05
75-84.84	0.1804E-02	-7.5 TO 7.5	0.2850E-06	82.5- 97.5	0.2455E-06	75	0- 15	0.5940E-06	90-105	0.5210E-06
0-15.00	0.7283E-03	-7.5 TO 22.5	0.3867E-05	82.5-112.5	0.3794E-05	0	0- 30	0.7802E-05	90-120	0.7802E-05
15-30.00	0.2135E-02	-7.5 TO 22.5	0.3560E-05	82.5-112.5	0.3409E-05	15	0- 30	0.7595E-05	90-120	0.7359E-05
30-45.00	0.3397E-02	-7.5 TO 22.5	0.2917E-05	82.5-112.5	0.2729E-05	30	0- 30	0.6618E-05	90-120	0.6230E-05
45-60.00	0.4427E-02	-7.5 TO 22.5	0.2043E-05	82.5-112.5	0.1873E-05	45	0- 30	0.5046E-05	90-120	0.4634E-05
60-75.00	0.5155E-02	-7.5 TO 22.5	0.1074E-05	82.5-112.5	0.9634E-06	60	0- 30	0.3146E-05	90-120	0.2826E-05
75-84.84	0.3608E-02	-7.5 TO 22.5	0.2843E-06	82.5-112.5	0.2407E-06	75	0- 30	0.1183E-05	90-120	0.1026E-05
0-15.00	0.1092E-02	-7.5 TO 37.5	0.3865E-05	82.5-127.5	0.3785E-05	0	0- 45	0.1170E-04	90-135	0.1170E-04
15-30.00	0.3203E-02	-7.5 TO 37.5	0.3554E-05	82.5-127.5	0.3393E-05	15	0- 45	0.1138E-04	90-135	0.1100E-04
30-45.00	0.5095E-02	-7.5 TO 37.5	0.2910E-05	82.5-127.5	0.2708E-05	30	0- 45	0.9900E-05	90-135	0.9289E-05
45-60.00	0.6640E-02	-7.5 TO 37.5	0.2037E-05	82.5-127.5	0.1854E-05	45	0- 45	0.7541E-05	90-135	0.6891E-05
60-75.00	0.7732E-02	-7.5 TO 37.5	0.1070E-05	82.5-127.5	0.9516E-06	60	0- 45	0.4697E-05	90-135	0.4194E-05
75-84.84	0.5412E-02	-7.5 TO 37.5	0.2827E-06	82.5-127.5	0.2362E-06	75	0- 45	0.1764E-05	90-135	0.1518E-05
0-15.00	0.1457E-02	-7.5 TO 52.5	0.3861E-05	82.5-142.5	0.3778E-05	0	0- 60	0.1560E-04	90-150	0.1560E-04
15-30.00	0.4270E-02	-7.5 TO 52.5	0.3546E-05	82.5-142.5	0.3377E-05	15	0- 60	0.1514E-04	90-150	0.1463E-04
30-45.00	0.6793E-02	-7.5 TO 52.5	0.2900E-05	82.5-142.5	0.2689E-05	30	0- 60	0.1315E-04	90-150	0.1232E-04
45-60.00	0.8853E-02	-7.5 TO 52.5	0.2028E-05	82.5-142.5	0.1837E-05	45	0- 60	0.1000E-04	90-150	0.9118E-05
60-75.00	0.1031E-01	-7.5 TO 52.5	0.1064E-05	82.5-142.5	0.9407E-06	60	0- 60	0.6224E-05	90-150	0.5538E-05
75-84.84	0.7217E-02	-7.5 TO 52.5	0.2803E-06	82.5-142.5	0.2321E-06	75	0- 60	0.2333E-05	90-150	0.1998E-05
0-15.00	0.1821E-02	-7.5 TO 67.5	0.3856E-05	82.5-157.5	0.3771E-05	0	0- 75	0.1950E-04	90-165	0.1950E-04
15-30.00	0.5338E-02	-7.5 TO 67.5	0.3536E-05	82.5-157.5	0.3364E-05	15	0- 75	0.1888E-04	90-165	0.1825E-04
30-45.00	0.8492E-02	-7.5 TO 67.5	0.2887E-05	82.5-157.5	0.2672E-05	30	0- 75	0.1637E-04	90-165	0.1533E-04
45-60.00	0.1107E-01	-7.5 TO 67.5	0.2016E-05	82.5-157.5	0.1822E-05	45	0- 75	0.1243E-04	90-165	0.1132E-04
60-75.00	0.1289E-01	-7.5 TO 67.5	0.1056E-05	82.5-157.5	0.9312E-06	60	0- 75	0.7720E-05	90-165	0.6866E-05
75-84.84	0.9021E-02	-7.5 TO 67.5	0.2772E-06	82.5-157.5	0.2285E-06	75	0- 75	0.2886E-05	90-165	0.2470E-05
0-15.00	0.2185E-02	-7.5 TO 82.5	0.3850E-05	82.5-172.5	0.3766E-05	0	0- 90	0.2341E-04	90-180	0.2341E-04
15-30.00	0.6406E-02	-7.5 TO 82.5	0.3524E-05	82.5-172.5	0.3353E-05	15	0- 90	0.2260E-04	90-180	0.2186E-04
30-45.00	0.1019E-01	-7.5 TO 82.5	0.2872E-05	82.5-172.5	0.2658E-05	30	0- 90	0.1955E-04	90-180	0.1833E-04
45-60.00	0.1328E-01	-7.5 TO 82.5	0.2002E-05	82.5-172.5	0.1810E-05	45	0- 90	0.1481E-04	90-180	0.1352E-04
60-75.00	0.1546E-01	-7.5 TO 82.5	0.1047E-05	82.5-172.5	0.9233E-06	60	0- 90	0.9184E-05	90-180	0.8185E-05
75-84.84	0.1082E-01	-7.5 TO 82.5	0.2736E-06	82.5-172.5	0.2255E-06	75	0- 90	0.3424E-05	90-180	0.2939E-05
0-15.00	0.2549E-02	-7.5 TO 97.5	0.3843E-05	82.5-187.5	0.3762E-05	0	0-105	0.2731E-04	90-195	0.2731E-04
15-30.00	0.7473E-02	-7.5 TO 97.5	0.3510E-05	82.5-187.5	0.3344E-05	15	0-105	0.2629E-04	90-195	0.2546E-04
30-45.00	0.1189E-01	-7.5 TO 97.5	0.2854E-05	82.5-187.5	0.2648E-05	30	0-105	0.2268E-04	90-195	0.2133E-04
45-60.00	0.1549E-01	-7.5 TO 97.5	0.1987E-05	82.5-187.5	0.1800E-05	45	0-105	0.1715E-04	90-195	0.1571E-04
60-75.00	0.1804E-01	-7.5 TO 97.5	0.1037E-05	82.5-187.5	0.9172E-06	60	0-105	0.1061E-04	90-195	0.9504E-05
75-84.84	0.1263E-01	-7.5 TO 97.5	0.2696E-06	82.5-187.5	0.2232E-06	75	0-105	0.3945E-05	90-195	0.3407E-05

r_2/r_1 = 0.10 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0495 $\cosh \mu_2$ = 49.5050 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 103.88

0-15.00	0.3641E-03	-7.5 TO 7.5	0.4816E-05	82.5- 97.5	0.4705E-05	0	0- 15	0.4827E-05	90-105	0.4827E-05
15-30.00	0.1068E-02	-7.5 TO 7.5	0.4469E-05	82.5- 97.5	0.4240E-05	15	0- 15	0.4746E-05	90-105	0.4562E-05
30-45.00	0.1698E-02	-7.5 TO 7.5	0.3689E-05	82.5- 97.5	0.3404E-05	30	0- 15	0.4172E-05	90-105	0.3870E-05
45-60.00	0.2213E-02	-7.5 TO 7.5	0.2599E-05	82.5- 97.5	0.2342E-05	45	0- 15	0.3204E-05	90-105	0.2884E-05
60-75.00	0.2577E-02	-7.5 TO 7.5	0.1372E-05	82.5- 97.5	0.1208E-05	60	0- 15	0.2009E-05	90-105	0.1762E-05
75-84.84	0.1804E-02	-7.5 TO 7.5	0.3665E-06	82.5- 97.5	0.3042E-06	75	0- 15	0.7604E-06	90-105	0.6422E-06
0-15.00	0.7283E-03	-7.5 TO 22.5	0.4814E-05	82.5-112.5	0.4690E-05	0	0- 30	0.9653E-05	90-120	0.9653E-05
15-30.00	0.2135E-02	-7.5 TO 22.5	0.4464E-05	82.5-112.5	0.4211E-05	15	0- 30	0.9480E-05	90-120	0.9083E-05
30-45.00	0.3397E-02	-7.5 TO 22.5	0.3684E-05	82.5-112.5	0.3367E-05	30	0- 30	0.8325E-05	90-120	0.7673E-05
45-60.00	0.4427E-02	-7.5 TO 22.5	0.2595E-05	82.5-112.5	0.2310E-05	45	0- 30	0.6389E-05	90-120	0.5697E-05
60-75.00	0.5155E-02	-7.5 TO 22.5	0.1369E-05	82.5-112.5	0.1188E-05	60	0- 30	0.4003E-05	90-120	0.3471E-05
75-84.84	0.3608E-02	-7.5 TO 22.5	0.3654E-06	82.5-112.5	0.2967E-06	75	0- 30	0.1513E-05	90-120	0.1259E-05
0-15.00	0.1092E-02	-7.5 TO 37.5	0.4810E-05	82.5-127.5	0.4676E-05	0	0- 45	0.1448E-04	90-135	0.1448E-04
15-30.00	0.3203E-02	-7.5 TO 37.5	0.4455E-05	82.5-127.5	0.4183E-05	15	0- 45	0.1419E-04	90-135	0.1357E-04
30-45.00	0.5095E-02	-7.5 TO 37.5	0.3672E-05	82.5-127.5	0.3332E-05	30	0- 45	0.1244E-04	90-135	0.1142E-04
45-60.00	0.6640E-02	-7.5 TO 37.5	0.2585E-05	82.5-127.5	0.2279E-05	45	0- 45	0.9536E-05	90-135	0.8447E-05
60-75.00	0.7732E-02	-7.5 TO 37.5	0.1363E-05	82.5-127.5	0.1168E-05	60	0- 45	0.5968E-05	90-135	0.5131E-05
75-84.84	0.5412E-02	-7.5 TO 37.5	0.3629E-06	82.5-127.5	0.2897E-06	75	0- 45	0.2252E-05	90-135	0.1854E-05
0-15.00	0.1457E-02	-7.5 TO 52.5	0.4803E-05	82.5-142.5	0.4664E-05	0	0- 60	0.1931E-04	90-150	0.1931E-04
15-30.00	0.4270E-02	-7.5 TO 52.5	0.4442E-05	82.5-142.5	0.4157E-05	15	0- 60	0.1888E-04	90-150	0.1802E-04
30-45.00	0.6793E-02	-7.5 TO 52.5	0.3656E-05	82.5-142.5	0.3301E-05	30	0- 60	0.1651E-04	90-150	0.1511E-04
45-60.00	0.8853E-02	-7.5 TO 52.5	0.2570E-05	82.5-142.5	0.2250E-05	45	0- 60	0.1263E-04	90-150	0.1114E-04
60-75.00	0.1031E-01	-7.5 TO 52.5	0.1353E-05	82.5-142.5	0.1150E-05	60	0- 60	0.7891E-05	90-150	0.6752E-05
75-84.84	0.7217E-02	-7.5 TO 52.5	0.3590E-06	82.5-142.5	0.2834E-06	75	0- 60	0.2971E-05	90-150	0.2431E-05
0-15.00	0.1821E-02	-7.5 TO 67.5	0.4795E-05	82.5-157.5	0.4653E-05	0	0- 75	0.2413E-04	90-165	0.2413E-04
15-30.00	0.5338E-02	-7.5 TO 67.5	0.4424E-05	82.5-157.5	0.4135E-05	15	0- 75	0.2352E-04	90-165	0.2246E-04
30-45.00	0.8492E-02	-7.5 TO 67.5	0.3634E-05	82.5-157.5	0.3273E-05	30	0- 75	0.2052E-04	90-165	0.1877E-04
45-60.00	0.1107E-01	-7.5 TO 67.5	0.2550E-05	82.5-157.5	0.2225E-05	45	0- 75	0.1566E-04	90-165	0.1381E-04
60-75.00	0.1289E-01	-7.5 TO 67.5	0.1340E-05	82.5-157.5	0.1139E-05	60	0- 75	0.9765E-05	90-165	0.8346E-05
75-84.84	0.9021E-02	-7.5 TO 67.5	0.3541E-06	82.5-157.5	0.2778E-06	75	0- 75	0.3666E-05	90-165	0.2995E-05
0-15.00	0.2185E-02	-7.5 TO 82.5	0.4784E-05	82.5-172.5	0.4644E-05	0	0- 90	0.2896E-04	90-180	0.2896E-04
15-30.00	0.6406E-02	-7.5 TO 82.5	0.4403E-05	82.5-172.5	0.4116E-05	15	0- 90	0.2813E-04	90-180	0.2688E-04
30-45.00	0.1019E-01	-7.5 TO 82.5	0.3607E-05	82.5-172.5	0.3249E-05	30	0- 90	0.2446E-04	90-180	0.2241E-04
45-60.00	0.1328E-01	-7.5 TO 82.5	0.2526E-05	82.5-172.5	0.2205E-05	45	0- 90	0.1862E-04	90-180	0.1645E-04
60-75.00	0.1546E-01	-7.5 TO 82.5	0.1325E-05	82.5-172.5	0.1122E-05	60	0- 90	0.1158E-04	90-180	0.9925E-05
75-84.84	0.1082E-01	-7.5 TO 82.5	0.3484E-06	82.5-172.5	0.2733E-06	75	0- 90	0.4335E-05	90-180	0.3553E-05
0-15.00	0.2549E-02	-7.5 TO 97.5	0.4773E-05	82.5-187.5	0.4636E-05	0	0-105	0.3379E-04	90-195	0.3379E-04
15-30.00	0.7473E-02	-7.5 TO 97.5	0.4380E-05	82.5-187.5	0.4101E-05	15	0-105	0.3269E-04	90-195	0.3130E-04
30-45.00	0.1189E-01	-7.5 TO 97.5	0.3578E-05	82.5-187.5	0.3231E-05	30	0-105	0.2833E-04	90-195	0.2605E-04
45-60.00	0.1549E-01	-7.5 TO 97.5	0.2500E-05	82.5-187.5	0.2189E-05	45	0-105	0.2150E-04	90-195	0.1909E-04
60-75.00	0.1804E-01	-7.5 TO 97.5	0.1309E-05	82.5-187.5	0.1112E-05	60	0-105	0.1335E-04	90-195	0.1150E-04
75-84.84	0.1263E-01	-7.5 TO 97.5	0.3421E-06	82.5-187.5	0.2698E-06	75	0-105	0.4977E-05	90-195	0.4112E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

$r_2/r_1 = 0.10$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0495$ $\cosh \mu_2 = 49.5050$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 88.84$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3641E-03	-7.5 TO 7.5	0.5175E-05	82.5- 97.5	0.5014E-05	0	0- 15	0.5144E-05	90-105	0.5144E-05
15-30.00	0.1068E-02	-7.5 TO 7.5	0.4849E-05	82.5- 97.5	0.4519E-05	15	0- 15	0.5119E-05	90-105	0.4855E-05
30-45.00	0.1698E-02	-7.5 TO 7.5	0.4039E-05	82.5- 97.5	0.3628E-05	30	0- 15	0.4548E-05	90-105	0.4113E-05
45-60.00	0.2213E-02	-7.5 TO 7.5	0.2866E-05	82.5- 97.5	0.2497E-05	45	0- 15	0.3522E-05	90-105	0.3062E-05
60-75.00	0.2577E-02	-7.5 TO 7.5	0.1520E-05	82.5- 97.5	0.1289E-05	60	0- 15	0.2221E-05	90-105	0.1870E-05
75-84.84	0.1804E-02	-7.5 TO 7.5	0.4079E-06	82.5- 97.5	0.3246E-06	75	0- 15	0.8442E-06	90-105	0.6811E-06
0-15.00	0.7283E-03	-7.5 TO 22.5	0.5172E-05	82.5-112.5	0.4994E-05	0	0- 30	0.1029E-04	90-120	0.1029E-04
15-30.00	0.2135E-02	-7.5 TO 22.5	0.4843E-05	82.5-112.5	0.4478E-05	15	0- 30	0.1022E-04	90-120	0.9651E-05
30-45.00	0.3397E-02	-7.5 TO 22.5	0.4032E-05	82.5-112.5	0.3577E-05	30	0- 30	0.9069E-05	90-120	0.8131E-05
45-60.00	0.4427E-02	-7.5 TO 22.5	0.2860E-05	82.5-112.5	0.2452E-05	45	0- 30	0.7015E-05	90-120	0.6025E-05
60-75.00	0.5155E-02	-7.5 TO 22.5	0.1516E-05	82.5-112.5	0.1260E-05	60	0- 30	0.4420E-05	90-120	0.3665E-05
75-84.84	0.3608E-02	-7.5 TO 22.5	0.4064E-06	82.5-112.5	0.3149E-06	75	0- 30	0.1678E-05	90-120	0.1329E-05
0-15.00	0.1092E-02	-7.5 TO 37.5	0.5166E-05	82.5-127.5	0.4974E-05	0	0- 45	0.1543E-04	90-135	0.1543E-04
15-30.00	0.3203E-02	-7.5 TO 37.5	0.4830E-05	82.5-127.5	0.4438E-05	15	0- 45	0.1530E-04	90-135	0.1440E-04
30-45.00	0.5095E-02	-7.5 TO 37.5	0.4016E-05	82.5-127.5	0.3528E-05	30	0- 45	0.1354E-04	90-135	0.1207E-04
45-60.00	0.6640E-02	-7.5 TO 37.5	0.2845E-05	82.5-127.5	0.2409E-05	45	0- 45	0.1045E-04	90-135	0.8902E-05
60-75.00	0.7732E-02	-7.5 TO 37.5	0.1507E-05	82.5-127.5	0.1234E-05	60	0- 45	0.6578E-05	90-135	0.5396E-05
75-84.84	0.5412E-02	-7.5 TO 37.5	0.4029E-06	82.5-127.5	0.3059E-06	75	0- 45	0.2492E-05	90-135	0.1948E-05
0-15.00	0.1457E-02	-7.5 TO 52.5	0.5156E-05	82.5-142.5	0.4956E-05	0	0- 60	0.2058E-04	90-150	0.2058E-04
15-30.00	0.4270E-02	-7.5 TO 52.5	0.4811E-05	82.5-142.5	0.4403E-05	15	0- 60	0.2032E-04	90-150	0.1910E-04
30-45.00	0.6793E-02	-7.5 TO 52.5	0.3991E-05	82.5-142.5	0.3485E-05	30	0- 60	0.1794E-04	90-150	0.1594E-04
45-60.00	0.8853E-02	-7.5 TO 52.5	0.2823E-05	82.5-142.5	0.2370E-05	45	0- 60	0.1382E-04	90-150	0.1171E-04
60-75.00	0.1031E-01	-7.5 TO 52.5	0.1493E-05	82.5-142.5	0.1210E-05	60	0- 60	0.8677E-05	90-150	0.7077E-05
75-84.84	0.7217E-02	-7.5 TO 52.5	0.3978E-06	82.5-142.5	0.2979E-06	75	0- 60	0.3279E-05	90-150	0.2545E-05
0-15.00	0.1821E-02	-7.5 TO 67.5	0.5144E-05	82.5-157.5	0.4941E-05	0	0- 75	0.2572E-04	90-165	0.2572E-04
15-30.00	0.5338E-02	-7.5 TO 67.5	0.4785E-05	82.5-157.5	0.4371E-05	15	0- 75	0.2530E-04	90-165	0.2377E-04
30-45.00	0.8492E-02	-7.5 TO 67.5	0.3959E-05	82.5-157.5	0.3447E-05	30	0- 75	0.2225E-04	90-165	0.1976E-04
45-60.00	0.1107E-01	-7.5 TO 67.5	0.2794E-05	82.5-157.5	0.2337E-05	45	0- 75	0.1709E-04	90-165	0.1447E-04
60-75.00	0.1289E-01	-7.5 TO 67.5	0.1475E-05	82.5-157.5	0.1190E-05	60	0- 75	0.1070E-04	90-165	0.8722E-05
75-84.84	0.9021E-02	-7.5 TO 67.5	0.3912E-06	82.5-157.5	0.2911E-06	75	0- 75	0.4033E-05	90-165	0.3126E-05
0-15.00	0.2185E-02	-7.5 TO 82.5	0.5129E-05	82.5-172.5	0.4928E-05	0	0- 90	0.3086E-04	90-180	0.3086E-04
15-30.00	0.6406E-02	-7.5 TO 82.5	0.4755E-05	82.5-172.5	0.4345E-05	15	0- 90	0.3021E-04	90-180	0.2843E-04
30-45.00	0.1019E-01	-7.5 TO 82.5	0.3922E-05	82.5-172.5	0.3415E-05	30	0- 90	0.2646E-04	90-180	0.2356E-04
45-60.00	0.1328E-01	-7.5 TO 82.5	0.2761E-05	82.5-172.5	0.2309E-05	45	0- 90	0.2025E-04	90-180	0.1721E-04
60-75.00	0.1546E-01	-7.5 TO 82.5	0.1454E-05	82.5-172.5	0.1173E-05	60	0- 90	0.1265E-04	90-180	0.1035E-04
75-84.84	0.1082E-01	-7.5 TO 82.5	0.3835E-06	82.5-172.5	0.2855E-06	75	0- 90	0.4750E-05	90-180	0.3699E-05
0-15.00	0.2549E-02	-7.5 TO 97.5	0.5113E-05	82.5-187.5	0.4918E-05	0	0-105	0.3601E-04	90-195	0.3601E-04
15-30.00	0.7473E-02	-7.5 TO 97.5	0.4721E-05	82.5-187.5	0.4325E-05	15	0-105	0.3507E-04	90-195	0.3309E-04
30-45.00	0.1189E-01	-7.5 TO 97.5	0.3880E-05	82.5-187.5	0.3391E-05	30	0-105	0.3057E-04	90-195	0.2735E-04
45-60.00	0.1549E-01	-7.5 TO 97.5	0.2723E-05	82.5-187.5	0.2288E-05	45	0-105	0.2331E-04	90-195	0.1995E-04
60-75.00	0.1804E-01	-7.5 TO 97.5	0.1430E-05	82.5-187.5	0.1160E-05	60	0-105	0.1452E-04	90-195	0.1198E-04
75-84.84	0.1263E-01	-7.5 TO 97.5	0.3751E-06	82.5-187.5	0.2812E-06	75	0-105	0.5431E-05	90-195	0.4273E-05

$r_2/r_1 = 0.10$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0495$ $\cosh \mu_2 = 49.5050$ $\alpha_{2,max} = 95.16$ $\theta_{2,min} = 83.68$

0-15.00	0.3641E-03	-7.5 TO 7.5	0.5175E-05	82.5- 97.5	0.5014E-05	0	0- 15	0.5144E-05	90-105	0.5144E-05
15-30.00	0.1068E-02	-7.5 TO 7.5	0.4854E-05	82.5- 97.5	0.4519E-05	15	0- 15	0.5121E-05	90-105	0.4855E-05
30-45.00	0.1698E-02	-7.5 TO 7.5	0.4050E-05	82.5- 97.5	0.3628E-05	30	0- 15	0.4555E-05	90-105	0.4113E-05
45-60.00	0.2213E-02	-7.5 TO 7.5	0.2879E-05	82.5- 97.5	0.2497E-05	45	0- 15	0.3535E-05	90-105	0.3062E-05
60-75.00	0.2577E-02	-7.5 TO 7.5	0.1526E-05	82.5- 97.5	0.1289E-05	60	0- 15	0.2233E-05	90-105	0.1870E-05
75-84.84	0.1804E-02	-7.5 TO 7.5	0.4108E-06	82.5- 97.5	0.3246E-06	75	0- 15	0.8499E-06	90-105	0.6811E-06
0-15.00	0.7283E-03	-7.5 TO 22.5	0.5173E-05	82.5-112.5	0.4994E-05	0	0- 30	0.1029E-04	90-120	0.1029E-04
15-30.00	0.2135E-02	-7.5 TO 22.5	0.4848E-05	82.5-112.5	0.4478E-05	15	0- 30	0.1023E-04	90-120	0.9651E-05
30-45.00	0.3397E-02	-7.5 TO 22.5	0.4043E-05	82.5-112.5	0.3577E-05	30	0- 30	0.9083E-05	90-120	0.8131E-05
45-60.00	0.4427E-02	-7.5 TO 22.5	0.2873E-05	82.5-112.5	0.2452E-05	45	0- 30	0.7039E-05	90-120	0.6025E-05
60-75.00	0.5155E-02	-7.5 TO 22.5	0.1525E-05	82.5-112.5	0.1260E-05	60	0- 30	0.4443E-05	90-120	0.3665E-05
75-84.84	0.3608E-02	-7.5 TO 22.5	0.4092E-06	82.5-112.5	0.3149E-06	75	0- 30	0.1689E-05	90-120	0.1329E-05
0-15.00	0.1092E-02	-7.5 TO 37.5	0.5166E-05	82.5-127.5	0.4974E-05	0	0- 45	0.1543E-04	90-135	0.1543E-04
15-30.00	0.3203E-02	-7.5 TO 37.5	0.4834E-05	82.5-127.5	0.4438E-05	15	0- 45	0.1530E-04	90-135	0.1440E-04
30-45.00	0.5095E-02	-7.5 TO 37.5	0.4025E-05	82.5-127.5	0.3528E-05	30	0- 45	0.1356E-04	90-135	0.1207E-04
45-60.00	0.6640E-02	-7.5 TO 37.5	0.2857E-05	82.5-127.5	0.2409E-05	45	0- 45	0.1049E-04	90-135	0.8902E-05
60-75.00	0.7732E-02	-7.5 TO 37.5	0.1515E-05	82.5-127.5	0.1234E-05	60	0- 45	0.6608E-05	90-135	0.5396E-05
75-84.84	0.5412E-02	-7.5 TO 37.5	0.4055E-06	82.5-127.5	0.3059E-06	75	0- 45	0.2506E-05	90-135	0.1948E-05
0-15.00	0.1457E-02	-7.5 TO 52.5	0.5157E-05	82.5-142.5	0.4956E-05	0	0- 60	0.2058E-04	90-150	0.2058E-04
15-30.00	0.4270E-02	-7.5 TO 52.5	0.4814E-05	82.5-142.5	0.4403E-05	15	0- 60	0.2033E-04	90-150	0.1910E-04
30-45.00	0.6793E-02	-7.5 TO 52.5	0.4000E-05	82.5-142.5	0.3485E-05	30	0- 60	0.1796E-04	90-150	0.1594E-04
45-60.00	0.8853E-02	-7.5 TO 52.5	0.2833E-05	82.5-142.5	0.2370E-05	45	0- 60	0.1385E-04	90-150	0.1171E-04
60-75.00	0.1031E-01	-7.5 TO 52.5	0.1500E-05	82.5-142.5	0.1210E-05	60	0- 60	0.8711E-05	90-150	0.7077E-05
75-84.84	0.7217E-02	-7.5 TO 52.5	0.4000E-06	82.5-142.5	0.2979E-06	75	0- 60	0.3295E-05	90-150	0.2545E-05
0-15.00	0.1821E-02	-7.5 TO 67.5	0.5144E-05	82.5-157.5	0.4941E-05	0	0- 75	0.2572E-04	90-165	0.2572E-04
15-30.00	0.5338E-02	-7.5 TO 67.5	0.4788E-05	82.5-157.5	0.4371E-05	15	0- 75	0.2530E-04	90-165	0.2377E-04
30-45.00	0.8492E-02	-7.5 TO 67.5	0.3967E-05	82.5-157.5	0.3447E-05	30	0- 75	0.2227E-04	90-165	0.1976E-04
45-60.00	0.1107E-01	-7.5 TO 67.5	0.2803E-05	82.5-157.5	0.2337E-05	45	0- 75	0.1712E-04	90-165	0.1447E-04
60-75.00	0.1289E-01	-7.5 TO 67.5	0.1481E-05	82.5-157.5	0.1190E-05	60	0- 75	0.1074E-04	90-165	0.8722E-05
75-84.84	0.9021E-02	-7.5 TO 67.5	0.3931E-06	82.5-157.5	0.2911E-06	75	0- 75	0.4049E-05	90-165	0.3126E-05
0-15.00	0.2185E-02	-7.5 TO 82.5	0.5129E-05	82.5-172.5	0.4928E-05	0	0- 90	0.3086E-04	90-180	0.3086E-04
15-30.00	0.6406E-02	-7.5 TO 82.5	0.4757E-05	82.5-172.5	0.4345E-05	15	0- 90	0.3022E-04	90-180	0.2843E-04
30-45.00	0.1019E-01	-7.5 TO 82.5	0.3928E-05	82.5-172.5	0.3415E-05	30	0- 90	0.2648E-04	90-180	0.2356E-04
45-60.00	0.1328E-01	-7.5 TO 82.5	0.2768E-05	82.5-172.5	0.2309E-05	45	0- 90	0.2029E-04	90-180	0.1721E-04
60-75.00	0.1546E-01	-7.5 TO 82.5	0.1459E-05	82.5-172.5	0.1173E-05	60	0- 90	0.1269E-04	90-180	0.1035E-04
75-84.84	0.1082E-01	-7.5 TO 82.5	0.3851E-06	82.5-172.5	0.2855E-06	75	0- 90	0.4766E-05	90-180	0.3699E-05
0-15.00	0.2549E-02	-7.5 TO 97.5	0.5113E-05	82.5-187.5	0.4918E-05	0	0-105	0.3601E-04	90-195	0.3601E-04
15-30.00	0.7473E-02	-7.5 TO 97.5	0.4723E-05	82.5-187.5	0.4325E-05	15	0-105	0.3507E-04	90-195	0.3309E-04
30-45.00	0.1189E-01	-7.5 TO 97.5	0.3885E-05	82.5-187.5	0.3391E-05	30	0-105	0.3059E-04	90-195	0.2735E-04
45-60.00	0.1549E-01	-7.5 TO 97.5	0.2729E-05	82.5-187.5	0.2288E-05	45	0-105	0.2335E-04	90-195	0.1995E-04
60-75.00	0.1804E-01	-7.5 TO 97.5	0.1434E-05	82.5-187.5	0.1160E-05	60	0-105	0.1456E-04	90-195	0.1198E-04
75-84.84	0.1263E-01	-7.5 TO 97.5	0.3765E-06	82.5-187.5	0.2812E-06	75	0-105	0.5448E-05	90-195	0.4273E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

$r_2/r_1 = 0.10$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0247$ $\cosh \mu_2 = 99.7525$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.85$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8966E-04	-7.5 TO 7.5	0.7662E-07	82.5- 97.5	0.7649E-07	0	0- 15	0.7811E-07	90-105	0.7811E-07
15-30.00	0.2629E-03	-7.5 TO 7.5	0.7049E-07	82.5- 97.5	0.7021E-07	15	0- 15	0.7507E-07	90-105	0.7485E-07
30-45.00	0.4182E-03	-7.5 TO 7.5	0.5883E-07	82.5- 97.5	0.5846E-07	30	0- 15	0.6593E-07	90-105	0.6555E-07
45-60.00	0.5450E-03	-7.5 TO 7.5	0.4302E-07	82.5- 97.5	0.4266E-07	45	0- 15	0.5183E-07	90-105	0.5140E-07
60-75.00	0.6346E-03	-7.5 TO 7.5	0.2479E-07	82.5- 97.5	0.2452E-07	60	0- 15	0.3439E-07	90-105	0.3402E-07
75-87.42	0.5626E-03	-7.5 TO 7.5	0.7489E-08	82.5- 97.5	0.7367E-08	75	0- 15	0.1540E-07	90-105	0.1518E-07
0-15.00	0.1793E-03	-7.5 TO 22.5	0.7662E-07	82.5-112.5	0.7647E-07	0	0- 30	0.1562E-06	90-120	0.1562E-06
15-30.00	0.5257E-03	-7.5 TO 22.5	0.7049E-07	82.5-112.5	0.7017E-07	15	0- 30	0.1501E-06	90-120	0.1496E-06
30-45.00	0.8363E-03	-7.5 TO 22.5	0.5883E-07	82.5-112.5	0.5841E-07	30	0- 30	0.1318E-06	90-120	0.1310E-06
45-60.00	0.1090E-02	-7.5 TO 22.5	0.4302E-07	82.5-112.5	0.4261E-07	45	0- 30	0.1036E-06	90-120	0.1027E-06
60-75.00	0.1269E-02	-7.5 TO 22.5	0.2478E-07	82.5-112.5	0.2449E-07	60	0- 30	0.6876E-07	90-120	0.6796E-07
75-87.42	0.1125E-02	-7.5 TO 22.5	0.7487E-08	82.5-112.5	0.7351E-08	75	0- 30	0.3080E-07	90-120	0.3032E-07
0-15.00	0.2690E-03	-7.5 TO 37.5	0.7662E-07	82.5-127.5	0.7645E-07	0	0- 45	0.2343E-06	90-135	0.2343E-06
15-30.00	0.7886E-03	-7.5 TO 37.5	0.7048E-07	82.5-127.5	0.7014E-07	15	0- 45	0.2252E-06	90-135	0.2244E-06
30-45.00	0.1254E-02	-7.5 TO 37.5	0.5881E-07	82.5-127.5	0.5836E-07	30	0- 45	0.1977E-06	90-135	0.1964E-06
45-60.00	0.1635E-02	-7.5 TO 37.5	0.4300E-07	82.5-127.5	0.4257E-07	45	0- 45	0.1554E-06	90-135	0.1539E-06
60-75.00	0.1904E-02	-7.5 TO 37.5	0.2477E-07	82.5-127.5	0.2445E-07	60	0- 45	0.1031E-06	90-135	0.1018E-06
75-87.42	0.1688E-02	-7.5 TO 37.5	0.7482E-08	82.5-127.5	0.7336E-08	75	0- 45	0.4616E-07	90-135	0.4541E-07
0-15.00	0.3586E-03	-7.5 TO 52.5	0.7661E-07	82.5-142.5	0.7644E-07	0	0- 60	0.3124E-06	90-150	0.3124E-06
15-30.00	0.1051E-02	-7.5 TO 52.5	0.7046E-07	82.5-142.5	0.7010E-07	15	0- 60	0.3002E-06	90-150	0.2991E-06
30-45.00	0.1673E-02	-7.5 TO 52.5	0.5879E-07	82.5-142.5	0.5832E-07	30	0- 60	0.2635E-06	90-150	0.2617E-06
45-60.00	0.2180E-02	-7.5 TO 52.5	0.4298E-07	82.5-142.5	0.4253E-07	45	0- 60	0.2071E-06	90-150	0.2050E-06
60-75.00	0.2538E-02	-7.5 TO 52.5	0.2475E-07	82.5-142.5	0.2442E-07	60	0- 60	0.1374E-06	90-150	0.1356E-06
75-87.42	0.2250E-02	-7.5 TO 52.5	0.7475E-08	82.5-142.5	0.7323E-08	75	0- 60	0.6149E-07	90-150	0.6047E-07
0-15.00	0.4483E-03	-7.5 TO 67.5	0.7660E-07	82.5-157.5	0.7642E-07	0	0- 75	0.3905E-06	90-165	0.3905E-06
15-30.00	0.1314E-02	-7.5 TO 67.5	0.7044E-07	82.5-157.5	0.7007E-07	15	0- 75	0.3751E-06	90-165	0.3738E-06
30-45.00	0.2091E-02	-7.5 TO 67.5	0.5876E-07	82.5-157.5	0.5828E-07	30	0- 75	0.3292E-06	90-165	0.3270E-06
45-60.00	0.2725E-02	-7.5 TO 67.5	0.4295E-07	82.5-157.5	0.4249E-07	45	0- 75	0.2587E-06	90-165	0.2561E-06
60-75.00	0.3173E-02	-7.5 TO 67.5	0.2473E-07	82.5-157.5	0.2440E-07	60	0- 75	0.1715E-06	90-165	0.1694E-06
75-87.42	0.2813E-02	-7.5 TO 67.5	0.7465E-08	82.5-157.5	0.7310E-08	75	0- 75	0.7677E-07	90-165	0.7550E-07
0-15.00	0.5380E-03	-7.5 TO 82.5	0.7659E-07	82.5-172.5	0.7641E-07	0	0- 90	0.4687E-06	90-180	0.4687E-06
15-30.00	0.1577E-02	-7.5 TO 82.5	0.7041E-07	82.5-172.5	0.7005E-07	15	0- 90	0.4500E-06	90-180	0.4485E-06
30-45.00	0.2509E-02	-7.5 TO 82.5	0.5873E-07	82.5-172.5	0.5825E-07	30	0- 90	0.3949E-06	90-180	0.3922E-06
45-60.00	0.3270E-02	-7.5 TO 82.5	0.4292E-07	82.5-172.5	0.4246E-07	45	0- 90	0.3102E-06	90-180	0.3072E-06
60-75.00	0.3808E-02	-7.5 TO 82.5	0.2471E-07	82.5-172.5	0.2437E-07	60	0- 90	0.2057E-06	90-180	0.2031E-06
75-87.42	0.3376E-02	-7.5 TO 82.5	0.7454F-08	82.5-172.5	0.7300E-08	75	0- 90	0.9201E-07	90-180	0.9052E-07
0-15.00	0.6276E-03	-7.5 TO 97.5	0.7657E-07	82.5-187.5	0.7640E-07	0	0-105	0.5468E-06	90-195	0.5468E-06
15-30.00	0.1840E-02	-7.5 TO 97.5	0.7038F-07	82.5-187.5	0.7003E-07	15	0-105	0.5249E-06	90-195	0.5231E-06
30-45.00	0.2927E-02	-7.5 TO 97.5	0.5869E-07	82.5-187.5	0.5823E-07	30	0-105	0.4604E-06	90-195	0.4575E-06
45-60.00	0.3815E-02	-7.5 TO 97.5	0.4288E-07	82.5-187.5	0.4244E-07	45	0-105	0.3616E-06	90-195	0.3583E-06
60-75.00	0.4442E-02	-7.5 TO 97.5	0.2468E-07	82.5-187.5	0.2436E-07	60	0-105	0.2397E-06	90-195	0.2369E-06
75-87.42	0.3938E-02	-7.5 TO 97.5	0.7442E-08	82.5-187.5	0.7293E-08	75	0-105	0.1072E-06	90-195	0.1055E-06

$r_2/r_1 = 0.10$ $d/r_1 = 20.00$ $\cosh \mu_1 = 10.0247$ $\cosh \mu_2 = 99.7525$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 149.71$

0-15.00	0.8966E-04	-7.5 TO 7.5	0.2862E-06	82.5- 97.5	0.2852E-06	0	0- 15	0.2912E-06	90-105	0.2912E-06
15-30.00	0.2629E-03	-7.5 TO 7.5	0.2639E-06	82.5- 97.5	0.2617E-06	15	0- 15	0.2807E-06	90-105	0.2789E-06
30-45.00	0.4182E-03	-7.5 TO 7.5	0.2208E-06	82.5- 97.5	0.2179E-06	30	0- 15	0.2471E-06	90-105	0.2442E-06
45-60.00	0.5450E-03	-7.5 TO 7.5	0.1618E-06	82.5- 97.5	0.1590E-06	45	0- 15	0.1947E-06	90-105	0.1914E-06
60-75.00	0.6346E-03	-7.5 TO 7.5	0.9343E-07	82.5- 97.5	0.9142E-07	60	0- 15	0.1295E-06	90-105	0.1267E-06
75-87.42	0.5626E-03	-7.5 TO 7.5	0.2838E-07	82.5- 97.5	0.2747E-07	75	0- 15	0.5817E-07	90-105	0.5652E-07
0-15.00	0.1793E-03	-7.5 TO 22.5	0.2862E-06	82.5-112.5	0.2850E-06	0	0- 30	0.5824E-06	90-120	0.5824E-06
15-30.00	0.5257E-03	-7.5 TO 22.5	0.2639E-06	82.5-112.5	0.2615E-06	15	0- 30	0.5612E-06	90-120	0.5575E-06
30-45.00	0.8363E-03	-7.5 TO 22.5	0.2208E-06	82.5-112.5	0.2176E-06	30	0- 30	0.4941E-06	90-120	0.4877E-06
45-60.00	0.1090E-02	-7.5 TO 22.5	0.1618E-06	82.5-112.5	0.1587E-06	45	0- 30	0.3893E-06	90-120	0.3821E-06
60-75.00	0.1269E-02	-7.5 TO 22.5	0.9339E-07	82.5-112.5	0.9116E-07	60	0- 30	0.2588E-06	90-120	0.2527E-06
75-87.42	0.1125E-02	-7.5 TO 22.5	0.2836E-07	82.5-112.5	0.2735E-07	75	0- 30	0.1162E-06	90-120	0.1127E-06
0-15.00	0.2690E-03	-7.5 TO 37.5	0.2861E-06	82.5-127.5	0.2849E-06	0	0- 45	0.8736E-06	90-135	0.8736E-06
15-30.00	0.7886E-03	-7.5 TO 37.5	0.2638E-06	82.5-127.5	0.2612E-06	15	0- 45	0.8416E-06	90-135	0.8357E-06
30-45.00	0.1254E-02	-7.5 TO 37.5	0.2206E-06	82.5-127.5	0.2172E-06	30	0- 45	0.7407E-06	90-135	0.7307E-06
45-60.00	0.1635E-02	-7.5 TO 37.5	0.1617E-06	82.5-127.5	0.1583E-06	45	0- 45	0.5834E-06	90-135	0.5721E-06
60-75.00	0.1904E-02	-7.5 TO 37.5	0.9331E-07	82.5-127.5	0.9091E-07	60	0- 45	0.3878E-06	90-135	0.3782E-06
75-87.42	0.1688E-02	-7.5 TO 37.5	0.2833E-07	82.5-127.5	0.2724E-07	75	0- 45	0.1741E-06	90-135	0.1685E-06
0-15.00	0.3586E-03	-7.5 TO 52.5	0.2861E-06	82.5-142.5	0.2848E-06	0	0- 60	0.1165E-05	90-150	0.1165E-05
15-30.00	0.1051E-02	-7.5 TO 52.5	0.2637E-06	82.5-142.5	0.2609E-06	15	0- 60	0.1122E-05	90-150	0.1114E-05
30-45.00	0.1673E-02	-7.5 TO 52.5	0.2205E-06	82.5-142.5	0.2169E-06	30	0- 60	0.9869E-06	90-150	0.9732E-06
45-60.00	0.2180E-02	-7.5 TO 52.5	0.1615E-06	82.5-142.5	0.1580E-06	45	0- 60	0.7770E-06	90-150	0.7616E-06
60-75.00	0.2538E-02	-7.5 TO 52.5	0.9320F-07	82.5-142.5	0.9069E-07	60	0- 60	0.5163E-06	90-150	0.5033E-06
75-87.42	0.2250E-02	-7.5 TO 52.5	0.2827E-07	82.5-142.5	0.2714E-07	75	0- 60	0.2317E-06	90-150	0.2240E-06
0-15.00	0.4483E-03	-7.5 TO 67.5	0.2860E-06	82.5-157.5	0.2847E-06	0	0- 75	0.1456E-05	90-165	0.1456E-05
15-30.00	0.1314E-02	-7.5 TO 67.5	0.2635E-06	82.5-157.5	0.2607E-06	15	0- 75	0.1401E-05	90-165	0.1391E-05
30-45.00	0.2091E-02	-7.5 TO 67.5	0.2202E-06	82.5-157.5	0.2166E-06	30	0- 75	0.1232E-05	90-165	0.1215E-05
45-60.00	0.2725E-02	-7.5 TO 67.5	0.1613E-06	82.5-157.5	0.1578E-06	45	0- 75	0.9699E-06	90-165	0.9506E-06
60-75.00	0.3173E-02	-7.5 TO 67.5	0.9304E-07	82.5-157.5	0.9049E-07	60	0- 75	0.6443E-06	90-165	0.6280E-06
75-87.42	0.2813E-02	-7.5 TO 67.5	0.2820F-07	82.5-157.5	0.2705E-07	75	0- 75	0.2890E-06	90-165	0.2794E-06
0-15.00	0.5380E-03	-7.5 TO 82.5	0.2859E-06	82.5-172.5	0.2846E-06	0	0- 90	0.1747E-05	90-180	0.1747E-05
15-30.00	0.1577E-02	-7.5 TO 82.5	0.2633E-06	82.5-172.5	0.2605E-06	15	0- 90	0.1681E-05	90-180	0.1669E-05
30-45.00	0.2509E-02	-7.5 TO 82.5	0.2200E-06	82.5-172.5	0.2164E-06	30	0- 90	0.1477E-05	90-180	0.1457E-05
45-60.00	0.3270E-02	-7.5 TO 82.5	0.1610E-06	82.5-172.5	0.1575E-06	45	0- 90	0.1162E-05	90-180	0.1140E-05
60-75.00	0.3808E-02	-7.5 TO 82.5	0.9286E-07	82.5-172.5	0.9032E-07	60	0- 90	0.7716E-06	90-180	0.7525E-06
75-87.42	0.3376E-02	-7.5 TO 82.5	0.2812E-07	82.5-172.5	0.2698E-07	75	0- 90	0.3459E-06	90-180	0.3347E-06
0-15.00	0.6276E-03	-7.5 TO 97.5	0.2858E-06	82.5-187.5	0.2845E-06	0	0-105	0.2038E-05	90-195	0.2038E-05
15-30.00	0.1840E-02	-7.5 TO 97.5	0.2631E-06	82.5-187.5	0.2604F-06	15	0-105	0.1960E-05	90-195	0.1947E-05
30-45.00	0.2927E-02	-7.5 TO 97.5	0.2197E-06	82.5-187.5	0.2162E-06	30	0-105	0.1721E-05	90-195	0.1699E-05
45-60.00	0.3815E-02	-7.5 TO 97.5	0.1607F-06	82.5-187.5	0.1574E-06	45	0-105	0.1354E-05	90-195	0.1328E-05
60-75.00	0.4442E-02	-7.5 TO 97.5	0.9265E-07	82.5-187.5	0.9019E-07	60	0-105	0.8983E-06	90-195	0.8770E-06
75-87.42	0.3938E-02	-7.5 TO 97.5	0.2803E-07	82.5-187.5	0.2692E-07	75	0-105	0.4024E-06	90-195	0.3869E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

$r_2/r_1 = 0.10$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0247$ $\cosh \mu_2 = 99.7525$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 134.59$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8966E-04	-7.5 TO 7.5	0.5726E-06	82.5- 97.5	0.5693E-06	0	0- 15	0.5814E-06	90-105	0.5814E-06
15-30.00	0.2629E-03	-7.5 TO 7.5	0.5294E-06	82.5- 97.5	0.5226E-06	15	0- 15	0.5621E-06	90-105	0.5567E-06
30-45.00	0.4182E-03	-7.5 TO 7.5	0.4440E-06	82.5- 97.5	0.4352E-06	30	0- 15	0.4963E-06	90-105	0.4872E-06
45-60.00	0.5450E-03	-7.5 TO 7.5	0.3262E-06	82.5- 97.5	0.3176E-06	45	0- 15	0.3921E-06	90-105	0.3818E-06
60-75.00	0.6346E-03	-7.5 TO 7.5	0.1887E-06	82.5- 97.5	0.1825E-06	60	0- 15	0.2613E-06	90-105	0.2526E-06
75-87.42	0.5626E-03	-7.5 TO 7.5	0.5760E-07	82.5- 97.5	0.5486E-07	75	0- 15	0.1177E-06	90-105	0.1127E-06
0-15.00	0.1793E-03	-7.5 TO 22.5	0.5725E-06	82.5-112.5	0.5689E-06	0	0- 30	0.11[illegible]	90-120	0.1163E-05
15-30.00	0.5257E-03	-7.5 TO 22.5	0.5293E-06	82.5-112.5	0.5217E-06	15	0- 30	0.11[illegible]	90-120	0.1112E-05
30-45.00	0.8363E-03	-7.5 TO 22.5	0.4439E-06	82.5-112.5	0.4340E-06	30	0- 30	0.9921E-06	90-120	0.9724E-06
45-60.00	0.1090E-02	-7.5 TO 22.5	0.3260E-06	82.5-112.5	0.3165E-06	45	0- 30	0.7835E-06	90-120	0.7613E-06
60-75.00	0.1269E-02	-7.5 TO 22.5	0.1886E-06	82.5-112.5	0.1818E-06	60	0- 30	0.5220E-06	90-120	0.5033E-06
75-87.42	0.1125E-02	-7.5 TO 22.5	0.5756E-07	82.5-112.5	0.5451E-07	75	0- 30	0.2351E-06	90-120	0.2242E-06
0-15.00	0.2690E-03	-7.5 TO 37.5	0.5724E-06	82.5-127.5	0.5685E-06	0	0- 45	0.1744E-05	90-135	0.1744E-05
15-30.00	0.7886E-03	-7.5 TO 37.5	0.5290E-06	82.5-127.5	0.5209E-06	15	0- 45	0.1685E-05	90-135	0.1667E-05
30-45.00	0.1254E-02	-7.5 TO 37.5	0.4435E-06	82.5-127.5	0.4329E-06	30	0- 45	0.1487E-05	90-135	0.1456E-05
45-60.00	0.1635E-02	-7.5 TO 37.5	0.3257E-06	82.5-127.5	0.3154E-06	45	0- 45	0.1174E-05	90-135	0.1139E-05
60-75.00	0.1904E-02	-7.5 TO 37.5	0.1884E-06	82.5-127.5	0.1810E-06	60	0- 45	0.7818E-06	90-135	0.7522E-06
75-87.42	0.1688E-02	-7.5 TO 37.5	0.5745E-07	82.5-127.5	0.5418E-07	75	0- 45	0.3519E-06	90-135	0.3348E-06
0-15.00	0.3586E-03	-7.5 TO 52.5	0.5722E-06	82.5-142.5	0.5682E-06	0	0- 60	0.2326E-05	90-150	0.2326E-05
15-30.00	0.1051E-02	-7.5 TO 52.5	0.5286E-06	82.5-142.5	0.5201E-06	15	0- 60	0.2245E-05	90-150	0.2220E-05
30-45.00	0.1673E-02	-7.5 TO 52.5	0.4430E-06	82.5-142.5	0.4319E-06	30	0- 60	0.1980E-05	90-150	0.1938E-05
45-60.00	0.2180E-02	-7.5 TO 52.5	0.3252E-06	82.5-142.5	0.3144E-06	45	0- 60	0.1562E-05	90-150	0.1514E-05
60-75.00	0.2538E-02	-7.5 TO 52.5	0.1880E-06	82.5-142.5	0.1803E-06	60	0- 60	0.1040E-05	90-150	0.9997E-06
75-87.42	0.2250E-02	-7.5 TO 52.5	0.5728E-07	82.5-142.5	0.5387E-07	75	0- 60	0.4679E-06	90-150	0.4445E-06
0-15.00	0.4483E-03	-7.5 TO 67.5	0.5720E-06	82.5-157.5	0.5678E-06	0	0- 75	0.2907E-05	90-165	0.2907E-05
15-30.00	0.1314E-02	-7.5 TO 67.5	0.5281E-06	82.5-157.5	0.5194E-06	15	0- 75	0.2804E-05	90-165	0.2773E-05
30-45.00	0.2091E-02	-7.5 TO 67.5	0.4423E-06	82.5-157.5	0.4310E-06	30	0- 75	0.2471E-05	90-165	0.2418E-05
45-60.00	0.2725E-02	-7.5 TO 67.5	0.3245E-06	82.5-157.5	0.3136E-06	45	0- 75	0.1949E-05	90-165	0.1889E-05
60-75.00	0.3173E-02	-7.5 TO 67.5	0.1875E-06	82.5-157.5	0.1797E-06	60	0- 75	0.1297E-05	90-165	0.1246E-05
75-87.42	0.2813E-02	-7.5 TO 67.5	0.5707E-07	82.5-157.5	0.5361E-07	75	0- 75	0.5829E-06	90-165	0.5537E-06
0-15.00	0.5380E-03	-7.5 TO 82.5	0.5717E-06	82.5-172.5	0.5676E-06	0	0- 90	0.3488E-05	90-180	0.3488E-05
15-30.00	0.1577E-02	-7.5 TO 82.5	0.5275E-06	82.5-172.5	0.5189E-06	15	0- 90	0.3362E-05	90-180	0.3326E-05
30-45.00	0.2509E-02	-7.5 TO 82.5	0.4415E-06	82.5-172.5	0.4303E-06	30	0- 90	0.2961E-05	90-180	0.2898E-05
45-60.00	0.3270E-02	-7.5 TO 82.5	0.3237E-06	82.5-172.5	0.3129E-06	45	0- 90	0.2333E-05	90-180	0.2263E-05
60-75.00	0.3808E-02	-7.5 TO 82.5	0.1870E-06	82.5-172.5	0.1792E-06	60	0- 90	0.1551E-05	90-180	0.1492E-05
75-87.42	0.3376E-02	-7.5 TO 82.5	0.5682E-07	82.5-172.5	0.5338E-07	75	0- 90	0.6967E-06	90-180	0.6625E-06
0-15.00	0.6276E-03	-7.5 TO 97.5	0.5713E-06	82.5-187.5	0.5674E-06	0	0-105	0.4070E-05	90-195	0.4070E-05
15-30.00	0.1840E-02	-7.5 TO 97.5	0.5268E-06	82.5-187.5	0.5184E-06	15	0-105	0.3919E-05	90-195	0.3878E-05
30-45.00	0.2927E-02	-7.5 TO 97.5	0.4406E-06	82.5-187.5	0.4297E-06	30	0-105	0.3448E-05	90-195	0.3379E-05
45-60.00	0.3815E-02	-7.5 TO 97.5	0.3228E-06	82.5-187.5	0.3123E-06	45	0-105	0.2715E-05	90-195	0.2637E-05
60-75.00	0.4442E-02	-7.5 TO 97.5	0.1863E-06	82.5-187.5	0.1788E-06	60	0-105	0.1804E-05	90-195	0.1738E-05
75-87.42	0.3938E-02	-7.5 TO 97.5	0.5654E-07	82.5-187.5	0.5321E-07	75	0-105	0.8094E-06	90-195	0.7714E-06

$r_2/r_1 = 0.10$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0247$ $\cosh \mu_2 = 99.7525$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 119.50$

0-15.00	0.8966E-04	-7.5 TO 7.5	0.8590E-06	82.5- 97.5	0.8522E-06	0	0- 15	0.8702E-06	90-105	0.8702E-06
15-30.00	0.2629E-03	-7.5 TO 7.5	0.7966E-06	82.5- 97.5	0.7822E-06	15	0- 15	0.8442E-06	90-105	0.8328E-06
30-45.00	0.4182E-03	-7.5 TO 7.5	0.6701E-06	82.5- 97.5	0.6513E-06	30	0- 15	0.7479E-06	90-105	0.7286E-06
45-60.00	0.5450E-03	-7.5 TO 7.5	0.4935E-06	82.5- 97.5	0.4754E-06	45	0- 15	0.5924E-06	90-105	0.5707E-06
60-75.00	0.6346E-03	-7.5 TO 7.5	0.2862E-06	82.5- 97.5	0.2733E-06	60	0- 15	0.3957E-06	90-105	0.3775E-06
75-87.42	0.5626E-03	-7.5 TO 7.5	0.8768E-07	82.5- 97.5	0.8213E-07	75	0- 15	0.1787E-06	90-105	0.1683E-06
0-15.00	0.1793E-03	-7.5 TO 22.5	0.8589E-06	82.5-112.5	0.8513E-06	0	0- 30	0.1740E-05	90-120	0.1740E-05
15-30.00	0.5257E-03	-7.5 TO 22.5	0.7964E-06	82.5-112.5	0.7803E-06	15	0- 30	0.1688E-05	90-120	0.1663E-05
30-45.00	0.8363E-03	-7.5 TO 22.5	0.6698E-06	82.5-112.5	0.6489E-06	30	0- 30	0.1495E-05	90-120	0.1453E-05
45-60.00	0.1090E-02	-7.5 TO 22.5	0.4931E-06	82.5-112.5	0.4730E-06	45	0- 30	0.1184E-05	90-120	0.1137E-05
60-75.00	0.1269E-02	-7.5 TO 22.5	0.2859E-06	82.5-112.5	0.2716E-06	60	0- 30	0.7904E-06	90-120	0.7510E-06
75-87.42	0.1125E-02	-7.5 TO 22.5	0.8759E-07	82.5-112.5	0.8143E-07	75	0- 30	0.3568E-06	90-120	0.3344E-06
0-15.00	0.2690E-03	-7.5 TO 37.5	0.8586E-06	82.5-127.5	0.8504E-06	0	0- 45	0.2611E-05	90-135	0.2611E-05
15-30.00	0.7886E-03	-7.5 TO 37.5	0.7958E-06	82.5-127.5	0.7786E-06	15	0- 45	0.2530E-05	90-135	0.2491E-05
30-45.00	0.1254E-02	-7.5 TO 37.5	0.6691E-06	82.5-127.5	0.6466E-06	30	0- 45	0.2239E-05	90-135	0.2173E-05
45-60.00	0.1635E-02	-7.5 TO 37.5	0.4924E-06	82.5-127.5	0.4708E-06	45	0- 45	0.1772E-05	90-135	0.1698E-05
60-75.00	0.1904E-02	-7.5 TO 37.5	0.2854E-06	82.5-127.5	0.2700E-06	60	0- 45	0.1183E-05	90-135	0.1121E-05
75-87.42	0.1688E-02	-7.5 TO 37.5	0.8737E-07	82.5-127.5	0.8076E-07	75	0- 45	0.5337E-06	90-135	0.4984E-06
0-15.00	0.3586E-03	-7.5 TO 52.5	0.8582E-06	82.5-142.5	0.8496E-06	0	0- 60	0.3481E-05	90-150	0.3481E-05
15-30.00	0.1051E-02	-7.5 TO 52.5	0.7949E-06	82.5-142.5	0.7769E-06	15	0- 60	0.3370E-05	90-150	0.3317E-05
30-45.00	0.1673E-02	-7.5 TO 52.5	0.6679E-06	82.5-142.5	0.6445E-06	30	0- 60	0.2980E-05	90-150	0.2890E-05
45-60.00	0.2180E-02	-7.5 TO 52.5	0.4914E-06	82.5-142.5	0.4688E-06	45	0- 60	0.2357E-05	90-150	0.2256E-05
60-75.00	0.2538E-02	-7.5 TO 52.5	0.2847E-06	82.5-142.5	0.2686E-06	60	0- 60	0.1572E-05	90-150	0.1488E-05
75-87.42	0.2250E-02	-7.5 TO 52.5	0.8703E-07	82.5-142.5	0.8015E-07	75	0- 60	0.7089E-06	90-150	0.6607E-06
0-15.00	0.4483E-03	-7.5 TO 67.5	0.8577E-06	82.5-157.5	0.8489E-06	0	0- 75	0.4351E-05	90-165	0.4351E-05
15-30.00	0.1314E-02	-7.5 TO 67.5	0.7938E-06	82.5-157.5	0.7755E-06	15	0- 75	0.4208E-05	90-165	0.4142E-05
30-45.00	0.2091E-02	-7.5 TO 67.5	0.6665E-06	82.5-157.5	0.6426E-06	30	0- 75	0.3718E-05	90-165	0.3605E-05
45-60.00	0.2725E-02	-7.5 TO 67.5	0.4900E-06	82.5-157.5	0.4670E-06	45	0- 75	0.2938E-05	90-165	0.2812E-05
60-75.00	0.3173E-02	-7.5 TO 67.5	0.2837E-06	82.5-157.5	0.2673E-06	60	0- 75	0.1958E-05	90-165	0.1852E-05
75-87.42	0.2813E-02	-7.5 TO 67.5	0.8660E-07	82.5-157.5	0.7962E-07	75	0- 75	0.8819E-06	90-165	0.8218E-06
0-15.00	0.5380E-03	-7.5 TO 82.5	0.8571E-06	82.5-172.5	0.8484E-06	0	0- 90	0.5221E-05	90-180	0.5221E-05
15-30.00	0.1577E-02	-7.5 TO 82.5	0.7925E-06	82.5-172.5	0.7743E-06	15	0- 90	0.5044E-05	90-180	0.4966E-05
30-45.00	0.2509E-02	-7.5 TO 82.5	0.6648E-06	82.5-172.5	0.6411E-06	30	0- 90	0.4451E-05	90-180	0.4319E-05
45-60.00	0.3270E-02	-7.5 TO 82.5	0.4883E-06	82.5-172.5	0.4655E-06	45	0- 90	0.3513E-05	90-180	0.3366E-05
60-75.00	0.3808E-02	-7.5 TO 82.5	0.2825E-06	82.5-172.5	0.2663E-06	60	0- 90	0.2340E-05	90-180	0.2216E-05
75-87.42	0.3376E-02	-7.5 TO 82.5	0.8609E-07	82.5-172.5	0.7917E-07	75	0- 90	0.1053F-05	90-180	0.9824E-06
0-15.00	0.6276E-03	-7.5 TO 97.5	0.8564E-06	82.5-187.5	0.8479E-06	0	0-105	0.6091E-05	90-195	0.6091E-05
15-30.00	0.1840E-02	-7.5 TO 97.5	0.7910E-06	82.5-187.5	0.7734E-06	15	0-105	0.5877E-05	90-195	0.5790E-05
30-45.00	0.2927E-02	-7.5 TO 97.5	0.6629E-06	82.5-187.5	0.6399E-06	30	0-105	0.5179E-05	90-195	0.5033E-05
45-60.00	0.3815E-02	-7.5 TO 97.5	0.4865E-06	82.5-187.5	0.4643E-06	45	0-105	0.4084E-05	90-195	0.3920E-05
60-75.00	0.4442E-02	-7.5 TO 97.5	0.2812E-06	82.5-187.5	0.2655E-06	60	0-105	0.2717E-05	90-195	0.2580E-05
75-87.42	0.3938E-02	-7.5 TO 97.5	0.8553E-07	82.5-187.5	0.7883E-07	75	0-105	0.1221E-05	90-195	0.1143E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

$r_2/r_1 = 0.10$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0247$ $\cosh \mu_2 = 99.7525$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 104.44$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8966E-04	-7.5 TO 7.5	0.1069E-05	82.5- 97.5	0.1057E-05	0	0- 15	0.1080E-05	90-105	0.1080E-05
15-30.00	0.2629E-03	-7.5 TO 7.5	0.9950E-06	82.5- 97.5	0.9706E-06	15	0- 15	0.1052E-05	90-105	0.1033E-05
30-45.00	0.4182E-03	-7.5 TO 7.5	0.8399E-06	82.5- 97.5	0.8083E-06	30	0- 15	0.9358E-06	90-105	0.9031E-06
45-60.00	0.5450E-03	-7.5 TO 7.5	0.6203E-06	82.5- 97.5	0.5899E-06	45	0- 15	0.7437E-06	90-105	0.7071E-06
60-75.00	0.6346E-03	-7.5 TO 7.5	0.3606E-06	82.5- 97.5	0.3391E-06	60	0- 15	0.4981E-06	90-105	0.4676E-06
75-87.42	0.5626E-03	-7.5 TO 7.5	0.1108E-06	82.5- 97.5	0.1019E-06	75	0- 15	0.2255E-06	90-105	0.2084E-06
0-15.00	0.1793E-03	-7.5 TO 22.5	0.1069E-05	82.5-112.5	0.1056E-05	0	0- 30	0.2160E-05	90-120	0.2160E-05
15-30.00	0.5257E-03	-7.5 TO 22.5	0.9946E-06	82.5-112.5	0.9675E-06	15	0- 30	0.2103E-05	90-120	0.2061E-05
30-45.00	0.8363E-03	-7.5 TO 22.5	0.8394E-06	82.5-112.5	0.8042E-06	30	0- 30	0.1870E-05	90-120	0.1799E-05
45-60.00	0.1090E-02	-7.5 TO 22.5	0.6198E-06	82.5-112.5	0.5860E-06	45	0- 30	0.1485E-05	90-120	0.1406E-05
60-75.00	0.1269E-02	-7.5 TO 22.5	0.3602E-06	82.5-112.5	0.3364E-06	60	0- 30	0.9943E-06	90-120	0.9283E-06
75-87.42	0.1125E-02	-7.5 TO 22.5	0.1107E-06	82.5-112.5	0.1008E-06	75	0- 30	0.4499E-06	90-120	0.4131E-06
0-15.00	0.2690E-03	-7.5 TO 37.5	0.1068E-05	82.5-127.5	0.1054E-05	0	0- 45	0.3239E-05	90-135	0.3239E-05
15-30.00	0.7886E-03	-7.5 TO 37.5	0.9936E-06	82.5-127.5	0.9645E-06	15	0- 45	0.3152E-05	90-135	0.3086E-05
30-45.00	0.1254E-02	-7.5 TO 37.5	0.8382E-06	82.5-127.5	0.8003E-06	30	0- 45	0.2800E-05	90-135	0.2688E-05
45-60.00	0.1635E-02	-7.5 TO 37.5	0.6186E-06	82.5-127.5	0.5823E-06	45	0- 45	0.2222E-05	90-135	0.2098E-05
60-75.00	0.1904E-02	-7.5 TO 37.5	0.3593E-06	82.5-127.5	0.3338E-06	60	0- 45	0.1487E-05	90-135	0.1383E-05
75-87.42	0.1688E-02	-7.5 TO 37.5	0.1103E-06	82.5-127.5	0.9977E-07	75	0- 45	0.6724E-06	90-135	0.6145E-06
0-15.00	0.3586E-03	-7.5 TO 52.5	0.1068E-05	82.5-142.5	0.1053E-05	0	0- 60	0.4319E-05	90-150	0.4319E-05
15-30.00	0.1051E-02	-7.5 TO 52.5	0.9922E-06	82.5-142.5	0.9617E-06	15	0- 60	0.4197E-05	90-150	0.4107E-05
30-45.00	0.1673E-02	-7.5 TO 52.5	0.8363E-06	82.5-142.5	0.7967E-06	30	0- 60	0.3724E-05	90-150	0.3572E-05
45-60.00	0.2180E-02	-7.5 TO 52.5	0.6168E-06	82.5-142.5	0.5788E-06	45	0- 60	0.2954E-05	90-150	0.2783E-05
60-75.00	0.2538E-02	-7.5 TO 52.5	0.3581E-06	82.5-142.5	0.3314E-06	60	0- 60	0.1975E-05	90-150	0.1833E-05
75-87.42	0.2250E-02	-7.5 TO 52.5	0.1098E-06	82.5-142.5	0.9880E-07	75	0- 60	0.8920E-06	90-150	0.8132E-06
0-15.00	0.4483E-03	-7.5 TO 67.5	0.1067E-05	82.5-157.5	0.1052E-05	0	0- 75	0.5399E-05	90-165	0.5399E-05
15-30.00	0.1314E-02	-7.5 TO 67.5	0.9903E-06	82.5-157.5	0.9593E-06	15	0- 75	0.5239E-05	90-165	0.5127E-05
30-45.00	0.2091E-02	-7.5 TO 67.5	0.8338E-06	82.5-157.5	0.7936E-06	30	0- 75	0.4642E-05	90-165	0.4452E-05
45-60.00	0.2725E-02	-7.5 TO 67.5	0.6144E-06	82.5-157.5	0.5758E-06	45	0- 75	0.3677E-05	90-165	0.3465E-05
60-75.00	0.3173E-02	-7.5 TO 67.5	0.3564E-06	82.5-157.5	0.3293E-06	60	0- 75	0.2456E-05	90-165	0.2279E-05
75-87.42	0.2813E-02	-7.5 TO 67.5	0.1091E-06	82.5-157.5	0.9796E-07	75	0- 75	0.1108E-05	90-165	0.1010E-05
0-15.00	0.5380E-03	-7.5 TO 82.5	0.1066E-05	82.5-172.5	0.1051E-05	0	0- 90	0.6479E-05	90-180	0.6479E-05
15-30.00	0.1577E-02	-7.5 TO 82.5	0.9881E-06	82.5-172.5	0.9573E-06	15	0- 90	0.6276E-05	90-180	0.6145E-05
30-45.00	0.2509E-02	-7.5 TO 82.5	0.8309E-06	82.5-172.5	0.7909E-06	30	0- 90	0.5553E-05	90-180	0.5330E-05
45-60.00	0.3270E-02	-7.5 TO 82.5	0.6117E-06	82.5-172.5	0.5733E-06	45	0- 90	0.4393E-05	90-180	0.4144E-05
60-75.00	0.3808E-02	-7.5 TO 82.5	0.3544E-06	82.5-172.5	0.3275E-06	60	0- 90	0.2931E-05	90-180	0.2724E-05
75-87.42	0.3376E-02	-7.5 TO 82.5	0.1083E-06	82.5-172.5	0.9726E-07	75	0- 90	0.1320E-05	90-180	0.1206E-05
0-15.00	0.6276E-03	-7.5 TO 97.5	0.1065E-05	82.5-187.5	0.1050E-05	0	0-105	0.7559E-05	90-195	0.7559E-05
15-30.00	0.1840E-02	-7.5 TO 97.5	0.9856E-06	82.5-187.5	0.9557E-06	15	0-105	0.7309E-05	90-195	0.7163E-05
30-45.00	0.2927E-02	-7.5 TO 97.5	0.8277E-06	82.5-187.5	0.7889E-06	30	0-105	0.6456E-05	90-195	0.6208E-05
45-60.00	0.3815E-02	-7.5 TO 97.5	0.6086E-06	82.5-187.5	0.5714E-06	45	0-105	0.5100E-05	90-195	0.4823E-05
60-75.00	0.4442E-02	-7.5 TO 97.5	0.3523E-06	82.5-187.5	0.3262E-06	60	0-105	0.3398E-05	90-195	0.3168E-05
75-87.42	0.3938E-02	-7.5 TO 97.5	0.1074E-06	82.5-187.5	0.9672E-07	75	0-105	0.1529E-05	90-195	0.1401E-05

$r_2/r_1 = 0.10$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0247$ $\cosh \mu_2 = 99.7525$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 89.43$

0-15.00	0.8966E-04	-7.5 TO 7.5	0.1147E-05	82.5- 97.5	0.1130E-05	0	0- 15	0.1154E-05	90-105	0.1154E-05
15-30.00	0.2629E-03	-7.5 TO 7.5	0.1073E-05	82.5- 97.5	0.1038E-05	15	0- 15	0.1131E-05	90-105	0.1103E-05
30-45.00	0.4182E-03	-7.5 TO 7.5	0.9099E-06	82.5- 97.5	0.8640E-06	30	0- 15	0.1011E-05	90-105	0.9639E-06
45-60.00	0.5450E-03	-7.5 TO 7.5	0.6745E-06	82.5- 97.5	0.6306E-06	45	0- 15	0.8072E-06	90-105	0.7543E-06
60-75.00	0.6346E-03	-7.5 TO 7.5	0.3931E-06	82.5- 97.5	0.3625E-06	60	0- 15	0.5424E-06	90-105	0.4986E-06
75-87.42	0.5626E-03	-7.5 TO 7.5	0.1210E-06	82.5- 97.5	0.1090E-06	75	0- 15	0.2461E-06	90-105	0.2222E-06
0-15.00	0.1793E-03	-7.5 TO 22.5	0.1147E-05	82.5-112.5	0.1128E-05	0	0- 30	0.2308E-05	90-120	0.2308E-05
15-30.00	0.5257E-03	-7.5 TO 22.5	0.1072E-05	82.5-112.5	0.1033E-05	15	0- 30	0.2261E-05	90-120	0.2200E-05
30-45.00	0.8363E-03	-7.5 TO 22.5	0.9091E-06	82.5-112.5	0.8581E-06	30	0- 30	0.2020E-05	90-120	0.1917E-05
45-60.00	0.1090E-02	-7.5 TO 22.5	0.6737E-06	82.5-112.5	0.6250E-06	45	0- 30	0.1611E-05	90-120	0.1497E-05
60-75.00	0.1269E-02	-7.5 TO 22.5	0.3925E-06	82.5-112.5	0.3587E-06	60	0- 30	0.1082E-05	90-120	0.9876E-06
75-87.42	0.1125E-02	-7.5 TO 22.5	0.1208E-06	82.5-112.5	0.1075E-06	75	0- 30	0.4907E-06	90-120	0.4393E-06
0-15.00	0.2690E-03	-7.5 TO 37.5	0.1146E-05	82.5-127.5	0.1126E-05	0	0- 45	0.3463E-05	90-135	0.3463E-05
15-30.00	0.7886E-03	-7.5 TO 37.5	0.1071E-05	82.5-127.5	0.1029E-05	15	0- 45	0.3387E-05	90-135	0.3292E-05
30-45.00	0.1254E-02	-7.5 TO 37.5	0.9073E-06	82.5-127.5	0.8526E-06	30	0- 45	0.3023E-05	90-135	0.2861E-05
45-60.00	0.1635E-02	-7.5 TO 37.5	0.6720E-06	82.5-127.5	0.6198E-06	45	0- 45	0.2409E-05	90-135	0.2229E-05
60-75.00	0.1904E-02	-7.5 TO 37.5	0.3913E-06	82.5-127.5	0.3550E-06	60	0- 45	0.1617E-05	90-135	0.1468E-05
75-87.42	0.1688E-02	-7.5 TO 37.5	0.1203E-06	82.5-127.5	0.1061E-06	75	0- 45	0.7324E-06	90-135	0.6519E-06
0-15.00	0.3586E-03	-7.5 TO 52.5	0.1145E-05	82.5-142.5	0.1124E-05	0	0- 60	0.4617E-05	90-150	0.4617E-05
15-30.00	0.1051E-02	-7.5 TO 52.5	0.1069E-05	82.5-142.5	0.1025E-05	15	0- 60	0.4508E-05	90-150	0.4378E-05
30-45.00	0.1673E-02	-7.5 TO 52.5	0.9046E-06	82.5-142.5	0.8475E-06	30	0- 60	0.4018E-05	90-150	0.3798E-05
45-60.00	0.2180E-02	-7.5 TO 52.5	0.6694E-06	82.5-142.5	0.6150E-06	45	0- 60	0.3198E-05	90-150	0.2953E-05
60-75.00	0.2538E-02	-7.5 TO 52.5	0.3895E-06	82.5-142.5	0.3517E-06	60	0- 60	0.2144E-05	90-150	0.1942E-05
75-87.42	0.2250E-02	-7.5 TO 52.5	0.1196E-06	82.5-142.5	0.1048E-06	75	0- 60	0.9703E-06	90-150	0.8608E-06
0-15.00	0.4483E-03	-7.5 TO 67.5	0.1144E-05	82.5-157.5	0.1122E-05	0	0- 75	0.5771E-05	90-165	0.5771E-05
15-30.00	0.1314E-02	-7.5 TO 67.5	0.1066E-05	82.5-157.5	0.1021E-05	15	0- 75	0.5624E-05	90-165	0.5462E-05
30-45.00	0.2091E-02	-7.5 TO 67.5	0.9011E-06	82.5-157.5	0.8431E-06	30	0- 75	0.5003E-05	90-165	0.4729E-05
45-60.00	0.2725E-02	-7.5 TO 67.5	0.6660E-06	82.5-157.5	0.6108E-06	45	0- 75	0.3977E-05	90-165	0.3672E-05
60-75.00	0.3173E-02	-7.5 TO 67.5	0.3871E-06	82.5-157.5	0.3489E-06	60	0- 75	0.2662F-05	90-165	0.2411E-05
75-87.42	0.2813E-02	-7.5 TO 67.5	0.1187E-06	82.5-157.5	0.1037E-06	75	0- 75	0.1203E-05	90-165	0.1067E-05
0-15.00	0.5380E-03	-7.5 TO 82.5	0.1142E-05	82.5-172.5	0.1121E-05	0	0- 90	0.6925E-05	90-180	0.6925E-05
15-30.00	0.1577E-02	-7.5 TO 82.5	0.1063E-05	82.5-172.5	0.1018E-05	15	0- 90	0.6734E-05	90-180	0.6544E-05
30-45.00	0.2509E-02	-7.5 TO 82.5	0.8969E-06	82.5-172.5	0.8394E-06	30	0- 90	0.5978E-05	90-180	0.5658E-05
45-60.00	0.3270E-02	-7.5 TO 82.5	0.6620E-06	82.5-172.5	0.6073E-06	45	0- 90	0.4743E-05	90-180	0.4387E-05
60-75.00	0.3808E-02	-7.5 TO 82.5	0.3843E-06	82.5-172.5	0.3469E-06	60	0- 90	0.3171E-05	90-180	0.2878E-05
75-87.42	0.3376E-02	-7.5 TO 82.5	0.1176E-06	82.5-172.5	0.1028E-06	75	0- 90	0.1431E-05	90-180	0.1272E-05
0-15.00	0.6276E-03	-7.5 TO 97.5	0.1141E-05	82.5-187.5	0.1120E-05	0	0-105	0.8079E-05	90-195	0.8079E-05
15-30.00	0.1840E-02	-7.5 TO 97.5	0.1059E-05	82.5-187.5	0.1016E-05	15	0-105	0.7837E-05	90-195	0.7626E-05
30-45.00	0.2927E-02	-7.5 TO 97.5	0.8922E-06	82.5-187.5	0.8366E-06	30	0-105	0.6942E-05	90-195	0.6586E-05
45-60.00	0.3815E-02	-7.5 TO 97.5	0.6575E-06	82.5-187.5	0.6046E-06	45	0-105	0.5497E-05	90-195	0.5102E-05
60-75.00	0.4442E-02	-7.5 TO 97.5	0.3812E-06	82.5-187.5	0.3446E-06	60	0-105	0.3670E-05	90-195	0.3344E-05
75-87.42	0.3938E-02	-7.5 TO 97.5	0.1163E-06	82.5-187.5	0.1021E-06	75	0-105	0.1653E-05	90-195	0.1477E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

$r_2/r_1 = 0.10$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0247$ $\cosh \mu_2 = 99.7525$ $\alpha_{2,max} = 92.58$ $\theta_{2,min} = 86.85$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8966E-04	-7.5 TO 7.5	0.1147E-05	82.5- 97.5	0.1130E-05	0	0- 15	0.1154E-05	90-105	0.1154E-05
15-30.00	0.2629E-03	-7.5 TO 7.5	0.1073E-05	82.5- 97.5	0.1038E-05	15	0- 15	0.1131E-05	90-105	0.1103E-05
30-45.00	0.4182E-03	-7.5 TO 7.5	0.9105E-06	82.5- 97.5	0.8640E-06	30	0- 15	0.1012E-05	90-105	0.9639E-06
45-60.00	0.5450E-03	-7.5 TO 7.5	0.6753E-06	82.5- 97.5	0.6306E-06	45	0- 15	0.8080E-06	90-105	0.7543E-06
60-75.00	0.6346E-03	-7.5 TO 7.5	0.3937E-06	82.5- 97.5	0.3625E-06	60	0- 15	0.5431E-06	90-105	0.4986E-06
75-87.42	0.5626E-03	-7.5 TO 7.5	0.1213E-06	82.5- 97.5	0.1090E-06	75	0- 15	0.2465E-06	90-105	0.2222E-06
0-15.00	0.1793E-03	-7.5 TO 22.5	0.1147E-05	82.5-112.5	0.1128E-05	0	0- 30	0.2308E-05	90-120	0.2308E-05
15-30.00	0.5257E-03	-7.5 TO 22.5	0.1073E-05	82.5-112.5	0.1033E-05	15	0- 30	0.2261E-05	90-120	0.2200E-05
30-45.00	0.8363E-03	-7.5 TO 22.5	0.9097E-06	82.5-112.5	0.8581E-06	30	0- 30	0.2021E-05	90-120	0.1917E-05
45-60.00	0.1090E-02	-7.5 TO 22.5	0.6745E-06	82.5-112.5	0.6250E-06	45	0- 30	0.1613E-05	90-120	0.1497E-05
60-75.00	0.1269E-02	-7.5 TO 22.5	0.3931E-06	82.5-112.5	0.3587E-06	60	0- 30	0.1083E-05	90-120	0.9876E-06
75-87.42	0.1125E-02	-7.5 TO 22.5	0.1210E-06	82.5-112.5	0.1075E-06	75	0- 30	0.4915E-06	90-120	0.4393E-06
0-15.00	0.2690E-03	-7.5 TO 37.5	0.1146E-05	82.5-127.5	0.1126E-05	0	0- 45	0.3463E-05	90-135	0.3463E-05
15-30.00	0.7886E-03	-7.5 TO 37.5	0.1071E-05	82.5-127.5	0.1029E-05	15	0- 45	0.3387E-05	90-135	0.3292E-05
30-45.00	0.1254E-02	-7.5 TO 37.5	0.9079E-06	82.5-127.5	0.8526E-06	30	0- 45	0.3024E-05	90-135	0.2861E-05
45-60.00	0.1635E-02	-7.5 TO 37.5	0.6727E-06	82.5-127.5	0.6198E-06	45	0- 45	0.2411E-05	90-135	0.2229E-05
60-75.00	0.1904E-02	-7.5 TO 37.5	0.3919E-06	82.5-127.5	0.3551E-06	60	0- 45	0.1618E-05	90-135	0.1468E-05
75-87.42	0.1688E-02	-7.5 TO 37.5	0.1205E-06	82.5-127.5	0.1061E-06	75	0- 45	0.7335E-06	90-135	0.6519E-06
0-15.00	0.3586E-03	-7.5 TO 52.5	0.1145E-05	82.5-142.5	0.1124E-05	0	0- 60	0.4617E-05	90-150	0.4617E-05
15-30.00	0.1051E-02	-7.5 TO 52.5	0.1069E-05	82.5-142.5	0.1025E-05	15	0- 60	0.4509E-05	90-150	0.4378E-05
30-45.00	0.1673E-02	-7.5 TO 52.5	0.9051E-06	82.5-142.5	0.8475E-06	30	0- 60	0.4019E-05	90-150	0.3798E-05
45-60.00	0.2180E-02	-7.5 TO 52.5	0.6700E-06	82.5-142.5	0.6150E-06	45	0- 60	0.3200E-05	90-150	0.2953E-05
60-75.00	0.2538E-02	-7.5 TO 52.5	0.3900E-06	82.5-142.5	0.3517E-06	60	0- 60	0.2146E-05	90-150	0.1942E-05
75-87.42	0.2250E-02	-7.5 TO 52.5	0.1198E-06	82.5-142.5	0.1048E-06	75	0- 60	0.9715E-06	90-150	0.8608E-06
0-15.00	0.4483E-03	-7.5 TO 67.5	0.1144E-05	82.5-157.5	0.1122E-05	0	0- 75	0.5771E-05	90-165	0.5771E-05
15-30.00	0.1314E-02	-7.5 TO 67.5	0.1066E-05	82.5-157.5	0.1021E-05	15	0- 75	0.5625E-05	90-165	0.5462E-05
30-45.00	0.2091E-02	-7.5 TO 67.5	0.9015E-06	82.5-157.5	0.8431E-06	30	0- 75	0.5005E-05	90-165	0.4729E-05
45-60.00	0.2725E-02	-7.5 TO 67.5	0.6665E-06	82.5-157.5	0.6108E-06	45	0- 75	0.3979E-05	90-165	0.3672E-05
60-75.00	0.3173E-02	-7.5 TO 67.5	0.3876E-06	82.5-157.5	0.3489E-06	60	0- 75	0.2665E-05	90-165	0.2411E-05
75-87.42	0.2813E-02	-7.5 TO 67.5	0.1188E-06	82.5-157.5	0.1037E-06	75	0- 75	0.1205E-05	90-165	0.1067E-05
0-15.00	0.5380E-03	-7.5 TO 82.5	0.1142E-05	82.5-172.5	0.1121E-05	0	0- 90	0.6925E-05	90-180	0.6925E-05
15-30.00	0.1577E-02	-7.5 TO 82.5	0.1063E-05	82.5-172.5	0.1018E-05	15	0- 90	0.6734E-05	90-180	0.6544E-05
30-45.00	0.2509E-02	-7.5 TO 82.5	0.8972E-06	82.5-172.5	0.8394E-06	30	0- 90	0.5979E-05	90-180	0.5658E-05
45-60.00	0.3270E-02	-7.5 TO 82.5	0.6624E-06	82.5-172.5	0.6073E-06	45	0- 90	0.4745E-05	90-180	0.4387E-05
60-75.00	0.3808E-02	-7.5 TO 82.5	0.3847E-06	82.5-172.5	0.3465E-06	60	0- 90	0.3173E-05	90-180	0.2878E-05
75-87.42	0.3376E-02	-7.5 TO 82.5	0.1177E-06	82.5-172.5	0.1028E-06	75	0- 90	0.1432E-05	90-180	0.1272E-05
0-15.00	0.6276E-03	-7.5 TO 97.5	0.1141E-05	82.5-187.5	0.1120E-05	0	0-105	0.8079E-05	90-195	0.8079E-05
15-30.00	0.1840E-02	-7.5 TO 97.5	0.1059E-05	82.5-187.5	0.1016E-05	15	0-105	0.7837E-05	90-195	0.7626E-05
30-45.00	0.2927E-02	-7.5 TO 97.5	0.8924E-06	82.5-187.5	0.8366E-06	30	0-105	0.6943E-05	90-195	0.6586E-05
45-60.00	0.3815E-02	-7.5 TO 97.5	0.6579E-06	82.5-187.5	0.6046E-06	45	0-105	0.5499E-05	90-195	0.5102E-05
60-75.00	0.4442E-02	-7.5 TO 97.5	0.3815E-06	82.5-187.5	0.3446E-06	60	0-105	0.3672E-05	90-195	0.3344E-05
75-87.42	0.3938E-02	-7.5 TO 97.5	0.1165E-06	82.5-187.5	0.1021E-06	75	0-105	0.1654E-05	90-195	0.1477E-05

$r_2/r_1 = 0.10$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0099$ $\cosh \mu_2 = 249.9010$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.94$

0-15.00	0.1428E-04	-7.5 TO 7.5	0.1146E-07	82.5- 97.5	0.1146E-07	0	0- 15	0.1167E-07	90-105	0.1167E-07
15-30.00	0.4188E-04	-7.5 TO 7.5	0.1063E-07	82.5- 97.5	0.1061E-07	15	0- 15	0.1125E-07	90-105	0.1124E-07
30-45.00	0.6662E-04	-7.5 TO 7.5	0.9031E-08	82.5- 97.5	0.9009E-08	30	0- 15	0.1001E-07	90-105	0.9988E-08
45-60.00	0.8682E-04	-7.5 TO 7.5	0.6805E-08	82.5- 97.5	0.6782E-08	45	0- 15	0.8057E-08	90-105	0.8031E-08
60-75.00	0.1011E-03	-7.5 TO 7.5	0.4139E-08	82.5- 97.5	0.4122E-08	60	0- 15	0.5561E-08	90-105	0.5538E-08
75-88.97	0.1010E-03	-7.5 TO 7.5	0.1350E-08	82.5- 97.5	0.1342E-08	75	0- 15	0.2729E-08	90-105	0.2715E-08
0-15.00	0.2857E-04	-7.5 TO 22.5	0.1146E-07	82.5-112.5	0.1145E-07	0	0- 30	0.2334E-07	90-120	0.2334E-07
15-30.00	0.8376E-04	-7.5 TO 22.5	0.1063E-07	82.5-112.5	0.1061E-07	15	0- 30	0.2250E-07	90-120	0.2248E-07
30-45.00	0.1332E-03	-7.5 TO 22.5	0.9031E-08	82.5-112.5	0.9006E-08	30	0- 30	0.2002E-07	90-120	0.1997E-07
45-60.00	0.1736E-03	-7.5 TO 22.5	0.6804E-08	82.5-112.5	0.6779E-08	45	0- 30	0.1611E-07	90-120	0.1606E-07
60-75.00	0.2022E-03	-7.5 TO 22.5	0.4138E-08	82.5-112.5	0.4119E-08	60	0- 30	0.1112E-07	90-120	0.1107E-07
75-88.97	0.2019E-03	-7.5 TO 22.5	0.1350E-08	82.5-112.5	0.1341E-08	75	0- 30	0.5458E-08	90-120	0.5426E-08
0-15.00	0.4285E-04	-7.5 TO 37.5	0.1146E-07	82.5-127.5	0.1145E-07	0	0- 45	0.3501E-07	90-135	0.3501E-07
15-30.00	0.1256E-03	-7.5 TO 37.5	0.1063E-07	82.5-127.5	0.1061E-07	15	0- 45	0.3375E-07	90-135	0.3371E-07
30-45.00	0.1999E-03	-7.5 TO 37.5	0.9030E-08	82.5-127.5	0.9004E-08	30	0- 45	0.3003E-07	90-135	0.2995E-07
45-60.00	0.2605E-03	-7.5 TO 37.5	0.6803E-08	82.5-127.5	0.6777E-08	45	0- 45	0.2417E-07	90-135	0.2408E-07
60-75.00	0.3033E-03	-7.5 TO 37.5	0.4138E-08	82.5-127.5	0.4117E-08	60	0- 45	0.1668E-07	90-135	0.1660E-07
75-88.97	0.3029E-03	-7.5 TO 37.5	0.1350E-08	82.5-127.5	0.1340E-08	75	0- 45	0.8184E-08	90-135	0.8134E-08
0-15.00	0.5714E-04	-7.5 TO 52.5	0.1146E-07	82.5-142.5	0.1145E-07	0	0- 60	0.4668E-07	90-150	0.4668E-07
15-30.00	0.1675E-03	-7.5 TO 52.5	0.1063E-07	82.5-142.5	0.1061E-07	15	0- 60	0.4500E-07	90-150	0.4494E-07
30-45.00	0.2665E-03	-7.5 TO 52.5	0.9029E-08	82.5-142.5	0.9001E-08	30	0- 60	0.4003E-07	90-150	0.3992E-07
45-60.00	0.3473E-03	-7.5 TO 52.5	0.6802E-08	82.5-142.5	0.6774E-08	45	0- 60	0.3221E-07	90-150	0.3209E-07
60-75.00	0.4044E-03	-7.5 TO 52.5	0.4137E-08	82.5-142.5	0.4115E-08	60	0- 60	0.2223E-07	90-150	0.2212E-07
75-88.97	0.4038E-03	-7.5 TO 52.5	0.1349E-08	82.5-142.5	0.1339E-08	75	0- 60	0.1091E-07	90-150	0.1084E-07
0-15.00	0.7142E-04	-7.5 TO 67.5	0.1146E-07	82.5-157.5	0.1145E-07	0	0- 75	0.5835E-07	90-165	0.5835E-07
15-30.00	0.2094E-03	-7.5 TO 67.5	0.1063E-07	82.5-157.5	0.1061E-07	15	0- 75	0.5625E-07	90-165	0.5617E-07
30-45.00	0.3331E-03	-7.5 TO 67.5	0.9027E-08	82.5-157.5	0.8999E-08	30	0- 75	0.5003E-07	90-165	0.4990E-07
45-60.00	0.4341E-03	-7.5 TO 67.5	0.6800E-08	82.5-157.5	0.6772E-08	45	0- 75	0.4026E-07	90-165	0.4010E-07
60-75.00	0.5055E-03	-7.5 TO 67.5	0.4135E-08	82.5-157.5	0.4114E-08	60	0- 75	0.2778E-07	90-165	0.2765E-07
75-88.97	0.5048E-03	-7.5 TO 67.5	0.1349E-08	82.5-157.5	0.1338E-08	75	0- 75	0.1363E-07	90-165	0.1354E-07
0-15.00	0.8571E-04	-7.5 TO 82.5	0.1146E-07	82.5-172.5	0.1145E-07	0	0- 90	0.7003E-07	90-180	0.7003E-07
15-30.00	0.2513E-03	-7.5 TO 82.5	0.1063E-07	82.5-172.5	0.1061E-07	15	0- 90	0.6749E-07	90-180	0.6740E-07
30-45.00	0.3997E-03	-7.5 TO 82.5	0.9025E-08	82.5-172.5	0.8997E-08	30	0- 90	0.6002E-07	90-180	0.5987E-07
45-60.00	0.5209E-03	-7.5 TO 82.5	0.6798E-08	82.5-172.5	0.6770E-08	45	0- 90	0.4829E-07	90-180	0.4812E-07
60-75.00	0.6066E-03	-7.5 TO 82.5	0.4134E-08	82.5-172.5	0.4112E-08	60	0- 90	0.3332E-07	90-180	0.3317E-07
75-88.97	0.6057E-03	-7.5 TO 82.5	0.1348E-08	82.5-172.5	0.1337E-08	75	0- 90	0.1635E-07	90-180	0.1625E-07
0-15.00	0.9999E-04	-7.5 TO 97.5	0.1146E-07	82.5-187.5	0.1145E-07	0	0-105	0.8170E-07	90-195	0.8170E-07
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1062E-07	82.5-187.5	0.1060E-07	15	0-105	0.7873E-07	90-195	0.7863E-07
30-45.00	0.4663E-03	-7.5 TO 97.5	0.9023E-08	82.5-187.5	0.8996E-08	30	0-105	0.7001E-07	90-195	0.6984E-07
45-60.00	0.6078E-03	-7.5 TO 97.5	0.6796E-08	82.5-187.5	0.6768E-08	45	0-105	0.5632E-07	90-195	0.5613E-07
60-75.00	0.7077E-03	-7.5 TO 97.5	0.4132E-08	82.5-187.5	0.4111E-08	60	0-105	0.3886E-07	90-195	0.3869E-07
75-88.97	0.7067E-03	-7.5 TO 97.5	0.1347E-08	82.5-187.5	0.1337E-08	75	0-105	0.1906E-07	90-195	0.1895E-07

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

$r_2/r_1 = 0.10$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0099$ $\cosh \mu_2 = 249.9010$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 149.89$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1428E-04	-7.5 TO 7.5	0.4280E-07	82.5- 97.5	0.4274E-07	0	0- 15	0.4354E-07	90-105	0.4354E-07
15-30.00	0.4188E-04	-7.5 TO 7.5	0.3972E-07	82.5- 97.5	0.3960E-07	15	0- 15	0.4202E-07	90-105	0.4192E-07
30-45.00	0.6662E-04	-7.5 TO 7.5	0.3378E-07	82.5- 97.5	0.3361E-07	30	0- 15	0.3742E-07	90-105	0.3725E-07
45-60.00	0.8682E-04	-7.5 TO 7.5	0.2547E-07	82.5- 97.5	0.2530E-07	45	0- 15	0.3015E-07	90-105	0.2995E-07
60-75.00	0.1011E-03	-7.5 TO 7.5	0.1551E-07	82.5- 97.5	0.1538E-07	60	0- 15	0.2083E-07	90-105	0.2065E-07
75-88.97	0.1010E-03	-7.5 TO 7.5	0.5068E-08	82.5- 97.5	0.5006E-08	75	0- 15	0.1023E-07	90-105	0.1012E-07
0-15.00	0.2857E-04	-7.5 TO 22.5	0.4279E-07	82.5-112.5	0.4273E-07	0	0- 30	0.8708E-07	90-120	0.8708E-07
15-30.00	0.8376E-04	-7.5 TO 22.5	0.3972E-07	82.5-112.5	0.3958E-07	15	0- 30	0.8404E-07	90-120	0.8382E-07
30-45.00	0.1332E-03	-7.5 TO 22.5	0.3378E-07	82.5-112.5	0.3359E-07	30	0- 30	0.7484E-07	90-120	0.7446E-07
45-60.00	0.1736E-03	-7.5 TO 22.5	0.2547E-07	82.5-112.5	0.2528E-07	45	0- 30	0.6028E-07	90-120	0.5985E-07
60-75.00	0.2022E-03	-7.5 TO 22.5	0.1550E-07	82.5-112.5	0.1536E-07	60	0- 30	0.4164E-07	90-120	0.4126E-07
75-88.97	0.2019E-03	-7.5 TO 22.5	0.5067E-08	82.5-112.5	0.4998E-08	75	0- 30	0.2046E-07	90-120	0.2022E-07
0-15.00	0.4285E-04	-7.5 TO 37.5	0.4279E-07	82.5-127.5	0.4272E-07	0	0- 45	0.1306E-06	90-135	0.1306E-06
15-30.00	0.1256E-03	-7.5 TO 37.5	0.3972E-07	82.5-127.5	0.3957E-07	15	0- 45	0.1260E-06	90-135	0.1257E-06
30-45.00	0.1999E-03	-7.5 TO 37.5	0.3377E-07	82.5-127.5	0.3357E-07	30	0- 45	0.1122E-06	90-135	0.1116E-06
45-60.00	0.2605E-03	-7.5 TO 37.5	0.2546E-07	82.5-127.5	0.2526E-07	45	0- 45	0.9039E-07	90-135	0.8971E-07
60-75.00	0.3033E-03	-7.5 TO 37.5	0.1550E-07	82.5-127.5	0.1536E-07	60	0- 45	0.6244E-07	90-135	0.6184E-07
75-88.97	0.3029E-03	-7.5 TO 37.5	0.5064E-08	82.5-127.5	0.4991E-08	75	0- 45	0.3067E-07	90-135	0.3029E-07
0-15.00	0.5714E-04	-7.5 TO 52.5	0.4279E-07	82.5-142.5	0.4271E-07	0	0- 60	0.1742E-06	90-150	0.1742E-06
15-30.00	0.1675E-03	-7.5 TO 52.5	0.3971E-07	82.5-142.5	0.3955E-07	15	0- 60	0.1680E-06	90-150	0.1676E-06
30-45.00	0.2665E-03	-7.5 TO 52.5	0.3376E-07	82.5-142.5	0.3355E-07	30	0- 60	0.1496E-06	90-150	0.1488E-06
45-60.00	0.3473E-03	-7.5 TO 52.5	0.2545E-07	82.5-142.5	0.2524E-07	45	0- 60	0.1205E-06	90-150	0.1195E-06
60-75.00	0.4044E-03	-7.5 TO 52.5	0.1549E-07	82.5-142.5	0.1533E-07	60	0- 60	0.8320E-07	90-150	0.8238E-07
75-88.97	0.4038E-03	-7.5 TO 52.5	0.5061E-08	82.5-142.5	0.4984E-08	75	0- 60	0.4086E-07	90-150	0.4034E-07
0-15.00	0.7142E-04	-7.5 TO 67.5	0.4278E-07	82.5-157.5	0.4271E-07	0	0- 75	0.2177E-06	90-165	0.2177E-06
15-30.00	0.2094E-03	-7.5 TO 67.5	0.3970E-07	82.5-157.5	0.3954E-07	15	0- 75	0.2100E-06	90-165	0.2094E-06
30-45.00	0.3331E-03	-7.5 TO 67.5	0.3375E-07	82.5-157.5	0.3353E-07	30	0- 75	0.1869E-06	90-165	0.1859E-06
45-60.00	0.4341E-03	-7.5 TO 67.5	0.2544E-07	82.5-157.5	0.2522E-07	45	0- 75	0.1505E-06	90-165	0.1494E-06
60-75.00	0.5055E-03	-7.5 TO 67.5	0.1548E-07	82.5-157.5	0.1532E-07	60	0- 75	0.1039E-06	90-165	0.1029E-06
75-88.97	0.5048E-03	-7.5 TO 67.5	0.5056E-08	82.5-157.5	0.4978E-08	75	0- 75	0.5103E-07	90-165	0.5038E-07
0-15.00	0.8571E-04	-7.5 TO 82.5	0.4278E-07	82.5-172.5	0.4270E-07	0	0- 90	0.2612E-06	90-180	0.2612E-06
15-30.00	0.2513E-03	-7.5 TO 82.5	0.3969E-07	82.5-172.5	0.3953E-07	15	0- 90	0.2519E-06	90-180	0.2513E-06
30-45.00	0.3997E-03	-7.5 TO 82.5	0.3373E-07	82.5-172.5	0.3352E-07	30	0- 90	0.2242E-06	90-180	0.2230E-06
45-60.00	0.5209E-03	-7.5 TO 82.5	0.2542E-07	82.5-172.5	0.2521E-07	45	0- 90	0.1805E-06	90-180	0.1791E-06
60-75.00	0.6066E-03	-7.5 TO 82.5	0.1547E-07	82.5-172.5	0.1530E-07	60	0- 90	0.1246E-06	90-180	0.1234E-06
75-88.97	0.6057E-03	-7.5 TO 82.5	0.5050E-08	82.5-172.5	0.4973E-08	75	0- 90	0.6118E-07	90-180	0.6042E-07
0-15.00	0.9999E-04	-7.5 TO 97.5	0.4277E-07	82.5-187.5	0.4270E-07	0	0-105	0.3048E-06	90-195	0.3048E-06
15-30.00	0.2932E-03	-7.5 TO 97.5	0.3968E-07	82.5-187.5	0.3952E-07	15	0-105	0.2939E-06	90-195	0.2931E-06
30-45.00	0.4663E-03	-7.5 TO 97.5	0.3371E-07	82.5-187.5	0.3351E-07	30	0-105	0.2615E-06	90-195	0.2602E-06
45-60.00	0.6078E-03	-7.5 TO 97.5	0.2541E-07	82.5-187.5	0.2520E-07	45	0-105	0.2105E-06	90-195	0.2089E-06
60-75.00	0.7077E-03	-7.5 TO 97.5	0.1546E-07	82.5-187.5	0.1530E-07	60	0-105	0.1453E-06	90-195	0.1439E-06
75-88.97	0.7067E-03	-7.5 TO 97.5	0.5044E-08	82.5-187.5	0.4969E-08	75	0-105	0.7130E-07	90-195	0.7045E-07

$r_2/r_1 = 0.10$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0099$ $\cosh \mu_2 = 249.9010$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 134.84$

0-15.00	0.1428E-04	-7.5 TO 7.5	0.8560E-07	82.5- 97.5	0.8542E-07	0	0- 15	0.8702E-07	90-105	0.8702E-07
15-30.00	0.4188E-04	-7.5 TO 7.5	0.7954E-07	82.5- 97.5	0.7914E-07	15	0- 15	0.8409E-07	90-105	0.8378E-07
30-45.00	0.6662E-04	-7.5 TO 7.5	0.6770E-07	82.5- 97.5	0.6718E-07	30	0- 15	0.7497E-07	90-105	0.7443E-07
45-60.00	0.8682E-04	-7.5 TO 7.5	0.5110E-07	82.5- 97.5	0.5057E-07	45	0- 15	0.6045E-07	90-105	0.5983E-07
60-75.00	0.1011E-03	-7.5 TO 7.5	0.3113E-07	82.5- 97.5	0.3073E-07	60	0- 15	0.4180E-07	90-105	0.4125E-07
75-88.97	0.1010E-03	-7.5 TO 7.5	0.1019E-07	82.5- 97.5	0.1001E-07	75	0- 15	0.2055E-07	90-105	0.2021E-07
0-15.00	0.2857E-04	-7.5 TO 22.5	0.8560E-07	82.5-112.5	0.8539E-07	0	0- 30	0.1740E-06	90-120	0.1740E-06
15-30.00	0.8376E-04	-7.5 TO 22.5	0.7953E-07	82.5-112.5	0.7909E-07	15	0- 30	0.1682E-06	90-120	0.1675E-06
30-45.00	0.1332E-03	-7.5 TO 22.5	0.6769E-07	82.5-112.5	0.6711E-07	30	0- 30	0.1499E-06	90-120	0.1487E-06
45-60.00	0.1736E-03	-7.5 TO 22.5	0.5109E-07	82.5-112.5	0.5050E-07	45	0- 30	0.1209E-06	90-120	0.1195E-06
60-75.00	0.2022E-03	-7.5 TO 22.5	0.3113E-07	82.5-112.5	0.3068E-07	60	0- 30	0.8356E-07	90-120	0.8238E-07
75-88.97	0.2019E-03	-7.5 TO 22.5	0.1019E-07	82.5-112.5	0.9983E-08	75	0- 30	0.4109E-07	90-120	0.4035E-07
0-15.00	0.4285E-04	-7.5 TO 37.5	0.8559E-07	82.5-127.5	0.8537E-07	0	0- 45	0.2611E-06	90-135	0.2611E-06
15-30.00	0.1256E-03	-7.5 TO 37.5	0.7952E-07	82.5-127.5	0.7904E-07	15	0- 45	0.2522E-06	90-135	0.2511E-06
30-45.00	0.1999E-03	-7.5 TO 37.5	0.6767E-07	82.5-127.5	0.6704E-07	30	0- 45	0.2248E-06	90-135	0.2229E-06
45-60.00	0.2605E-03	-7.5 TO 37.5	0.5107E-07	82.5-127.5	0.5044E-07	45	0- 45	0.1812E-06	90-135	0.1791E-06
60-75.00	0.3033E-03	-7.5 TO 37.5	0.3111E-07	82.5-127.5	0.3063E-07	60	0- 45	0.1253E-06	90-135	0.1234E-06
75-88.97	0.3029E-03	-7.5 TO 37.5	0.1018E-07	82.5-127.5	0.9960E-08	75	0- 45	0.6158E-07	90-135	0.6042E-07
0-15.00	0.5714E-04	-7.5 TO 52.5	0.8558E-07	82.5-142.5	0.8535E-07	0	0- 60	0.3481E-06	90-150	0.3481E-06
15-30.00	0.1675E-03	-7.5 TO 52.5	0.7949E-07	82.5-142.5	0.7900E-07	15	0- 60	0.3362E-06	90-150	0.3347E-06
30-45.00	0.2665E-03	-7.5 TO 52.5	0.6764E-07	82.5-142.5	0.6698E-07	30	0- 60	0.2996E-06	90-150	0.2971E-06
45-60.00	0.3473E-03	-7.5 TO 52.5	0.5104E-07	82.5-142.5	0.5038E-07	45	0- 60	0.2414E-06	90-150	0.2386E-06
60-75.00	0.4044E-03	-7.5 TO 52.5	0.3109E-07	82.5-142.5	0.3059E-07	60	0- 60	0.1669E-06	90-150	0.1643E-06
75-88.97	0.4038E-03	-7.5 TO 52.5	0.1017E-07	82.5-142.5	0.9939E-08	75	0- 60	0.8202E-07	90-150	0.8043E-07
0-15.00	0.7142E-04	-7.5 TO 67.5	0.8557E-07	82.5-157.5	0.8533E-07	0	0- 75	0.4351E-06	90-165	0.4351E-06
15-30.00	0.2094E-03	-7.5 TO 67.5	0.7946E-07	82.5-157.5	0.7896E-07	15	0- 75	0.4201E-06	90-165	0.4183E-06
30-45.00	0.3331E-03	-7.5 TO 67.5	0.6760E-07	82.5-157.5	0.6693E-07	30	0- 75	0.3742E-06	90-165	0.3711E-06
45-60.00	0.4341E-03	-7.5 TO 67.5	0.5100E-07	82.5-157.5	0.5032E-07	45	0- 75	0.3016E-06	90-165	0.2980E-06
60-75.00	0.5055E-03	-7.5 TO 67.5	0.3106E-07	82.5-157.5	0.3059E-07	60	0- 75	0.2084E-06	90-165	0.2052E-06
75-88.97	0.5048E-03	-7.5 TO 67.5	0.1016E-07	82.5-157.5	0.9921E-08	75	0- 75	0.1024E-06	90-165	0.1004E-06
0-15.00	0.8571E-04	-7.5 TO 82.5	0.8555E-07	82.5-172.5	0.8531E-07	0	0- 90	0.5221E-06	90-180	0.5221E-06
15-30.00	0.2513E-03	-7.5 TO 82.5	0.7943E-07	82.5-172.5	0.7893E-07	15	0- 90	0.5039E-06	90-180	0.5018E-06
30-45.00	0.3997E-03	-7.5 TO 82.5	0.6755E-07	82.5-172.5	0.6689E-07	30	0- 90	0.4488E-06	90-180	0.4451E-06
45-60.00	0.5209E-03	-7.5 TO 82.5	0.5095E-07	82.5-172.5	0.5028E-07	45	0- 90	0.3615E-06	90-180	0.3573E-06
60-75.00	0.6066E-03	-7.5 TO 82.5	0.3102E-07	82.5-172.5	0.3051E-07	60	0- 90	0.2497E-06	90-180	0.2460E-06
75-88.97	0.6057E-03	-7.5 TO 82.5	0.1014E-07	82.5-172.5	0.9906E-08	75	0- 90	0.1227E-06	90-180	0.1204E-06
0-15.00	0.9999E-04	-7.5 TO 97.5	0.8553E-07	82.5-187.5	0.8530E-07	0	0-105	0.6091E-06	90-195	0.6091E-06
15-30.00	0.2932E-03	-7.5 TO 97.5	0.7939E-07	82.5-187.5	0.7890E-07	15	0-105	0.5877E-06	90-195	0.5854E-06
30-45.00	0.4663E-03	-7.5 TO 97.5	0.6750E-07	82.5-187.5	0.6685E-07	30	0-105	0.5232E-06	90-195	0.5192E-06
45-60.00	0.6078E-03	-7.5 TO 97.5	0.5089E-07	82.5-187.5	0.5025E-07	45	0-105	0.4214E-06	90-195	0.4167E-06
60-75.00	0.7077E-03	-7.5 TO 97.5	0.3098E-07	82.5-187.5	0.3049E-07	60	0-105	0.2910E-06	90-195	0.2869E-06
75-88.97	0.7067E-03	-7.5 TO 97.5	0.1012E-07	82.5-187.5	0.9894E-08	75	0-105	0.1429E-06	90-195	0.1403E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

r_2/r_1 = 0.10 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0099 $\cosh \mu_2$ = 249.9010 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 119.80

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1428E-04	-7.5 TO 7.5	0.1284E-06	82.5- 97.5	0.1280E-06	0	0- 15	0.1304E-06	90-105	0.1304E-06
15-30.00	0.4188E-04	-7.5 TO 7.5	0.1195E-06	82.5- 97.5	0.1186E-06	15	0- 15	0.1262E-06	90-105	0.1255E-06
30-45.00	0.6662E-04	-7.5 TO 7.5	0.1018E-06	82.5- 97.5	0.1007E-06	30	0- 15	0.1127E-06	90-105	0.1115E-06
45-60.00	0.8682E-04	-7.5 TO 7.5	0.7691E-07	82.5- 97.5	0.7579E-07	45	0- 15	0.9094E-07	90-105	0.8963E-07
60-75.00	0.1011E-03	-7.5 TO 7.5	0.4690E-07	82.5- 97.5	0.4606E-07	60	0- 15	0.6293E-07	90-105	0.6179E-07
75-88.97	0.1010E-03	-7.5 TO 7.5	0.1537E-07	82.5- 97.5	0.1500E-07	75	0- 15	0.3098E-07	90-105	0.3027E-07
0-15.00	0.2857E-04	-7.5 TO 22.5	0.1284E-06	82.5-112.5	0.1280E-06	0	0- 30	0.2608E-06	90-120	0.2608E-06
15-30.00	0.8376E-04	-7.5 TO 22.5	0.1194E-06	82.5-112.5	0.1185E-06	15	0- 30	0.2524E-06	90-120	0.2509E-06
30-45.00	0.1332E-03	-7.5 TO 22.5	0.1018E-06	82.5-112.5	0.1005E-06	30	0- 30	0.2252E-06	90-120	0.2228E-06
45-60.00	0.1736E-03	-7.5 TO 22.5	0.7689E-07	82.5-112.5	0.7565E-07	45	0- 30	0.1818E-06	90-120	0.1790E-06
60-75.00	0.2022E-03	-7.5 TO 22.5	0.4688E-07	82.5-112.5	0.4595E-07	60	0- 30	0.1258E-06	90-120	0.1233E-06
75-88.97	0.2019E-03	-7.5 TO 22.5	0.1537E-07	82.5-112.5	0.1495E-07	75	0- 30	0.6192E-07	90-120	0.6039E-07
0-15.00	0.4285E-04	-7.5 TO 37.5	0.1284E-06	82.5-127.5	0.1279E-06	0	0- 45	0.3913E-06	90-135	0.3913E-06
15-30.00	0.1256E-03	-7.5 TO 37.5	0.1194E-06	82.5-127.5	0.1184E-06	15	0- 45	0.3784E-06	90-135	0.3762E-06
30-45.00	0.1999E-03	-7.5 TO 37.5	0.1017E-06	82.5-127.5	0.1004E-06	30	0- 45	0.3377E-06	90-135	0.3338E-06
45-60.00	0.2605E-03	-7.5 TO 37.5	0.7684E-07	82.5-127.5	0.7551E-07	45	0- 45	0.2725E-06	90-135	0.2680E-06
60-75.00	0.3033E-03	-7.5 TO 37.5	0.4685E-07	82.5-127.5	0.4585E-07	60	0- 45	0.1885E-06	90-135	0.1846E-06
75-88.97	0.3029E-03	-7.5 TO 37.5	0.1535E-07	82.5-127.5	0.1490E-07	75	0- 45	0.9277E-07	90-135	0.9036E-07
0-15.00	0.5714E-04	-7.5 TO 52.5	0.1284E-06	82.5-142.5	0.1279E-06	0	0- 60	0.5217E-06	90-150	0.5217E-06
15-30.00	0.1675E-03	-7.5 TO 52.5	0.1194E-06	82.5-142.5	0.1183E-06	15	0- 60	0.5044E-06	90-150	0.5013E-06
30-45.00	0.2665E-03	-7.5 TO 52.5	0.1017E-06	82.5-142.5	0.1003E-06	30	0- 60	0.4499E-06	90-150	0.4447E-06
45-60.00	0.3473E-03	-7.5 TO 52.5	0.7678E-07	82.5-142.5	0.7538E-07	45	0- 60	0.3630E-06	90-150	0.3569E-06
60-75.00	0.4044E-03	-7.5 TO 52.5	0.4680E-07	82.5-142.5	0.4576E-07	60	0- 60	0.2511E-06	90-150	0.2457E-06
75-88.97	0.4038E-03	-7.5 TO 52.5	0.1533E-07	82.5-142.5	0.1486E-07	75	0- 60	0.1235E-06	90-150	0.1202E-06
0-15.00	0.7142E-04	-7.5 TO 67.5	0.1283E-06	82.5-157.5	0.1278E-06	0	0- 75	0.6521E-06	90-165	0.6521E-06
15-30.00	0.2094E-03	-7.5 TO 67.5	0.1193E-06	82.5-157.5	0.1182E-06	15	0- 75	0.6302E-06	90-165	0.6264E-06
30-45.00	0.3331E-03	-7.5 TO 67.5	0.1016E-06	82.5-157.5	0.1002E-06	30	0- 75	0.5620E-06	90-165	0.5554E-06
45-60.00	0.4341E-03	-7.5 TO 67.5	0.7669E-07	82.5-157.5	0.7527E-07	45	0- 75	0.4532E-06	90-165	0.4456E-06
60-75.00	0.5055E-03	-7.5 TO 67.5	0.4674E-07	82.5-157.5	0.4587E-07	60	0- 75	0.3134E-06	90-165	0.3067E-06
75-88.97	0.5048E-03	-7.5 TO 67.5	0.1530E-07	82.5-157.5	0.1482E-07	75	0- 75	0.1541E-06	90-165	0.1500E-06
0-15.00	0.8571E-04	-7.5 TO 82.5	0.1283E-06	82.5-172.5	0.1278E-06	0	0- 90	0.7825E-06	90-180	0.7825E-06
15-30.00	0.2513E-03	-7.5 TO 82.5	0.1192E-06	82.5-172.5	0.1182E-06	15	0- 90	0.7559E-06	90-180	0.7515E-06
30-45.00	0.3997E-03	-7.5 TO 82.5	0.1015E-06	82.5-172.5	0.1001E-06	30	0- 90	0.6738E-06	90-180	0.6660E-06
45-60.00	0.5209E-03	-7.5 TO 82.5	0.7659E-07	82.5-172.5	0.7518E-07	45	0- 90	0.5432E-06	90-180	0.5342E-06
60-75.00	0.6066E-03	-7.5 TO 82.5	0.4666E-07	82.5-172.5	0.4560E-07	60	0- 90	0.3754E-06	90-180	0.3676E-06
75-88.97	0.6057E-03	-7.5 TO 82.5	0.1527E-07	82.5-172.5	0.1479E-07	75	0- 90	0.1845E-06	90-180	0.1797E-06
0-15.00	0.9999E-04	-7.5 TO 97.5	0.1283E-06	82.5-187.5	0.1278E-06	0	0-105	0.9129E-06	90-195	0.9129E-06
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1191E-06	82.5-187.5	0.1181E-06	15	0-105	0.8815E-06	90-195	0.8765E-06
30-45.00	0.4663E-03	-7.5 TO 97.5	0.1014E-06	82.5-187.5	0.9999E-07	30	0-105	0.7853E-06	90-195	0.7767E-06
45-60.00	0.6078E-03	-7.5 TO 97.5	0.7648E-07	82.5-187.5	0.7511E-07	45	0-105	0.6328E-06	90-195	0.6228E-06
60-75.00	0.7077E-03	-7.5 TO 97.5	0.4657E-07	82.5-187.5	0.4555E-07	60	0-105	0.4372E-06	90-195	0.4285E-06
75-88.97	0.7067E-03	-7.5 TO 97.5	0.1523E-07	82.5-187.5	0.1477E-07	75	0-105	0.2148E-06	90-195	0.2095E-06

r_2/r_1 = 0.10 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0099 $\cosh \mu_2$ = 249.9010 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 104.78

0-15.00	0.1428E-04	-7.5 TO 7.5	0.1598E-06	82.5- 97.5	0.1591E-06	0	0- 15	0.1621E-06	90-105	0.1621E-06
15-30.00	0.4188E-04	-7.5 TO 7.5	0.1488E-06	82.5- 97.5	0.1474E-06	15	0- 15	0.1571E-06	90-105	0.1560E-06
30-45.00	0.6662E-04	-7.5 TO 7.5	0.1270E-06	82.5- 97.5	0.1251E-06	30	0- 15	0.1405E-06	90-105	0.1385E-06
45-60.00	0.8682E-04	-7.5 TO 7.5	0.9607E-07	82.5- 97.5	0.9419E-07	45	0- 15	0.1135E-06	90-105	0.1113E-06
60-75.00	0.1011E-03	-7.5 TO 7.5	0.5864E-07	82.5- 97.5	0.5724E-07	60	0- 15	0.7866E-07	90-105	0.7673E-07
75-88.97	0.1010E-03	-7.5 TO 7.5	0.1924E-07	82.5- 97.5	0.1864E-07	75	0- 15	0.3875E-07	90-105	0.3759E-07
0-15.00	0.2857E-04	-7.5 TO 22.5	0.1598E-06	82.5-112.5	0.1590E-06	0	0- 30	0.3242E-06	90-120	0.3242E-06
15-30.00	0.8376E-04	-7.5 TO 22.5	0.1488E-06	82.5-112.5	0.1472E-06	15	0- 30	0.3141E-06	90-120	0.3117E-06
30-45.00	0.1332E-03	-7.5 TO 22.5	0.1270E-06	82.5-112.5	0.1249E-06	30	0- 30	0.2808E-06	90-120	0.2766E-06
45-60.00	0.1736E-03	-7.5 TO 22.5	0.9604E-07	82.5-112.5	0.9395E-07	45	0- 30	0.2269E-06	90-120	0.2221E-06
60-75.00	0.2022E-03	-7.5 TO 22.5	0.5862E-07	82.5-112.5	0.5707E-07	60	0- 30	0.1572E-06	90-120	0.1530E-06
75-88.97	0.2019E-03	-7.5 TO 22.5	0.1923E-07	82.5-112.5	0.1856E-07	75	0- 30	0.7744E-07	90-120	0.7492E-07
0-15.00	0.4285E-04	-7.5 TO 37.5	0.1597E-06	82.5-127.5	0.1589E-06	0	0- 45	0.4863E-06	90-135	0.4863E-06
15-30.00	0.1256E-03	-7.5 TO 37.5	0.1488E-06	82.5-127.5	0.1471E-06	15	0- 45	0.4710E-06	90-135	0.4672E-06
30-45.00	0.1999E-03	-7.5 TO 37.5	0.1269E-06	82.5-127.5	0.1246E-06	30	0- 45	0.4209E-06	90-135	0.4143E-06
45-60.00	0.2605E-03	-7.5 TO 37.5	0.9597E-07	82.5-127.5	0.9372E-07	45	0- 45	0.3401E-06	90-135	0.3325E-06
60-75.00	0.3033E-03	-7.5 TO 37.5	0.5856E-07	82.5-127.5	0.5689E-07	60	0- 45	0.2355E-06	90-135	0.2289E-06
75-88.97	0.3029E-03	-7.5 TO 37.5	0.1921E-07	82.5-127.5	0.1849E-07	75	0- 45	0.1160E-06	90-135	0.1120E-06
0-15.00	0.5714E-04	-7.5 TO 52.5	0.1597E-06	82.5-142.5	0.1589E-06	0	0- 60	0.6483E-06	90-150	0.6483E-06
15-30.00	0.1675E-03	-7.5 TO 52.5	0.1487E-06	82.5-142.5	0.1469E-06	15	0- 60	0.6278E-06	90-150	0.6226E-06
30-45.00	0.2665E-03	-7.5 TO 52.5	0.1268E-06	82.5-142.5	0.1244E-06	30	0- 60	0.5607E-06	90-150	0.5517E-06
45-60.00	0.3473E-03	-7.5 TO 52.5	0.9585E-07	82.5-142.5	0.9351E-07	45	0- 60	0.4529E-06	90-150	0.4425E-06
60-75.00	0.4044E-03	-7.5 TO 52.5	0.5848E-07	82.5-142.5	0.5674E-07	60	0- 60	0.3135E-06	90-150	0.3045E-06
75-88.97	0.4038E-03	-7.5 TO 52.5	0.1917E-07	82.5-142.5	0.1842E-07	75	0- 60	0.1543E-06	90-150	0.1489E-06
0-15.00	0.7142E-04	-7.5 TO 67.5	0.1596E-06	82.5-157.5	0.1588E-06	0	0- 75	0.8104E-06	90-165	0.8104E-06
15-30.00	0.2094E-03	-7.5 TO 67.5	0.1486E-06	82.5-157.5	0.1468E-06	15	0- 75	0.7842E-06	90-165	0.7777E-06
30-45.00	0.3331E-03	-7.5 TO 67.5	0.1266E-06	82.5-157.5	0.1242E-06	30	0- 75	0.7001E-06	90-165	0.6889E-06
45-60.00	0.4341E-03	-7.5 TO 67.5	0.9571E-07	82.5-157.5	0.9332E-07	45	0- 75	0.5652E-06	90-165	0.5523E-06
60-75.00	0.5055E-03	-7.5 TO 67.5	0.5837E-07	82.5-157.5	0.5660E-07	60	0- 75	0.3911E-06	90-165	0.3799E-06
75-88.97	0.5048E-03	-7.5 TO 67.5	0.1913E-07	82.5-157.5	0.1836E-07	75	0- 75	0.1925E-06	90-165	0.1857E-06
0-15.00	0.8571E-04	-7.5 TO 82.5	0.1596E-06	82.5-172.5	0.1587E-06	0	0- 90	0.9725E-06	90-180	0.9725E-06
15-30.00	0.2513E-03	-7.5 TO 82.5	0.1484E-06	82.5-172.5	0.1466E-06	15	0- 90	0.9405E-06	90-180	0.9329E-06
30-45.00	0.3997E-03	-7.5 TO 82.5	0.1265E-06	82.5-172.5	0.1241E-06	30	0- 90	0.8391E-06	90-180	0.8260E-06
45-60.00	0.5209E-03	-7.5 TO 82.5	0.9554E-07	82.5-172.5	0.9317E-07	45	0- 90	0.6770E-06	90-180	0.6619E-06
60-75.00	0.6066E-03	-7.5 TO 82.5	0.5824E-07	82.5-172.5	0.5648E-07	60	0- 90	0.4683E-06	90-180	0.4552E-06
75-88.97	0.6057E-03	-7.5 TO 82.5	0.1907E-07	82.5-172.5	0.1831E-07	75	0- 90	0.2303E-06	90-180	0.2224E-06
0-15.00	0.9999E-04	-7.5 TO 97.5	0.1595E-06	82.5-187.5	0.1587E-06	0	0-105	0.1135E-05	90-195	0.1135E-05
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1483E-06	82.5-187.5	0.1465E-06	15	0-105	0.1096E-05	90-195	0.1088E-05
30-45.00	0.4663E-03	-7.5 TO 97.5	0.1263E-06	82.5-187.5	0.1240E-06	30	0-105	0.9776E-06	90-195	0.9630E-06
45-60.00	0.6078E-03	-7.5 TO 97.5	0.9535E-07	82.5-187.5	0.9305E-07	45	0-105	0.7884E-06	90-195	0.7716E-06
60-75.00	0.7077E-03	-7.5 TO 97.5	0.5810E-07	82.5-187.5	0.5639E-07	60	0-105	0.5450E-06	90-195	0.5304E-06
75-88.97	0.7067E-03	-7.5 TO 97.5	0.1901E-07	82.5-187.5	0.1827E-07	75	0-105	0.2679E-06	90-195	0.2591E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

$r_2/r_1 = 0.10$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0099$ $\cosh \mu_2 = 249.9010$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 89.77$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1428E-04	-7.5 TO 7.5	0.1713E-06	82.5- 97.5	0.1703E-06	0	0- 15	0.1735E-06	90-105	0.1735E-06
15-30.00	0.4188E-04	-7.5 TO 7.5	0.1599E-06	82.5- 97.5	0.1578E-06	15	0- 15	0.1686E-06	90-105	0.1670E-06
30-45.00	0.6662E-04	-7.5 TO 7.5	0.1367E-06	82.5- 97.5	0.1340E-06	30	0- 15	0.1510E-06	90-105	0.1482E-06
45-60.00	0.8682E-04	-7.5 TO 7.5	0.1036E-06	82.5- 97.5	0.1009E-06	45	0- 15	0.1223E-06	90-105	0.1191E-06
60-75.00	0.1011E-03	-7.5 TO 7.5	0.6329E-07	82.5- 97.5	0.6129E-07	60	0- 15	0.8485E-07	90-105	0.8207E-07
75-88.97	0.1010E-03	-7.5 TO 7.5	0.2078E-07	82.5- 97.5	0.1996E-07	75	0- 15	0.4184E-07	90-105	0.4020E-07
0-15.00	0.2857E-04	-7.5 TO 22.5	0.1713E-06	82.5-112.5	0.1702E-06	0	0- 30	0.3471E-06	90-120	0.3471E-06
15-30.00	0.8376E-04	-7.5 TO 22.5	0.1599E-06	82.5-112.5	0.1576E-06	15	0- 30	0.3371E-06	90-120	0.3336E-06
30-45.00	0.1332E-03	-7.5 TO 22.5	0.1367E-06	82.5-112.5	0.1336E-06	30	0- 30	0.3019E-06	90-120	0.2958E-06
45-60.00	0.1736E-03	-7.5 TO 22.5	0.1035E-06	82.5-112.5	0.1005E-06	45	0- 30	0.2444E-06	90-120	0.2375E-06
60-75.00	0.2022E-03	-7.5 TO 22.5	0.6325E-07	82.5-112.5	0.6104E-07	60	0- 30	0.1695E-06	90-120	0.1635E-06
75-88.97	0.2019E-03	-7.5 TO 22.5	0.2077E-07	82.5-112.5	0.1985E-07	75	0- 30	0.8358E-07	90-120	0.8005E-07
0-15.00	0.4285E-04	-7.5 TO 37.5	0.1713E-06	82.5-127.5	0.1701E-06	0	0- 45	0.5206E-06	90-135	0.5206E-06
15-30.00	0.1256E-03	-7.5 TO 37.5	0.1598E-06	82.5-127.5	0.1573E-06	15	0- 45	0.5054E-06	90-135	0.4998E-06
30-45.00	0.1999E-03	-7.5 TO 37.5	0.1366E-06	82.5-127.5	0.1333E-06	30	0- 45	0.4525E-06	90-135	0.4429E-06
45-60.00	0.2605E-03	-7.5 TO 37.5	0.1034E-06	82.5-127.5	0.1002E-06	45	0- 45	0.3662E-06	90-135	0.3552E-06
60-75.00	0.3033E-03	-7.5 TO 37.5	0.6317E-07	82.5-127.5	0.6079E-07	60	0- 45	0.2539E-06	90-135	0.2444E-06
75-88.97	0.3029E-03	-7.5 TO 37.5	0.2074E-07	82.5-127.5	0.1975E-07	75	0- 45	0.1251E-06	90-135	0.1196E-06
0-15.00	0.5714E-04	-7.5 TO 52.5	0.1712E-06	82.5-142.5	0.1700E-06	0	0- 60	0.6942E-06	90-150	0.6942E-06
15-30.00	0.1675E-03	-7.5 TO 52.5	0.1597E-06	82.5-142.5	0.1571E-06	15	0- 60	0.6734E-06	90-150	0.6658E-06
30-45.00	0.2665E-03	-7.5 TO 52.5	0.1364E-06	82.5-142.5	0.1330E-06	30	0- 60	0.6025E-06	90-150	0.5895E-06
45-60.00	0.3473E-03	-7.5 TO 52.5	0.1033E-06	82.5-142.5	0.9987E-07	45	0- 60	0.4874E-06	90-150	0.4724E-06
60-75.00	0.4044E-03	-7.5 TO 52.5	0.6306E-07	82.5-142.5	0.6057E-07	60	0- 60	0.3378E-06	90-150	0.3249E-06
75-88.97	0.4038E-03	-7.5 TO 52.5	0.2069E-07	82.5-142.5	0.1966E-07	75	0- 60	0.1664E-06	90-150	0.1588E-06
0-15.00	0.7142E-04	-7.5 TO 67.5	0.1711E-06	82.5-157.5	0.1699E-06	0	0- 75	0.8677E-06	90-165	0.8677E-06
15-30.00	0.2094E-03	-7.5 TO 67.5	0.1595E-06	82.5-157.5	0.1569E-06	15	0- 75	0.8411E-06	90-165	0.8316E-06
30-45.00	0.3331E-03	-7.5 TO 67.5	0.1362E-06	82.5-157.5	0.1327E-06	30	0- 75	0.7521E-06	90-165	0.7358E-06
45-60.00	0.4341E-03	-7.5 TO 67.5	0.1030E-06	82.5-157.5	0.9960E-07	45	0- 75	0.6079E-06	90-165	0.5893E-06
60-75.00	0.5055E-03	-7.5 TO 67.5	0.6290E-07	82.5-157.5	0.6038E-07	60	0- 75	0.4211E-06	90-165	0.4050E-06
75-88.97	0.5048E-03	-7.5 TO 67.5	0.2062E-07	82.5-157.5	0.1958E-07	75	0- 75	0.2074E-06	90-165	0.1979E-06
0-15.00	0.8571E-04	-7.5 TO 82.5	0.1710E-06	82.5-172.5	0.1698E-06	0	0- 90	0.1041E-05	90-180	0.1041E-05
15-30.00	0.2513E-03	-7.5 TO 82.5	0.1593E-06	82.5-172.5	0.1567E-06	15	0- 90	0.1008E-05	90-180	0.9973E-06
30-45.00	0.3997E-03	-7.5 TO 82.5	0.1359E-06	82.5-172.5	0.1325E-06	30	0- 90	0.9009E-06	90-180	0.8819E-06
45-60.00	0.5209E-03	-7.5 TO 82.5	0.1028E-06	82.5-172.5	0.9938E-07	45	0- 90	0.7278E-06	90-180	0.7059E-06
60-75.00	0.6066E-03	-7.5 TO 82.5	0.6272E-07	82.5-172.5	0.6021E-07	60	0- 90	0.5038E-06	90-180	0.4850E-06
75-88.97	0.6057E-03	-7.5 TO 82.5	0.2055E-07	82.5-172.5	0.1951E-07	75	0- 90	0.2479E-06	90-180	0.2369E-06
0-15.00	0.9599E-04	-7.5 TO 97.5	0.1709E-06	82.5-187.5	0.1697E-06	0	0-105	0.1215E-05	90-195	0.1215E-05
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1591E-06	82.5-187.5	0.1566E-06	15	0-105	0.1175E-05	90-195	0.1163E-05
30-45.00	0.4663E-03	-7.5 TO 97.5	0.1357E-06	82.5-187.5	0.1323E-06	30	0-105	0.1049E-05	90-195	0.1028E-05
45-60.00	0.6078E-03	-7.5 TO 97.5	0.1025E-06	82.5-187.5	0.9921E-07	45	0-105	0.8469E-06	90-195	0.8226E-06
60-75.00	0.7077E-03	-7.5 TO 97.5	0.6252E-07	82.5-187.5	0.6009E-07	60	0-105	0.5859E-06	90-195	0.5650E-06
75-88.97	0.7067E-03	-7.5 TO 97.5	0.2046E-07	82.5-187.5	0.1946E-07	75	0-105	0.2882E-06	90-195	0.2759E-06

$r_2/r_1 = 0.10$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0099$ $\cosh \mu_2 = 249.9010$ $\alpha_{2,max} = 91.03$ $\theta_{2,min} = 88.74$

0-15.00	0.1428E-04	-7.5 TO 7.5	0.1713E-06	82.5- 97.5	0.1703E-06	0	0- 15	0.1735E-06	90-105	0.1735E-06
15-30.00	0.4188E-04	-7.5 TO 7.5	0.1599E-06	82.5- 97.5	0.1578E-06	15	0- 15	0.1686E-06	90-105	0.1670E-06
30-45.00	0.6662E-04	-7.5 TO 7.5	0.1367E-06	82.5- 97.5	0.1340E-06	30	0- 15	0.1510E-06	90-105	0.1482E-06
45-60.00	0.8682E-04	-7.5 TO 7.5	0.1036E-06	82.5- 97.5	0.1009E-06	45	0- 15	0.1223E-06	90-105	0.1191E-06
60-75.00	0.1011E-03	-7.5 TO 7.5	0.6330E-07	82.5- 97.5	0.6129E-07	60	0- 15	0.8487E-07	90-105	0.8207E-07
75-88.97	0.1010E-03	-7.5 TO 7.5	0.2079E-07	82.5- 97.5	0.1996E-07	75	0- 15	0.4185E-07	90-105	0.4020E-07
0-15.00	0.2857E-04	-7.5 TO 22.5	0.1713E-06	82.5-112.5	0.1702E-06	0	0- 30	0.3471E-06	90-120	0.3471E-06
15-30.00	0.8376E-04	-7.5 TO 22.5	0.1599E-06	82.5-112.5	0.1576E-06	15	0- 30	0.3371E-06	90-120	0.3336E-06
30-45.00	0.1332E-03	-7.5 TO 22.5	0.1367E-06	82.5-112.5	0.1336E-06	30	0- 30	0.3019E-06	90-120	0.2958E-06
45-60.00	0.1736E-03	-7.5 TO 22.5	0.1035E-06	82.5-112.5	0.1005E-06	45	0- 30	0.2445E-06	90-120	0.2375E-06
60-75.00	0.2022E-03	-7.5 TO 22.5	0.6327E-07	82.5-112.5	0.6104E-07	60	0- 30	0.1696E-06	90-120	0.1635E-06
75-88.97	0.2019E-03	-7.5 TO 22.5	0.2078E-07	82.5-112.5	0.1985E-07	75	0- 30	0.8361E-07	90-120	0.8005E-07
0-15.00	0.4285E-04	-7.5 TO 37.5	0.1713E-06	82.5-127.5	0.1701E-06	0	0- 45	0.5206E-06	90-135	0.5206E-06
15-30.00	0.1256E-03	-7.5 TO 37.5	0.1598E-06	82.5-127.5	0.1573E-06	15	0- 45	0.5054E-06	90-135	0.4998E-06
30-45.00	0.1999E-03	-7.5 TO 37.5	0.1366E-06	82.5-127.5	0.1333E-06	30	0- 45	0.4525E-06	90-135	0.4429E-06
45-60.00	0.2605E-03	-7.5 TO 37.5	0.1034E-06	82.5-127.5	0.1002E-06	45	0- 45	0.3662E-06	90-135	0.3552E-06
60-75.00	0.3033E-03	-7.5 TO 37.5	0.6319E-07	82.5-127.5	0.6079E-07	60	0- 45	0.2539E-06	90-135	0.2444E-06
75-88.97	0.3029E-03	-7.5 TO 37.5	0.2074E-07	82.5-127.5	0.1975E-07	75	0- 45	0.1252E-06	90-135	0.1196E-06
0-15.00	0.5714E-04	-7.5 TO 52.5	0.1712E-06	82.5-142.5	0.1700E-06	0	0- 60	0.6942E-06	90-150	0.6942E-06
15-30.00	0.1675E-03	-7.5 TO 52.5	0.1597E-06	82.5-142.5	0.1571E-06	15	0- 60	0.6734E-06	90-150	0.6658E-06
30-45.00	0.2665E-03	-7.5 TO 52.5	0.1364E-06	82.5-142.5	0.1330E-06	30	0- 60	0.6026E-06	90-150	0.5895E-06
45-60.00	0.3473E-03	-7.5 TO 52.5	0.1033E-06	82.5-142.5	0.9987E-07	45	0- 60	0.4874E-06	90-150	0.4724E-06
60-75.00	0.4044E-03	-7.5 TO 52.5	0.6307E-07	82.5-142.5	0.6057E-07	60	0- 60	0.3378E-06	90-150	0.3249E-06
75-88.97	0.4038E-03	-7.5 TO 52.5	0.2069E-07	82.5-142.5	0.1966E-07	75	0- 60	0.1665E-06	90-150	0.1588E-06
0-15.00	0.7142E-04	-7.5 TO 67.5	0.1711E-06	82.5-157.5	0.1699E-06	0	0- 75	0.8677E-06	90-165	0.8677E-06
15-30.00	0.2094E-03	-7.5 TO 67.5	0.1595E-06	82.5-157.5	0.1569E-06	15	0- 75	0.8411E-06	90-165	0.8316E-06
30-45.00	0.3331E-03	-7.5 TO 67.5	0.1362E-06	82.5-157.5	0.1327E-06	30	0- 75	0.7521E-06	90-165	0.7358E-06
45-60.00	0.4341E-03	-7.5 TO 67.5	0.1031E-06	82.5-157.5	0.9960E-07	45	0- 75	0.6080E-06	90-165	0.5893E-06
60-75.00	0.5055E-03	-7.5 TO 67.5	0.6291E-07	82.5-157.5	0.6038E-07	60	0- 75	0.4212E-06	90-165	0.4050E-06
75-88.97	0.5048E-03	-7.5 TO 67.5	0.2063E-07	82.5-157.5	0.1958E-07	75	0- 75	0.2074E-06	90-165	0.1979E-06
0-15.00	0.8571E-04	-7.5 TO 82.5	0.1710E-06	82.5-172.5	0.1698E-06	0	0- 90	0.1041E-05	90-180	0.1041E-05
15-30.00	0.2513E-03	-7.5 TO 82.5	0.1593E-06	82.5-172.5	0.1567E-06	15	0- 90	0.1008E-05	90-180	0.9973E-06
30-45.00	0.3997E-03	-7.5 TO 82.5	0.1359E-06	82.5-172.5	0.1325E-06	30	0- 90	0.9010E-06	90-180	0.8819E-06
45-60.00	0.5209E-03	-7.5 TO 82.5	0.1028E-06	82.5-172.5	0.9938E-07	45	0- 90	0.7278E-06	90-180	0.7059E-06
60-75.00	0.6066E-03	-7.5 TO 82.5	0.6273E-07	82.5-172.5	0.6021E-07	60	0- 90	0.5039E-06	90-180	0.4850E-06
75-88.97	0.6057E-03	-7.5 TO 82.5	0.2055E-07	82.5-172.5	0.1951E-07	75	0- 90	0.2480E-06	90-180	0.2369E-06
0-15.00	0.9599E-04	-7.5 TO 97.5	0.1709E-06	82.5-187.5	0.1697E-06	0	0-105	0.1215E-05	90-195	0.1215E-05
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1591E-06	82.5-187.5	0.1566E-06	15	0-105	0.1175E-05	90-195	0.1163E-05
30-45.00	0.4663E-03	-7.5 TO 97.5	0.1357E-06	82.5-187.5	0.1323E-06	30	0-105	0.1049E-05	90-195	0.1028E-05
45-60.00	0.6078E-03	-7.5 TO 97.5	0.1025E-06	82.5-187.5	0.9921E-07	45	0-105	0.8469E-06	90-195	0.8226E-06
60-75.00	0.7077E-03	-7.5 TO 97.5	0.6252E-07	82.5-187.5	0.6009E-07	60	0-105	0.5860E-06	90-195	0.5650E-06
75-88.97	0.7067E-03	-7.5 TO 97.5	0.2047E-07	82.5-187.5	0.1946E-07	75	0-105	0.2882E-06	90-195	0.2759E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

r_2/r_1 = 0.10 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0049 $\cosh \mu_2$ = 499.9505 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 164.97

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.2804E-08	82.5- 97.5	0.2803E-08	0	0- 15	0.2853E-08	90-105	0.2853E-08
15-30.00	0.1046E-04	-7.5 TO 7.5	0.2607E-08	82.5- 97.5	0.2605E-08	15	0- 15	0.2754E-08	90-105	0.2752E-08
30-45.00	0.1665E-04	-7.5 TO 7.5	0.2227E-08	82.5- 97.5	0.2224E-08	30	0- 15	0.2460E-08	90-105	0.2457E-08
45-60.00	0.2169E-04	-7.5 TO 7.5	0.1693E-08	82.5- 97.5	0.1690E-08	45	0- 15	0.1994E-08	90-105	0.1991E-08
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1047E-08	82.5- 97.5	0.1045E-08	60	0- 15	0.1393E-08	90-105	0.1391E-08
75-89.48	0.2617E-04	-7.5 TO 7.5	0.3495E-09	82.5- 97.5	0.3485E-09	75	0- 15	0.7028E-09	90-105	0.7009E-09
0-15.00	0.7138E-05	-7.5 TO 22.5	0.2804E-08	82.5-112.5	0.2803E-08	0	0- 30	0.5707E-08	90-120	0.5707E-08
15-30.00	0.2093E-04	-7.5 TO 22.5	0.2607E-08	82.5-112.5	0.2604E-08	15	0- 30	0.5507E-08	90-120	0.5504E-08
30-45.00	0.3329E-04	-7.5 TO 22.5	0.2226E-08	82.5-112.5	0.2223E-08	30	0- 30	0.4919E-08	90-120	0.4913E-08
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1693E-08	82.5-112.5	0.1690E-08	45	0- 30	0.3988E-08	90-120	0.3981E-08
60-75.00	0.5052E-04	-7.5 TO 22.5	0.1047E-08	82.5-112.5	0.1045E-08	60	0- 30	0.2787E-08	90-120	0.2780E-08
75-89.48	0.5233E-04	-7.5 TO 22.5	0.3495E-09	82.5-112.5	0.3484E-09	75	0- 30	0.1405E-08	90-120	0.1401E-08
0-15.00	0.1071E-04	-7.5 TO 37.5	0.2804E-08	82.5-127.5	0.2803E-08	0	0- 45	0.8560E-08	90-135	0.8560E-08
15-30.00	0.3139E-04	-7.5 TO 37.5	0.2606E-08	82.5-127.5	0.2604E-08	15	0- 45	0.8261E-08	90-135	0.8255E-08
30-45.00	0.4994E-04	-7.5 TO 37.5	0.2226E-08	82.5-127.5	0.2223E-08	30	0- 45	0.7378E-08	90-135	0.7369E-08
45-60.00	0.6508E-04	-7.5 TO 37.5	0.1693E-08	82.5-127.5	0.1690E-08	45	0- 45	0.5981E-08	90-135	0.5971E-08
60-75.00	0.7578E-04	-7.5 TO 37.5	0.1047E-08	82.5-127.5	0.1045E-08	60	0- 45	0.4179E-08	90-135	0.4170E-08
75-89.48	0.7850E-04	-7.5 TO 37.5	0.3495E-09	82.5-127.5	0.3482E-09	75	0- 45	0.2108E-08	90-135	0.2101E-08
0-15.00	0.1428E-04	-7.5 TO 52.5	0.2804E-08	82.5-142.5	0.2802E-08	0	0- 60	0.1141E-07	90-150	0.1141E-07
15-30.00	0.4185E-04	-7.5 TO 52.5	0.2606E-08	82.5-142.5	0.2604E-08	15	0- 60	0.1101E-07	90-150	0.1101E-07
30-45.00	0.6658E-04	-7.5 TO 52.5	0.2226E-08	82.5-142.5	0.2223E-08	30	0- 60	0.9836E-08	90-150	0.9824E-08
45-60.00	0.8677E-04	-7.5 TO 52.5	0.1693E-08	82.5-142.5	0.1689E-08	45	0- 60	0.7974E-08	90-150	0.7960E-08
60-75.00	0.1010E-03	-7.5 TO 52.5	0.1047E-08	82.5-142.5	0.1044E-08	60	0- 60	0.5572E-08	90-150	0.5558E-08
75-89.48	0.1047E-03	-7.5 TO 52.5	0.3494E-09	82.5-142.5	0.3481E-09	75	0- 60	0.2810E-08	90-150	0.2801E-08
0-15.00	0.1784E-04	-7.5 TO 67.5	0.2804E-08	82.5-157.5	0.2802E-08	0	0- 75	0.1427E-07	90-165	0.1427E-07
15-30.00	0.5232E-04	-7.5 TO 67.5	0.2606E-08	82.5-157.5	0.2604E-08	15	0- 75	0.1377E-07	90-165	0.1376E-07
30-45.00	0.8323E-04	-7.5 TO 67.5	0.2226E-08	82.5-157.5	0.2223E-08	30	0- 75	0.1229E-07	90-165	0.1228E-07
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1693E-08	82.5-157.5	0.1689E-08	45	0- 75	0.9967E-08	90-165	0.9948E-08
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1047E-08	82.5-157.5	0.1044E-08	60	0- 75	0.6964E-08	90-165	0.6947E-08
75-89.48	0.1308E-03	-7.5 TO 67.5	0.3493E-09	82.5-157.5	0.3480E-09	75	0- 75	0.3512E-08	90-165	0.3501E-08
0-15.00	0.2141E-04	-7.5 TO 82.5	0.2803E-08	82.5-172.5	0.2802E-08	0	0- 90	0.1712E-07	90-180	0.1712E-07
15-30.00	0.6278E-04	-7.5 TO 82.5	0.2606E-08	82.5-172.5	0.2603E-08	15	0- 90	0.1652E-07	90-180	0.1651E-07
30-45.00	0.9987E-04	-7.5 TO 82.5	0.2226E-08	82.5-172.5	0.2222E-08	30	0- 90	0.1475E-07	90-180	0.1473E-07
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1692E-08	82.5-172.5	0.1689E-08	45	0- 90	0.1196E-07	90-180	0.1194E-07
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1047E-08	82.5-172.5	0.1044E-08	60	0- 90	0.8355E-08	90-180	0.8335E-08
75-89.48	0.1570E-03	-7.5 TO 82.5	0.3492E-09	82.5-172.5	0.3479E-09	75	0- 90	0.4213E-08	90-180	0.4200E-08
0-15.00	0.2498E-04	-7.5 TO 97.5	0.2803E-08	82.5-187.5	0.2802E-08	0	0-105	0.1997E-07	90-195	0.1997E-07
15-30.00	0.7325E-04	-7.5 TO 97.5	0.2606E-08	82.5-187.5	0.2603E-08	15	0-105	0.1927E-07	90-195	0.1926E-07
30-45.00	0.1165E-03	-7.5 TO 97.5	0.2225E-08	82.5-187.5	0.2222E-08	30	0-105	0.1721E-07	90-195	0.1719E-07
45-60.00	0.1518E-03	-7.5 TO 97.5	0.1692E-08	82.5-187.5	0.1689E-08	45	0-105	0.1395E-07	90-195	0.1392E-07
60-75.00	0.1768E-03	-7.5 TO 97.5	0.1046E-08	82.5-187.5	0.1044E-08	60	0-105	0.9745E-08	90-195	0.9724E-08
75-89.48	0.1832E-03	-7.5 TO 97.5	0.3491E-09	82.5-187.5	0.3479E-09	75	0-105	0.4914E-08	90-195	0.4900E-08

r_2/r_1 = 0.10 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0049 $\cosh \mu_2$ = 499.9505 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 149.94

0-15.00	0.3569E-05	-7.5 TO 7.5	0.1047E-07	82.5- 97.5	0.1046E-07	0	0- 15	0.1065E-07	90-105	0.1065E-07
15-30.00	0.1046E-04	-7.5 TO 7.5	0.9734E-08	82.5- 97.5	0.9718E-08	15	0- 15	0.1028E-07	90-105	0.1027E-07
30-45.00	0.1665E-04	-7.5 TO 7.5	0.8318E-08	82.5- 97.5	0.8298E-08	30	0- 15	0.9187E-08	90-105	0.9166E-08
45-60.00	0.2169E-04	-7.5 TO 7.5	0.6328E-08	82.5- 97.5	0.6307E-08	45	0- 15	0.7451E-08	90-105	0.7427E-08
60-75.00	0.2526E-04	-7.5 TO 7.5	0.3916E-08	82.5- 97.5	0.3900E-08	60	0- 15	0.5209E-08	90-105	0.5187E-08
75-89.48	0.2617E-04	-7.5 TO 7.5	0.1308E-08	82.5- 97.5	0.1300E-08	75	0- 15	0.2629E-08	90-105	0.2614E-08
0-15.00	0.7138E-05	-7.5 TO 22.5	0.1047E-07	82.5-112.5	0.1046E-07	0	0- 30	0.2129E-07	90-120	0.2129E-07
15-30.00	0.2093E-04	-7.5 TO 22.5	0.9733E-08	82.5-112.5	0.9716E-08	15	0- 30	0.2056E-07	90-120	0.2053E-07
30-45.00	0.3329E-04	-7.5 TO 22.5	0.8318E-08	82.5-112.5	0.8295E-08	30	0- 30	0.1837E-07	90-120	0.1833E-07
45-60.00	0.4339E-04	-7.5 TO 22.5	0.6328E-08	82.5-112.5	0.6305E-08	45	0- 30	0.1490E-07	90-120	0.1485E-07
60-75.00	0.5052E-04	-7.5 TO 22.5	0.3916E-08	82.5-112.5	0.3898E-08	60	0- 30	0.1042E-07	90-120	0.1037E-07
75-89.48	0.5233E-04	-7.5 TO 22.5	0.1308E-08	82.5-112.5	0.1299E-08	75	0- 30	0.5256E-08	90-120	0.5226E-08
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1046E-07	82.5-127.5	0.1046E-07	0	0- 45	0.3194E-07	90-135	0.3194E-07
15-30.00	0.3139E-04	-7.5 TO 37.5	0.9733E-08	82.5-127.5	0.9714E-08	15	0- 45	0.3084E-07	90-135	0.3080E-07
30-45.00	0.4994E-04	-7.5 TO 37.5	0.8317E-08	82.5-127.5	0.8292E-08	30	0- 45	0.2755E-07	90-135	0.2748E-07
45-60.00	0.6508E-04	-7.5 TO 37.5	0.6327E-08	82.5-127.5	0.6302E-08	45	0- 45	0.2235E-07	90-135	0.2227E-07
60-75.00	0.7578E-04	-7.5 TO 37.5	0.3915E-08	82.5-127.5	0.3896E-08	60	0- 45	0.1562E-07	90-135	0.1555E-07
75-89.48	0.7850E-04	-7.5 TO 37.5	0.1308E-08	82.5-127.5	0.1298E-08	75	0- 45	0.7882E-08	90-135	0.7834E-08
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1046E-07	82.5-142.5	0.1046E-07	0	0- 60	0.4259E-07	90-150	0.4259E-07
15-30.00	0.4185E-04	-7.5 TO 52.5	0.9732E-08	82.5-142.5	0.9713E-08	15	0- 60	0.4111E-07	90-150	0.4106E-07
30-45.00	0.6658E-04	-7.5 TO 52.5	0.8316E-08	82.5-142.5	0.8290E-08	30	0- 60	0.3673E-07	90-150	0.3664E-07
45-60.00	0.8677E-04	-7.5 TO 52.5	0.6326E-08	82.5-142.5	0.6300E-08	45	0- 60	0.2979E-07	90-150	0.2968E-07
60-75.00	0.1010E-03	-7.5 TO 52.5	0.3914E-08	82.5-142.5	0.3894E-08	60	0- 60	0.2082E-07	90-150	0.2072E-07
75-89.48	0.1047E-03	-7.5 TO 52.5	0.1307E-08	82.5-142.5	0.1298E-08	75	0- 60	0.1051E-07	90-150	0.1044E-07
0-15.00	0.1784E-04	-7.5 TO 67.5	0.1046E-07	82.5-157.5	0.1045E-07	0	0- 75	0.5323E-07	90-165	0.5323E-07
15-30.00	0.5232E-04	-7.5 TO 67.5	0.9731E-08	82.5-157.5	0.9711E-08	15	0- 75	0.5139E-07	90-165	0.5132E-07
30-45.00	0.8323E-04	-7.5 TO 67.5	0.8314E-08	82.5-157.5	0.8288E-08	30	0- 75	0.4591E-07	90-165	0.4579E-07
45-60.00	0.1085E-03	-7.5 TO 67.5	0.6324E-08	82.5-157.5	0.6298E-08	45	0- 75	0.3723E-07	90-165	0.3709E-07
60-75.00	0.1263E-03	-7.5 TO 67.5	0.3913E-08	82.5-157.5	0.3892E-08	60	0- 75	0.2602E-07	90-165	0.2589E-07
75-89.48	0.1308E-03	-7.5 TO 67.5	0.1307E-08	82.5-157.5	0.1297E-08	75	0- 75	0.1313E-07	90-165	0.1304E-07
0-15.00	0.2141E-04	-7.5 TO 82.5	0.1046E-07	82.5-172.5	0.1045E-07	0	0- 90	0.6388E-07	90-180	0.6388E-07
15-30.00	0.6278E-04	-7.5 TO 82.5	0.9729E-08	82.5-172.5	0.9710E-08	15	0- 90	0.6166E-07	90-180	0.6158E-07
30-45.00	0.9987E-04	-7.5 TO 82.5	0.8312E-08	82.5-172.5	0.8286E-08	30	0- 90	0.5508E-07	90-180	0.5494E-07
45-60.00	0.1302E-03	-7.5 TO 82.5	0.6322E-08	82.5-172.5	0.6296E-08	45	0- 90	0.4466E-07	90-180	0.4450E-07
60-75.00	0.1516E-03	-7.5 TO 82.5	0.3911E-08	82.5-172.5	0.3891E-08	60	0- 90	0.3121E-07	90-180	0.3106E-07
75-89.48	0.1570E-03	-7.5 TO 82.5	0.1306E-08	82.5-172.5	0.1296E-08	75	0- 90	0.1574E-07	90-180	0.1565E-07
0-15.00	0.2498E-04	-7.5 TO 97.5	0.1046E-07	82.5-187.5	0.1045E-07	0	0-105	0.7453E-07	90-195	0.7453E-07
15-30.00	0.7325E-04	-7.5 TO 97.5	0.9728E-08	82.5-187.5	0.9709E-08	15	0-105	0.7193E-07	90-195	0.7184E-07
30-45.00	0.1165E-03	-7.5 TO 97.5	0.8310E-08	82.5-187.5	0.8285E-08	30	0-105	0.6425E-07	90-195	0.6409E-07
45-60.00	0.1518E-03	-7.5 TO 97.5	0.6320E-08	82.5-187.5	0.6295E-08	45	0-105	0.5209E-07	90-195	0.5190E-07
60-75.00	0.1768E-03	-7.5 TO 97.5	0.3910E-08	82.5-187.5	0.3890E-08	60	0-105	0.3640E-07	90-195	0.3623E-07
75-89.48	0.1832E-03	-7.5 TO 97.5	0.1305E-08	82.5-187.5	0.1296E-08	75	0-105	0.1836E-07	90-195	0.1825E-07

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

r_2/r_1 = 0.10 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0049 $\cosh \mu_2$ = 499.9505 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 134.92

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.2093E-07	82.5- 97.5	0.2091E-07	0	0- 15	0.2129E-07	90-105	0.2129E-07
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1948E-07	82.5- 97.5	0.1943E-07	15	0- 15	0.2057E-07	90-105	0.2053E-07
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1665E-07	82.5- 97.5	0.1659E-07	30	0- 15	0.1839E-07	90-105	0.1832E-07
45-60.00	0.2169E-04	-7.5 TO 7.5	0.1268E-07	82.5- 97.5	0.1261E-07	45	0- 15	0.1492E-07	90-105	0.1485E-07
60-75.00	0.2526E-04	-7.5 TO 7.5	0.7847E-08	82.5- 97.5	0.7797E-08	60	0- 15	0.1044E-07	90-105	0.1037E-07
75-89.48	0.2617E-04	-7.5 TO 7.5	0.2623E-08	82.5- 97.5	0.2600E-08	75	0- 15	0.5269E-08	90-105	0.5225E-08
0-15.00	0.7138E-05	-7.5 TO 22.5	0.2093E-07	82.5-112.5	0.2091E-07	0	0- 30	0.4257E-07	90-120	0.4257E-07
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1948E-07	82.5-112.5	0.1942E-07	15	0- 30	0.4113E-07	90-120	0.4105E-07
30-45.00	0.3329E-04	-7.5 TO 22.5	0.1665E-07	82.5-112.5	0.1658E-07	30	0- 30	0.3677E-07	90-120	0.3663E-07
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1267E-07	82.5-112.5	0.1260E-07	45	0- 30	0.2984E-07	90-120	0.2968E-07
60-75.00	0.5052E-04	-7.5 TO 22.5	0.7846E-08	82.5-112.5	0.7791E-08	60	0- 30	0.2087E-07	90-120	0.2072E-07
75-89.48	0.5233E-04	-7.5 TO 22.5	0.2623E-08	82.5-112.5	0.2597E-08	75	0- 30	0.1053E-07	90-120	0.1044E-07
0-15.00	0.1071E-04	-7.5 TO 37.5	0.2093E-07	82.5-127.5	0.2090E-07	0	0- 45	0.6386E-07	90-135	0.6386E-07
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1948E-07	82.5-127.5	0.1942E-07	15	0- 45	0.6169E-07	90-135	0.6156E-07
30-45.00	0.4994E-04	-7.5 TO 37.5	0.1665E-07	82.5-127.5	0.1657E-07	30	0- 45	0.5515E-07	90-135	0.5493E-07
45-60.00	0.6508E-04	-7.5 TO 37.5	0.1267E-07	82.5-127.5	0.1259E-07	45	0- 45	0.4475E-07	90-135	0.4449E-07
60-75.00	0.7578E-04	-7.5 TO 37.5	0.7844E-08	82.5-127.5	0.7784E-08	60	0- 45	0.3129E-07	90-135	0.3106E-07
75-89.48	0.7850E-04	-7.5 TO 37.5	0.2622E-08	82.5-127.5	0.2594E-08	75	0- 45	0.1580E-07	90-135	0.1565E-07
0-15.00	0.1428E-04	-7.5 TO 52.5	0.2093E-07	82.5-142.5	0.2090E-07	0	0- 60	0.8515E-07	90-150	0.8515E-07
15-30.00	0.4185E-04	-7.5 TO 52.5	0.1947E-07	82.5-142.5	0.1941E-07	15	0- 60	0.8224E-07	90-150	0.8207E-07
30-45.00	0.6658E-04	-7.5 TO 52.5	0.1665E-07	82.5-142.5	0.1657E-07	30	0- 60	0.7351E-07	90-150	0.7321E-07
45-60.00	0.8677E-04	-7.5 TO 52.5	0.1267E-07	82.5-142.5	0.1259E-07	45	0- 60	0.5964E-07	90-150	0.5929E-07
60-75.00	0.1010E-03	-7.5 TO 52.5	0.7841E-08	82.5-142.5	0.7779E-08	60	0- 60	0.4170E-07	90-150	0.4139E-07
75-89.48	0.1047E-03	-7.5 TO 52.5	0.2621E-08	82.5-142.5	0.2591E-08	75	0- 60	0.2105E-07	90-150	0.2085E-07
0-15.00	0.1784E-04	-7.5 TO 67.5	0.2093E-07	82.5-157.5	0.2090E-07	0	0- 75	0.1064E-06	90-165	0.1064E-06
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1947E-07	82.5-157.5	0.1941E-07	15	0- 75	0.1028E-06	90-165	0.1026E-06
30-45.00	0.8323E-04	-7.5 TO 67.5	0.1664E-07	82.5-157.5	0.1656E-07	30	0- 75	0.9187E-07	90-165	0.9149E-07
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1266E-07	82.5-157.5	0.1258E-07	45	0- 75	0.7453E-07	90-165	0.7408E-07
60-75.00	0.1263E-03	-7.5 TO 67.5	0.7837E-08	82.5-157.5	0.7774E-08	60	0- 75	0.5210E-07	90-165	0.5171E-07
75-89.48	0.1308E-03	-7.5 TO 67.5	0.2619E-08	82.5-157.5	0.2589E-08	75	0- 75	0.2629E-07	90-165	0.2604E-07
0-15.00	0.2141E-04	-7.5 TO 82.5	0.2093E-07	82.5-172.5	0.2090E-07	0	0- 90	0.1277E-06	90-180	0.1277E-06
15-30.00	0.6278E-04	-7.5 TO 82.5	0.1946E-07	82.5-172.5	0.1940E-07	15	0- 90	0.1233E-06	90-180	0.1231E-06
30-45.00	0.9987E-04	-7.5 TO 82.5	0.1664E-07	82.5-172.5	0.1655E-07	30	0- 90	0.1102E-06	90-180	0.1098E-06
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1266E-07	82.5-172.5	0.1258E-07	45	0- 90	0.8939E-07	90-180	0.8887E-07
60-75.00	0.1516E-03	-7.5 TO 82.5	0.7833E-08	82.5-172.5	0.7770E-08	60	0- 90	0.6249E-07	90-180	0.6203E-07
75-89.48	0.1570E-03	-7.5 TO 82.5	0.2617E-08	82.5-172.5	0.2587E-08	75	0- 90	0.3153E-07	90-180	0.3124E-07
0-15.00	0.2498E-04	-7.5 TO 97.5	0.2092E-07	82.5-187.5	0.2090E-07	0	0-105	0.1490E-06	90-195	0.1490E-06
15-30.00	0.7325E-04	-7.5 TO 97.5	0.1946E-07	82.5-187.5	0.1940E-07	15	0-105	0.1439E-06	90-195	0.1436E-06
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1663E-07	82.5-187.5	0.1655E-07	30	0-105	0.1285E-06	90-195	0.1280E-06
45-60.00	0.1518E-03	-7.5 TO 97.5	0.1265E-07	82.5-187.5	0.1257E-07	45	0-105	0.1042E-06	90-195	0.1037E-06
60-75.00	0.1768E-03	-7.5 TO 97.5	0.7828E-08	82.5-187.5	0.7766E-08	60	0-105	0.7286E-07	90-195	0.7234E-07
75-89.48	0.1832E-03	-7.5 TO 97.5	0.2614E-08	82.5-187.5	0.2586E-08	75	0-105	0.3676E-07	90-195	0.3643E-07

r_2/r_1 = 0.10 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0049 $\cosh \mu_2$ = 499.9505 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 119.90

0-15.00	0.3569E-05	-7.5 TO 7.5	0.3140E-07	82.5- 97.5	0.3135E-07	0	0- 15	0.3192E-07	90-105	0.3192E-07
15-30.00	0.1046E-04	-7.5 TO 7.5	0.2923E-07	82.5- 97.5	0.2913E-07	15	0- 15	0.3086E-07	90-105	0.3078E-07
30-45.00	0.1665E-04	-7.5 TO 7.5	0.2501E-07	82.5- 97.5	0.2487E-07	30	0- 15	0.2761E-07	90-105	0.2747E-07
45-60.00	0.2169E-04	-7.5 TO 7.5	0.1905E-07	82.5- 97.5	0.1891E-07	45	0- 15	0.2242E-07	90-105	0.2225E-07
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1180E-07	82.5- 97.5	0.1169E-07	60	0- 15	0.1568E-07	90-105	0.1554E-07
75-89.48	0.2617E-04	-7.5 TO 7.5	0.3946E-08	82.5- 97.5	0.3898E-08	75	0- 15	0.7922E-08	90-105	0.7832E-08
0-15.00	0.7138E-05	-7.5 TO 22.5	0.3140E-07	82.5-112.5	0.3134E-07	0	0- 30	0.6383E-07	90-120	0.6383E-07
15-30.00	0.2093E-04	-7.5 TO 22.5	0.2923E-07	82.5-112.5	0.2912E-07	15	0- 30	0.6171E-07	90-120	0.6154E-07
30-45.00	0.3329E-04	-7.5 TO 22.5	0.2501E-07	82.5-112.5	0.2486E-07	30	0- 30	0.5520E-07	90-120	0.5491E-07
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1904E-07	82.5-112.5	0.1889E-07	45	0- 30	0.4482E-07	90-120	0.4447E-07
60-75.00	0.5052E-04	-7.5 TO 22.5	0.1179E-07	82.5-112.5	0.1168E-07	60	0- 30	0.3136E-07	90-120	0.3105E-07
75-89.48	0.5233E-04	-7.5 TO 22.5	0.3945E-08	82.5-112.5	0.3892E-08	75	0- 30	0.1584E-07	90-120	0.1564E-07
0-15.00	0.1071E-04	-7.5 TO 37.5	0.3140E-07	82.5-127.5	0.3134E-07	0	0- 45	0.9575E-07	90-135	0.9575E-07
15-30.00	0.3139E-04	-7.5 TO 37.5	0.2923E-07	82.5-127.5	0.2911E-07	15	0- 45	0.9255E-07	90-135	0.9228E-07
30-45.00	0.4994E-04	-7.5 TO 37.5	0.2500E-07	82.5-127.5	0.2484E-07	30	0- 45	0.8279E-07	90-135	0.8231E-07
45-60.00	0.6508E-04	-7.5 TO 37.5	0.1904E-07	82.5-127.5	0.1887E-07	45	0- 45	0.6721E-07	90-135	0.6666E-07
60-75.00	0.7578E-04	-7.5 TO 37.5	0.1179E-07	82.5-127.5	0.1166E-07	60	0- 45	0.4702E-07	90-135	0.4653E-07
75-89.48	0.7850E-04	-7.5 TO 37.5	0.3943E-08	82.5-127.5	0.3886E-08	75	0- 45	0.2374E-07	90-135	0.2344E-07
0-15.00	0.1428E-04	-7.5 TO 52.5	0.3139E-07	82.5-142.5	0.3133E-07	0	0- 60	0.1277E-06	90-150	0.1277E-06
15-30.00	0.4185E-04	-7.5 TO 52.5	0.2922E-07	82.5-142.5	0.2910E-07	15	0- 60	0.1234E-06	90-150	0.1230E-06
30-45.00	0.6658E-04	-7.5 TO 52.5	0.2500E-07	82.5-142.5	0.2482E-07	30	0- 60	0.1103E-06	90-150	0.1097E-06
45-60.00	0.8677E-04	-7.5 TO 52.5	0.1903E-07	82.5-142.5	0.1886E-07	45	0- 60	0.8957E-07	90-150	0.8882E-07
60-75.00	0.1010E-03	-7.5 TO 52.5	0.1178E-07	82.5-142.5	0.1165E-07	60	0- 60	0.6265E-07	90-150	0.6199E-07
75-89.48	0.1047E-03	-7.5 TO 52.5	0.3941E-08	82.5-142.5	0.3881E-08	75	0- 60	0.3163E-07	90-150	0.3122E-07
0-15.00	0.1784E-04	-7.5 TO 67.5	0.3139E-07	82.5-157.5	0.3133E-07	0	0- 75	0.1596E-06	90-165	0.1596E-06
15-30.00	0.5232E-04	-7.5 TO 67.5	0.2922E-07	82.5-157.5	0.2909E-07	15	0- 75	0.1542E-06	90-165	0.1537E-06
30-45.00	0.8323E-04	-7.5 TO 67.5	0.2498E-07	82.5-157.5	0.2481E-07	30	0- 75	0.1379E-06	90-165	0.1371E-06
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1902E-07	82.5-157.5	0.1884E-07	45	0- 75	0.1119E-06	90-165	0.1110E-06
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1178E-07	82.5-157.5	0.1164E-07	60	0- 75	0.7826E-07	90-165	0.7743E-07
75-89.48	0.1308E-03	-7.5 TO 67.5	0.3937E-08	82.5-157.5	0.3876E-08	75	0- 75	0.3951E-07	90-165	0.3899E-07
0-15.00	0.2141E-04	-7.5 TO 82.5	0.3139E-07	82.5-172.5	0.3132E-07	0	0- 90	0.1915E-06	90-180	0.1915E-06
15-30.00	0.6278E-04	-7.5 TO 82.5	0.2921E-07	82.5-172.5	0.2908E-07	15	0- 90	0.1850E-06	90-180	0.1844E-06
30-45.00	0.9987E-04	-7.5 TO 82.5	0.2497E-07	82.5-172.5	0.2480E-07	30	0- 90	0.1654E-06	90-180	0.1644E-06
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1901E-07	82.5-172.5	0.1883E-07	45	0- 90	0.1342E-06	90-180	0.1331E-06
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1177E-07	82.5-172.5	0.1163E-07	60	0- 90	0.9383E-07	90-180	0.9286E-07
75-89.48	0.1570E-03	-7.5 TO 82.5	0.3932E-08	82.5-172.5	0.3872E-08	75	0- 90	0.4736E-07	90-180	0.4675E-07
0-15.00	0.2498E-04	-7.5 TO 97.5	0.3138E-07	82.5-187.5	0.3132E-07	0	0-105	0.2234E-06	90-195	0.2234E-06
15-30.00	0.7325E-04	-7.5 TO 97.5	0.2920E-07	82.5-187.5	0.2907E-07	15	0-105	0.2158E-06	90-195	0.2152E-06
30-45.00	0.1165E-03	-7.5 TO 97.5	0.2496E-07	82.5-187.5	0.2479E-07	30	0-105	0.1928E-06	90-195	0.1918E-06
45-60.00	0.1518E-03	-7.5 TO 97.5	0.1899E-07	82.5-187.5	0.1882E-07	45	0-105	0.1564E-06	90-195	0.1552E-06
60-75.00	0.1768E-03	-7.5 TO 97.5	0.1175E-07	82.5-187.5	0.1163E-07	60	0-105	0.1094E-06	90-195	0.1083E-06
75-89.48	0.1832E-03	-7.5 TO 97.5	0.3928E-08	82.5-187.5	0.3869E-08	75	0-105	0.5519E-07	90-195	0.5451E-07

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Continued. Radius ratio, r_2/r_1, 0.10

$r_2/r_1 = 0.10$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0049$ $\cosh \mu_2 = 499.9505$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 104.89$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.3906E-07	82.5- 97.5	0.3898E-07	0	0- 15	0.3969E-07	90-105	0.3969E-07
15-30.00	0.1046E-04	-7.5 TO 7.5	0.3640E-07	82.5- 97.5	0.3622E-07	15	0- 15	0.3840E-07	90-105	0.3826E-07
30-45.00	0.1665E-04	-7.5 TO 7.5	0.3116E-07	82.5- 97.5	0.3093E-07	30	0- 15	0.3438E-07	90-105	0.3415E-07
45-60.00	0.2169E-04	-7.5 TO 7.5	0.2374E-07	82.5- 97.5	0.2351E-07	45	0- 15	0.2794E-07	90-105	0.2766E-07
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1471E-07	82.5- 97.5	0.1454E-07	60	0- 15	0.1956E-07	90-105	0.1932E-07
75-89.48	0.2617E-04	-7.5 TO 7.5	0.4924E-08	82.5- 97.5	0.4847E-08	75	0- 15	0.9882E-08	90-105	0.9734E-08
0-15.00	0.7138E-05	-7.5 TO 22.5	0.3906E-07	82.5-112.5	0.3897E-07	0	0- 30	0.7937E-07	90-120	0.7937E-07
15-30.00	0.2093E-04	-7.5 TO 22.5	0.3639E-07	82.5-112.5	0.3620E-07	15	0- 30	0.7679E-07	90-120	0.7650E-07
30-45.00	0.3329E-04	-7.5 TO 22.5	0.3116E-07	82.5-112.5	0.3090E-07	30	0- 30	0.6875E-07	90-120	0.6824E-07
45-60.00	0.4339E-04	-7.5 TO 22.5	0.2374E-07	82.5-112.5	0.2348E-07	45	0- 30	0.5585E-07	90-120	0.5527E-07
60-75.00	0.5052E-04	-7.5 TO 22.5	0.1471E-07	82.5-112.5	0.1451E-07	60	0- 30	0.3910E-07	90-120	0.3858E-07
75-89.48	0.5233E-04	-7.5 TO 22.5	0.4923E-08	82.5-112.5	0.4837E-08	75	0- 30	0.1976E-07	90-120	0.1944E-07
0-15.00	0.1071E-04	-7.5 TO 37.5	0.3906E-07	82.5-127.5	0.3896E-07	0	0- 45	0.1191E-06	90-135	0.1191E-06
15-30.00	0.3139E-04	-7.5 TO 37.5	0.3639E-07	82.5-127.5	0.3618E-07	15	0- 45	0.1152E-06	90-135	0.1147E-06
30-45.00	0.4994E-04	-7.5 TO 37.5	0.3115E-07	82.5-127.5	0.3087E-07	30	0- 45	0.1031E-06	90-135	0.1023E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.2373E-07	82.5-127.5	0.2345E-07	45	0- 45	0.8374E-07	90-135	0.8281E-07
60-75.00	0.7578E-04	-7.5 TO 37.5	0.1470E-07	82.5-127.5	0.1449E-07	60	0- 45	0.5861E-07	90-135	0.5779E-07
75-89.48	0.7850E-04	-7.5 TO 37.5	0.4920E-08	82.5-127.5	0.4828E-08	75	0- 45	0.2961E-07	90-135	0.2911E-07
0-15.00	0.1428E-04	-7.5 TO 52.5	0.3905E-07	82.5-142.5	0.3895E-07	0	0- 60	0.1587E-06	90-150	0.1587E-06
15-30.00	0.4185E-04	-7.5 TO 52.5	0.3638E-07	82.5-142.5	0.3616E-07	15	0- 60	0.1535E-06	90-150	0.1529E-06
30-45.00	0.6658E-04	-7.5 TO 52.5	0.3113E-07	82.5-142.5	0.3084E-07	30	0- 60	0.1374E-06	90-150	0.1363E-06
45-60.00	0.8677E-04	-7.5 TO 52.5	0.2372E-07	82.5-142.5	0.2343E-07	45	0- 60	0.1116E-06	90-150	0.1103E-06
60-75.00	0.1010E-03	-7.5 TO 52.5	0.1469E-07	82.5-142.5	0.1447E-07	60	0- 60	0.7809E-07	90-150	0.7697E-07
75-89.48	0.1047E-03	-7.5 TO 52.5	0.4915E-08	82.5-142.5	0.4819E-08	75	0- 60	0.3944E-07	90-150	0.3875E-07
0-15.00	0.1784E-04	-7.5 TO 67.5	0.3905E-07	82.5-157.5	0.3894E-07	0	0- 75	0.1984E-06	90-165	0.1984E-06
15-30.00	0.5232E-04	-7.5 TO 67.5	0.3636E-07	82.5-157.5	0.3614E-07	15	0- 75	0.1918E-06	90-165	0.1911E-06
30-45.00	0.8323E-04	-7.5 TO 67.5	0.3112E-07	82.5-157.5	0.3082E-07	30	0- 75	0.1716E-06	90-165	0.1703E-06
45-60.00	0.1085E-03	-7.5 TO 67.5	0.2370E-07	82.5-157.5	0.2340E-07	45	0- 75	0.1394E-06	90-165	0.1378E-06
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1468E-07	82.5-157.5	0.1445E-07	60	0- 75	0.9751E-07	90-165	0.9612E-07
75-89.48	0.1308E-03	-7.5 TO 67.5	0.4909E-08	82.5-157.5	0.4812E-08	75	0- 75	0.4924E-07	90-165	0.4838E-07
0-15.00	0.2141E-04	-7.5 TO 82.5	0.3904E-07	82.5-172.5	0.3894E-07	0	0- 90	0.2381E-06	90-180	0.2381E-06
15-30.00	0.6278E-04	-7.5 TO 82.5	0.3635E-07	82.5-172.5	0.3613E-07	15	0- 90	0.2301E-06	90-180	0.2292E-06
30-45.00	0.9987E-04	-7.5 TO 82.5	0.3109E-07	82.5-172.5	0.3080E-07	30	0- 90	0.2058E-06	90-180	0.2042E-06
45-60.00	0.1302E-03	-7.5 TO 82.5	0.2368E-07	82.5-172.5	0.2338E-07	45	0- 90	0.1671E-06	90-180	0.1652E-06
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1466E-07	82.5-172.5	0.1444E-07	60	0- 90	0.1169E-06	90-180	0.1153E-06
75-89.48	0.1570E-03	-7.5 TO 82.5	0.4902E-08	82.5-172.5	0.4805E-08	75	0- 90	0.5901E-07	90-180	0.5801E-07
0-15.00	0.2498E-04	-7.5 TO 97.5	0.3903E-07	82.5-187.5	0.3893E-07	0	0-105	0.2778E-06	90-195	0.2778E-06
15-30.00	0.7325E-04	-7.5 TO 97.5	0.3633E-07	82.5-187.5	0.3612E-07	15	0-105	0.2684E-06	90-195	0.2674E-06
30-45.00	0.1165E-03	-7.5 TO 97.5	0.3107E-07	82.5-187.5	0.3079E-07	30	0-105	0.2400E-06	90-195	0.2382E-06
45-60.00	0.1518E-03	-7.5 TO 97.5	0.2365E-07	82.5-187.5	0.2337E-07	45	0-105	0.1948E-06	90-195	0.1927E-06
60-75.00	0.1768E-03	-7.5 TO 97.5	0.1464E-07	82.5-187.5	0.1443E-07	60	0-105	0.1362E-06	90-195	0.1344E-06
75-89.48	0.1832E-03	-7.5 TO 97.5	0.4894E-08	82.5-187.5	0.4800E-08	75	0-105	0.6875E-07	90-195	0.6763E-07

$r_2/r_1 = 0.10$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0049$ $\cosh \mu_2 = 499.9505$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 89.89$

0-15.00	0.3569E-05	-7.5 TO 7.5	0.4188E-07	82.5- 97.5	0.4176E-07	0	0- 15	0.4251E-07	90-105	0.4251E-07
15-30.00	0.1046E-04	-7.5 TO 7.5	0.3906E-07	82.5- 97.5	0.3881E-07	15	0- 15	0.4118E-07	90-105	0.4098E-07
30-45.00	0.1665E-04	-7.5 TO 7.5	0.3347E-07	82.5- 97.5	0.3313E-07	30	0- 15	0.3691E-07	90-105	0.3657E-07
45-60.00	0.2169E-04	-7.5 TO 7.5	0.2552E-07	82.5- 97.5	0.2519E-07	45	0- 15	0.3002E-07	90-105	0.2962E-07
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1582E-07	82.5- 97.5	0.1557E-07	60	0- 15	0.2103E-07	90-105	0.2068E-07
75-89.48	0.2617E-04	-7.5 TO 7.5	0.5298E-08	82.5- 97.5	0.5193E-08	75	0- 15	0.1063E-07	90-105	0.1042E-07
0-15.00	0.7138E-05	-7.5 TO 22.5	0.4188E-07	82.5-112.5	0.4174E-07	0	0- 30	0.8503E-07	90-120	0.8503E-07
15-30.00	0.2093E-04	-7.5 TO 22.5	0.3905E-07	82.5-112.5	0.3877E-07	15	0- 30	0.8235E-07	90-120	0.8192E-07
30-45.00	0.3329E-04	-7.5 TO 22.5	0.3346E-07	82.5-112.5	0.3309E-07	30	0- 30	0.7380E-07	90-120	0.7306E-07
45-60.00	0.4339E-04	-7.5 TO 22.5	0.2552E-07	82.5-112.5	0.2514E-07	45	0- 30	0.6001E-07	90-120	0.5916E-07
60-75.00	0.5052E-04	-7.5 TO 22.5	0.1582E-07	82.5-112.5	0.1554E-07	60	0- 30	0.4204E-07	90-120	0.4129E-07
75-89.48	0.5233E-04	-7.5 TO 22.5	0.5296E-08	82.5-112.5	0.5179E-08	75	0- 30	0.2125E-07	90-120	0.2080E-07
0-15.00	0.1071E-04	-7.5 TO 37.5	0.4187E-07	82.5-127.5	0.4173E-07	0	0- 45	0.1275E-06	90-135	0.1275E-06
15-30.00	0.3139E-04	-7.5 TO 37.5	0.3904E-07	82.5-127.5	0.3874E-07	15	0- 45	0.1235E-06	90-135	0.1228E-06
30-45.00	0.4994E-04	-7.5 TO 37.5	0.3345E-07	82.5-127.5	0.3305E-07	30	0- 45	0.1107E-06	90-135	0.1095E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.2550E-07	82.5-127.5	0.2510E-07	45	0- 45	0.8996E-07	90-135	0.8861E-07
60-75.00	0.7578E-04	-7.5 TO 37.5	0.1581E-07	82.5-127.5	0.1551E-07	60	0- 45	0.6300E-07	90-135	0.6182E-07
75-89.48	0.7850E-04	-7.5 TO 37.5	0.5292E-08	82.5-127.5	0.5166E-08	75	0- 45	0.3184E-07	90-135	0.3113E-07
0-15.00	0.1428E-04	-7.5 TO 52.5	0.4186E-07	82.5-142.5	0.4172E-07	0	0- 60	0.1701E-06	90-150	0.1701E-06
15-30.00	0.4185E-04	-7.5 TO 52.5	0.3903E-07	82.5-142.5	0.3871E-07	15	0- 60	0.1646E-06	90-150	0.1637E-06
30-45.00	0.6658E-04	-7.5 TO 52.5	0.3343E-07	82.5-142.5	0.3301E-07	30	0- 60	0.1474E-06	90-150	0.1459E-06
45-60.00	0.8677E-04	-7.5 TO 52.5	0.2548E-07	82.5-142.5	0.2506E-07	45	0- 60	0.1198E-06	90-150	0.1180E-06
60-75.00	0.1010E-03	-7.5 TO 52.5	0.1579E-07	82.5-142.5	0.1548E-07	60	0- 60	0.8391E-07	90-150	0.8230E-07
75-89.48	0.1047E-03	-7.5 TO 52.5	0.5286E-08	82.5-142.5	0.5154E-08	75	0- 60	0.4240E-07	90-150	0.4143E-07
0-15.00	0.1784E-04	-7.5 TO 67.5	0.4186E-07	82.5-157.5	0.4170E-07	0	0- 75	0.2126E-06	90-165	0.2126E-06
15-30.00	0.5232E-04	-7.5 TO 67.5	0.3901E-07	82.5-157.5	0.3869E-07	15	0- 75	0.2057E-06	90-165	0.2045E-06
30-45.00	0.8323E-04	-7.5 TO 67.5	0.3340E-07	82.5-157.5	0.3298E-07	30	0- 75	0.1842E-06	90-165	0.1822E-06
45-60.00	0.1085E-03	-7.5 TO 67.5	0.2546E-07	82.5-157.5	0.2503E-07	45	0- 75	0.1496E-06	90-165	0.1473E-06
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1577E-07	82.5-157.5	0.1546E-07	60	0- 75	0.1048E-06	90-165	0.1027E-06
75-89.48	0.1308E-03	-7.5 TO 67.5	0.5278E-08	82.5-157.5	0.5144E-08	75	0- 75	0.5292E-07	90-165	0.5171E-07
0-15.00	0.2141E-04	-7.5 TO 82.5	0.4184E-07	82.5-172.5	0.4169E-07	0	0- 90	0.2551E-06	90-180	0.2551E-06
15-30.00	0.6278E-04	-7.5 TO 82.5	0.3899E-07	82.5-172.5	0.3867E-07	15	0- 90	0.2467E-06	90-180	0.2454E-06
30-45.00	0.9987E-04	-7.5 TO 82.5	0.3337E-07	82.5-172.5	0.3295E-07	30	0- 90	0.2208E-06	90-180	0.2185E-06
45-60.00	0.1302E-03	-7.5 TO 82.5	0.2543E-07	82.5-172.5	0.2500E-07	45	0- 90	0.1794E-06	90-180	0.1767E-06
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1575E-07	82.5-172.5	0.1544E-07	60	0- 90	0.1255E-06	90-180	0.1232E-06
75-89.48	0.1570E-03	-7.5 TO 82.5	0.5268E-08	82.5-172.5	0.5135E-08	75	0- 90	0.6339E-07	90-180	0.6197E-07
0-15.00	0.2498E-04	-7.5 TO 97.5	0.4183E-07	82.5-187.5	0.4169E-07	0	0-105	0.2976E-06	90-195	0.2976E-06
15-30.00	0.7325E-04	-7.5 TO 97.5	0.3896E-07	82.5-187.5	0.3865E-07	15	0-105	0.2877E-06	90-195	0.2862E-06
30-45.00	0.1165E-03	-7.5 TO 97.5	0.3334E-07	82.5-187.5	0.3293E-07	30	0-105	0.2574E-06	90-195	0.2548E-06
45-60.00	0.1518E-03	-7.5 TO 97.5	0.2539E-07	82.5-187.5	0.2498E-07	45	0-105	0.2090E-06	90-195	0.2060E-06
60-75.00	0.1768E-03	-7.5 TO 97.5	0.1573E-07	82.5-187.5	0.1542E-07	60	0-105	0.1462E-06	90-195	0.1436E-06
75-89.48	0.1832E-03	-7.5 TO 97.5	0.5257E-08	82.5-187.5	0.5129E-08	75	0-105	0.7381E-07	90-195	0.7223E-07

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) Concluded. Radius ratio, r_2/r_1, 0.10

$r_2/r_1 = 0.10$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0049$ $\cosh \mu_2 = 499.9505$ $\alpha_{2,max} = 90.52$ $\theta_{2,min} = 89.37$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.4188E-07	82.5- 97.5	0.4176E-07	0	0- 15	0.4251E-07	90-105	0.4251E-07
15-30.00	0.1046E-04	-7.5 TO 7.5	0.3906E-07	82.5- 97.5	0.3881E-07	15	0- 15	0.4118E-07	90-105	0.4098E-07
30-45.00	0.1665E-04	-7.5 TO 7.5	0.3347E-07	82.5- 97.5	0.3313E-07	30	0- 15	0.3691E-07	90-105	0.3657E-07
45-60.00	0.2169F-04	-7.5 TO 7.5	0.2552E-07	82.5- 97.5	0.2519E-07	45	0- 15	0.3002E-07	90-105	0.2962E-07
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1582E-07	82.5- 97.5	0.1557E-07	60	0- 15	0.2103E-07	90-105	0.2068E-07
75-89.48	0.2617E-04	-7.5 TO 7.5	0.5299E-08	82.5- 97.5	0.5193E-08	75	0- 15	0.1063E-07	90-105	0.1042E-07
0-15.00	0.7138E-05	-7.5 TO 22.5	0.4188E-07	82.5-112.5	0.4174E-07	0	0- 30	0.8503E-07	90-120	0.8503E-07
15-30.00	0.2093E-04	-7.5 TO 22.5	0.3905E-07	82.5-112.5	0.3877E-07	15	0- 30	0.8235E-07	90-120	0.8192E-07
30-45.00	0.3329E-04	-7.5 TO 22.5	0.3346E-07	82.5-112.5	0.3309E-07	30	0- 30	0.7380E-07	90-120	0.7306E-07
45-60.00	0.4339E-04	-7.5 TO 22.5	0.2552E-07	82.5-112.5	0.2514E-07	45	0- 30	0.6001E-07	90-120	0.5916E-07
60-75.00	0.5052E-04	-7.5 TO 22.5	0.1582E-07	82.5-112.5	0.1554E-07	60	0- 30	0.4204E-07	90-120	0.4129E-07
75-89.48	0.5233E-04	-7.5 TO 22.5	0.5297E-08	82.5-112.5	0.5179E-08	75	0- 30	0.2125E-07	90-120	0.2080E-07
0-15.00	0.1071E-04	-7.5 TO 37.5	0.4187E-07	82.5-127.5	0.4173E-07	0	0- 45	0.1275E-06	90-135	0.1275E-06
15-30.00	0.3139E-04	-7.5 TO 37.5	0.3904E-07	82.5-127.5	0.3874E-07	15	0- 45	0.1235E-06	90-135	0.1228E-06
30-45.00	0.4994E-04	-7.5 TO 37.5	0.3345E-07	82.5-127.5	0.3305E-07	30	0- 45	0.1107E-06	90-135	0.1095E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.2550E-07	82.5-127.5	0.2510E-07	45	0- 45	0.8996E-07	90-135	0.8861E-07
60-75.00	0.7578E-04	-7.5 TO 37.5	0.1581E-07	82.5-127.5	0.1551E-07	60	0- 45	0.6301E-07	90-135	0.6182E-07
75-89.48	0.7850E-04	-7.5 TO 37.5	0.5293E-08	82.5-127.5	0.5166E-08	75	0- 45	0.3185E-07	90-135	0.3113E-07
0-15.00	0.1428E-04	-7.5 TO 52.5	0.4186E-07	82.5-142.5	0.4172E-07	0	0- 60	0.1701E-06	90-150	0.1701E-06
15-30.00	0.4185E-04	-7.5 TO 52.5	0.3903E-07	82.5-142.5	0.3871E-07	15	0- 60	0.1646E-06	90-150	0.1637E-06
30-45.00	0.6658E-04	-7.5 TO 52.5	0.3343E-07	82.5-142.5	0.3301E-07	30	0- 60	0.1474E-06	90-150	0.1459E-06
45-60.00	0.8677E-04	-7.5 TO 52.5	0.2548E-07	82.5-142.5	0.2506E-07	45	0- 60	0.1198E-06	90-150	0.1180E-06
60-75.00	0.1010E-03	-7.5 TO 52.5	0.1579E-07	82.5-142.5	0.1548E-07	60	0- 60	0.8392E-07	90-150	0.8230E-07
75-89.48	0.1047E-03	-7.5 TO 52.5	0.5286E-08	82.5-142.5	0.5154E-08	75	0- 60	0.4240E-07	90-150	0.4143E-07
0-15.00	0.1784E-04	-7.5 TO 67.5	0.4186E-07	82.5-157.5	0.4170E-07	0	0- 75	0.2126E-06	90-165	0.2126E-06
15-30.00	0.5232E-04	-7.5 TO 67.5	0.3901E-07	82.5-157.5	0.3869E-07	15	0- 75	0.2057E-06	90-165	0.2045E-06
30-45.00	0.8323E-04	-7.5 TO 67.5	0.3341E-07	82.5-157.5	0.3298E-07	30	0- 75	0.1842E-06	90-165	0.1822E-06
45-60.00	0.1085E-03	-7.5 TO 67.5	0.2546E-07	82.5-157.5	0.2503E-07	45	0- 75	0.1496E-06	90-165	0.1473E-06
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1578E-07	82.5-157.5	0.1546E-07	60	0- 75	0.1048E-06	90-165	0.1027E-06
75-89.48	0.1308E-03	-7.5 TO 67.5	0.5278E-08	82.5-157.5	0.5144E-08	75	0- 75	0.5292E-07	90-165	0.5171E-07
0-15.00	0.2141E-04	-7.5 TO 82.5	0.4184E-07	82.5-172.5	0.4169E-07	0	0- 90	0.2551E-06	90-180	0.2551E-06
15-30.00	0.6278E-04	-7.5 TO 82.5	0.3899E-07	82.5-172.5	0.3867E-07	15	0- 90	0.2467E-06	90-180	0.2454E-06
30-45.00	0.9987E-04	-7.5 TO 82.5	0.3337E-07	82.5-172.5	0.3295E-07	30	0- 90	0.2208E-06	90-180	0.2185E-06
45-60.00	0.1302E-03	-7.5 TO 82.5	0.2543E-07	82.5-172.5	0.2500E-07	45	0- 90	0.1794E-06	90-180	0.1767E-06
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1575E-07	82.5-172.5	0.1544E-07	60	0- 90	0.1255E-06	90-180	0.1232E-06
75-89.48	0.1570E-03	-7.5 TO 82.5	0.5268E-08	82.5-172.5	0.5135E-08	75	0- 90	0.6339E-07	90-180	0.6197E-07
0-15.00	0.2498E-04	-7.5 TO 97.5	0.4183E-07	82.5-187.5	0.4169E-07	0	0-105	0.2976E-06	90-195	0.2976E-06
15-30.00	0.7325E-04	-7.5 TO 97.5	0.3896E-07	82.5-187.5	0.3865E-07	15	0-105	0.2877E-06	90-195	0.2862E-06
30-45.00	0.1165E-03	-7.5 TO 97.5	0.3334E-07	82.5-187.5	0.3293E-07	30	0-105	0.2574E-06	90-195	0.2548E-06
45-60.00	0.1518E-03	-7.5 TO 97.5	0.2539E-07	82.5-187.5	0.2498E-07	45	0-105	0.2090E-06	90-195	0.2060E-06
60-75.00	0.1768E-03	-7.5 TO 97.5	0.1573E-07	82.5-187.5	0.1542E-07	60	0-105	0.1462E-06	90-195	0.1436E-06
75-89.48	0.1832E-03	-7.5 TO 97.5	0.5258E-08	82.5-187.5	0.5129E-08	75	0-105	0.7381E-07	90-195	0.7223E-07

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 1.201$ $\cosh \mu_1 = 1.0002$ $\cosh \mu_2 = 1.0042$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 38.20$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.2672E 02	-7.5 TO 7.5	0.2388E-01	82.5- 97.5	0.3841E-05	0	0- 15	0.4125E-01	90-105	0.4125E-01
15-30.00	0.7833E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	15	0- 15	0.	90-105	0.
30-45.00	0.1246E 03	-7.5 TO 7.5	0.	82.5- 97.5	0.	30	0- 15	0.	90-105	0.
45-48.23	0.3215E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
0-15.00	0.5343E 02	-7.5 TO 22.5	0.1519E-01	82.5-112.5	0.3022E-05	0	0- 30	0.8251E-01	90-120	0.8251E-01
15-30.00	0.1567E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	15	0- 30	0.	90-120	0.
30-45.00	0.2492E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	30	0- 30	0.	90-120	0.
45-48.23	0.6429E 02	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
0-15.00	0.8015E 02	-7.5 TO 37.5	0.1038E-01	82.5-127.5	0.2539E-05	0	0- 45	0.1238E 00	90-135	0.1238E 00
15-30.00	0.2350E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	15	0- 45	0.	90-135	0.
30-45.00	0.3738E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	30	0- 45	0.	90-135	0.
45-48.23	0.9644E 02	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
0-15.00	0.1069E 03	-7.5 TO 52.5	0.7821E-02	82.5-142.5	0.2213E-05	0	0- 60	0.1650E 00	90-150	0.1650E 00
15-30.00	0.3133E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	15	0- 60	0.	90-150	0.
30-45.00	0.4984E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	30	0- 60	0.	90-150	0.
45-48.23	0.1286E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
0-15.00	0.1336E 03	-7.5 TO 67.5	0.6205E-02	82.5-157.5	0.1981E-05	0	0- 75	0.2063E 00	90-165	0.2063E 00
15-30.00	0.3916E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	15	0- 75	0.	90-165	0.
30-45.00	0.6230E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	30	0- 75	0.	90-165	0.
45-48.23	0.1607E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
0-15.00	0.1603E 03	-7.5 TO 82.5	0.5223E-02	82.5-172.5	0.1810E-05	0	0- 90	0.2475E 00	90-180	0.2475E 00
15-30.00	0.4700E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	15	0- 90	0.	90-180	0.
30-45.00	0.7476E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	30	0- 90	0.	90-180	0.
45-48.23	0.1929E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
0-15.00	0.1870E 03	-7.5 TO 97.5	0.4477E-02	82.5-187.5	0.1684E-05	0	0-105	0.2888E 00	90-195	0.2888E 00
15-30.00	0.5483E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	15	0-105	0.	90-195	0.
30-45.00	0.8722E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	30	0-105	0.	90-195	0.
45-48.23	0.2250E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.

$r_2/r_1 = 0.20$ $d/r_1 = 1.201$ $\cosh \mu_1 = 1.0002$ $\cosh \mu_2 = 1.0042$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 19.31$

0-15.00	0.2672E 02	-7.5 TO 7.5	0.7095E-01	82.5- 97.5	0.4736E-05	0	0- 15	0.4125E-01	90-105	0.4125E-01
15-30.00	0.7833E 02	-7.5 TO 7.5	0.1665E-04	82.5- 97.5	0.	15	0- 15	0.2453E-03	90-105	0.
30-45.00	0.1246E 03	-7.5 TO 7.5	0.	82.5- 97.5	0.	30	0- 15	0.	90-105	0.
45-48.23	0.3215E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
0-15.00	0.5343E 02	-7.5 TO 22.5	0.4937E-01	82.5-112.5	0.3470E-05	0	0- 30	0.8251E-01	90-120	0.8251E-01
15-30.00	0.1567E 03	-7.5 TO 22.5	0.1493E-04	82.5-112.5	0.	15	0- 30	0.4078E-03	90-120	0.
30-45.00	0.2492E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	30	0- 30	0.	90-120	0.
45-48.23	0.6429E 02	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
0-15.00	0.8015E 02	-7.5 TO 37.5	0.3467E-01	82.5-127.5	0.2837E-05	0	0- 45	0.1238E 00	90-135	0.1238E 00
15-30.00	0.2350E 03	-7.5 TO 37.5	0.1208E-04	82.5-127.5	0.	15	0- 45	0.4783E-03	90-135	0.
30-45.00	0.3738E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	30	0- 45	0.	90-135	0.
45-48.23	0.9644E 02	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
0-15.00	0.1069E 03	-7.5 TO 52.5	0.2630E-01	82.5-142.5	0.2437E-05	0	0- 60	0.1650E 00	90-150	0.1650E 00
15-30.00	0.3133E 03	-7.5 TO 52.5	0.9472E-05	82.5-142.5	0.	15	0- 60	0.4960E-03	90-150	0.
30-45.00	0.4984E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	30	0- 60	0.	90-150	0.
45-48.23	0.1286E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
0-15.00	0.1336E 03	-7.5 TO 67.5	0.2109E-01	82.5-157.5	0.2160E-05	0	0- 75	0.2063E 00	90-165	0.2063E 00
15-30.00	0.3916E 03	-7.5 TO 67.5	0.7621E-05	82.5-157.5	0.	15	0- 75	0.4974E-03	90-165	0.
30-45.00	0.6230E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	30	0- 75	0.	90-165	0.
45-48.23	0.1607E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
0-15.00	0.1603E 03	-7.5 TO 82.5	0.1758E-01	82.5-172.5	0.1959E-05	0	0- 90	0.2475E 00	90-180	0.2475E 00
15-30.00	0.4700E 03	-7.5 TO 82.5	0.6352E-05	82.5-172.5	0.	15	0- 90	0.4974E-03	90-180	0.
30-45.00	0.7476E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	30	0- 90	0.	90-180	0.
45-48.23	0.1929E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
0-15.00	0.1870E 03	-7.5 TO 97.5	0.1507E-01	82.5-187.5	0.1812E-05	0	0-105	0.2888E 00	90-195	0.2888E 00
15-30.00	0.5483E 03	-7.5 TO 97.5	0.5444E-05	82.5-187.5	0.	15	0-105	0.4974E-03	90-195	0.
30-45.00	0.8722E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	30	0-105	0.	90-195	0.
45-48.23	0.2250E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.

TABLE I. - *Continued.* CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 1.201$ $\cosh \mu_1 = 1.0002$ $\cosh \mu_2 = 1.0042$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 12.56$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.2672E 02	-7.5 TO 7.5	0.1145E 00	82.5- 97.5	0.4834E-05	0	0- 15	0.4125E-01	90-105	0.4125E-01
15-30.00	0.7833E 02	-7.5 TO 7.5	0.7011E-03	82.5- 97.5	0.	15	0- 15	0.5109E-02	90-105	0.
30-45.00	0.1244E 03	-7.5 TO 7.5	0.	82.5- 97.5	0.	30	0- 15	0.	90-105	0.
45-48.23	0.3215E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
0-15.00	0.5343E 02	-7.5 TO 22.5	0.8459E-01	82.5-112.5	0.3519E-05	0	0- 30	0.8251E-01	90-120	0.8251E-01
15-30.00	0.1567E 03	-7.5 TO 22.5	0.6368E-03	82.5-112.5	0.	15	0- 30	0.8378E-02	90-120	0.
30-45.00	0.2492E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	30	0- 30	0.	90-120	0.
45-48.23	0.6429E 02	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
0-15.00	0.8015E 02	-7.5 TO 37.5	0.6105E-01	82.5-127.5	0.2870E-05	0	0- 45	0.1238E 00	90-135	0.1238E 00
15-30.00	0.2350E 03	-7.5 TO 37.5	0.5311E-03	82.5-127.5	0.	15	0- 45	0.9863E-02	90-135	0.
30-45.00	0.3738E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	30	0- 45	0.	90-135	0.
45-48.23	0.5644E 02	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
0-15.00	0.1069E 03	-7.5 TO 52.5	0.4663E-01	82.5-142.5	0.2462E-05	0	0- 60	0.1650E 00	90-150	0.1650E 00
15-30.00	0.3133E 03	-7.5 TO 52.5	0.4303E-03	82.5-142.5	0.	15	0- 60	0.1038E-01	90-150	0.
30-45.00	0.4984E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	30	0- 60	0.	90-150	0.
45-48.23	0.1286E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
0-15.00	0.1336E 03	-7.5 TO 67.5	0.3745E-01	82.5-157.5	0.2180E-05	0	0- 75	0.2063E 00	90-165	0.2063E 00
15-30.00	0.3916E 03	-7.5 TO 67.5	0.3515E-03	82.5-157.5	0.	15	0- 75	0.1050E-01	90-165	0.
30-45.00	0.6230E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	30	0- 75	0.	90-165	0.
45-48.23	0.1607E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
0-15.00	0.1603E 03	-7.5 TO 82.5	0.3122E-01	82.5-172.5	0.1976E-05	0	0- 90	0.2475E 00	90-180	0.2475E 00
15-30.00	0.4700E 03	-7.5 TO 82.5	0.2939E-03	82.5-172.5	0.	15	0- 90	0.1051E-01	90-180	0.
30-45.00	0.7476E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	30	0- 90	0.	90-180	0.
45-48.23	0.1929E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
0-15.00	0.1870E 03	-7.5 TO 97.5	0.2676E-01	82.5-187.5	0.1826E-05	0	0-105	0.2888E 00	90-195	0.2888E 00
15-30.00	0.5483E 03	-7.5 TO 97.5	0.2519E-03	82.5-187.5	0.	15	0-105	0.1051E-01	90-195	0.
30-45.00	0.8722E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	30	0-105	0.	90-195	0.
45-48.23	0.2250E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.

$r_2/r_1 = 0.20$ $d/r_1 = 1.201$ $\cosh \mu_1 = 1.0002$ $\cosh \mu_2 = 1.0042$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 9.03$

0-15.00	0.2672E 02	-7.5 TO 7.5	0.1410E 00	82.5- 97.5	0.4834E-05	0	0- 15	0.4125E-01	90-105	0.4125E-01
15-30.00	0.7833E 02	-7.5 TO 7.5	0.3594E-02	82.5- 97.5	0.	15	0- 15	0.1936E-01	90-105	0.
30-45.00	0.1244E 03	-7.5 TO 7.5	0.1426E-04	82.5- 97.5	0.	30	0- 15	0.1581E-03	90-105	0.
45-48.23	0.3215E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
0-15.00	0.5343E 02	-7.5 TO 22.5	0.1071E 00	82.5-112.5	0.3519E-05	0	0- 30	0.8251E-01	90-120	0.8251E-01
15-30.00	0.1567E 03	-7.5 TO 22.5	0.3256E-02	82.5-112.5	0.	15	0- 30	0.3108E-01	90-120	0.
30-45.00	0.2492E 03	-7.5 TO 22.5	0.1239E-04	82.5-112.5	0.	30	0- 30	0.2552E-03	90-120	0.
45-48.23	0.6429E 02	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
0-15.00	0.8015E 02	-7.5 TO 37.5	0.7845E-01	82.5-127.5	0.2870E-05	0	0- 45	0.1238E 00	90-135	0.1238E 00
15-30.00	0.2350E 03	-7.5 TO 37.5	0.2713E-02	82.5-127.5	0.	15	0- 45	0.3603E-01	90-135	0.
30-45.00	0.3738E 03	-7.5 TO 37.5	0.9549E-05	82.5-127.5	0.	30	0- 45	0.2869E-03	90-135	0.
45-48.23	0.5644E 02	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
0-15.00	0.1069E 03	-7.5 TO 52.5	0.6016E-01	82.5-142.5	0.2462E-05	0	0- 60	0.1650E 00	90-150	0.1650E 00
15-30.00	0.3133E 03	-7.5 TO 52.5	0.2201E-02	82.5-142.5	0.	15	0- 60	0.3761E-01	90-150	0.
30-45.00	0.4984E 03	-7.5 TO 52.5	0.7326E-05	82.5-142.5	0.	30	0- 60	0.2895E-03	90-150	0.
45-48.23	0.1286E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
0-15.00	0.1336E 03	-7.5 TO 67.5	0.4833E-01	82.5-157.5	0.2180E-05	0	0- 75	0.2063E 00	90-165	0.2063E 00
15-30.00	0.3916E 03	-7.5 TO 67.5	0.1799E-02	82.5-157.5	0.	15	0- 75	0.3790E-01	90-165	0.
30-45.00	0.6230E 03	-7.5 TO 67.5	0.5866E-05	82.5-157.5	0.	30	0- 75	0.2895E-03	90-165	0.
45-48.23	0.1607E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
0-15.00	0.1603E 03	-7.5 TO 82.5	0.4029E-01	82.5-172.5	0.1976E-05	0	0- 90	0.2475E 00	90-180	0.2475E 00
15-30.00	0.4700E 03	-7.5 TO 82.5	0.1504E-02	82.5-172.5	0.	15	0- 90	0.3791E-01	90-180	0.
30-45.00	0.7476E 03	-7.5 TO 82.5	0.4888E-05	82.5-172.5	0.	30	0- 90	0.2895E-03	90-180	0.
45-48.23	0.1929E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
0-15.00	0.1870E 03	-7.5 TO 97.5	0.3454E-01	82.5-187.5	0.1826E-05	0	0-105	0.2888E 00	90-195	0.2888E 00
15-30.00	0.5483E 03	-7.5 TO 97.5	0.1289E-02	82.5-187.5	0.	15	0-105	0.3791E-01	90-195	0.
30-45.00	0.8722E 03	-7.5 TO 97.5	0.4190E-05	82.5-187.5	0.	30	0-105	0.2895E-03	90-195	0.
45-48.23	0.2250E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 1.201$ $\cosh \mu_1 = 1.0002$ $\cosh \mu_2 = 1.0042$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 6.80$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.2672E 02	-7.5 TO 7.5	0.1507E 00	82.5- 97.5	0.4834E-05	0	0- 15	0.4125E-01	90-105	0.4125E-01
15-30.00	0.7833E 02	-7.5 TO 7.5	0.7094E-02	82.5- 97.5	0.	15	0- 15	0.3269E-01	90-105	0.
30-45.00	0.1246E 03	-7.5 TO 7.5	0.1469E-03	82.5- 97.5	0.	30	0- 15	0.8561E-03	90-105	0.
45-48.23	0.3215E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
0-15.00	0.5343E 02	-7.5 TO 22.5	0.1155E 00	82.5-112.5	0.3519E-05	0	0- 30	0.8251E-01	90-120	0.8251E-01
15-30.00	0.1567E 03	-7.5 TO 22.5	0.6982E-02	82.5-112.5	0.	15	0- 30	0.5242E-01	90-120	0.
30-45.00	0.2492E 03	-7.5 TO 22.5	0.1343E-03	82.5-112.5	0.	30	0- 30	0.1460E-02	90-120	0.
45-48.23	0.6429E 02	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
0-15.00	0.8015E 02	-7.5 TO 37.5	0.8509E-01	82.5-127.5	0.2870E-05	0	0- 45	0.1238E 00	90-135	0.1238E 00
15-30.00	0.2350E 03	-7.5 TO 37.5	0.5831E-02	82.5-127.5	0.	15	0- 45	0.6054E-01	90-135	0.
30-45.00	0.3738E 03	-7.5 TO 37.5	0.1120E-03	82.5-127.5	0.	30	0- 45	0.1755E-02	90-135	0.
45-48.23	0.9644E 02	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
0-15.00	0.1069E 03	-7.5 TO 52.5	0.6534E-01	82.5-142.5	0.2462E-05	0	0- 60	0.1650E 00	90-150	0.1650E 00
15-30.00	0.3133E 03	-7.5 TO 52.5	0.4735E-02	82.5-142.5	0.	15	0- 60	0.6287E-01	90-150	0.
30-45.00	0.4984E 03	-7.5 TO 52.5	0.8979E-04	82.5-142.5	0.	30	0- 60	0.1847E-02	90-150	0.
45-48.23	0.1286E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
0-15.00	0.1336E 03	-7.5 TO 67.5	0.5249E-01	82.5-157.5	0.2180E-05	0	0- 75	0.2063E 00	90-165	0.2063E 00
15-30.00	0.3916E 03	-7.5 TO 67.5	0.3867E-02	82.5-157.5	0.	15	0- 75	0.6319E-01	90-165	0.
30-45.00	0.6230E 03	-7.5 TO 67.5	0.7266E-04	82.5-157.5	0.	30	0- 75	0.1859E-02	90-165	0.
45-48.23	0.1607E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
0-15.00	0.1603E 03	-7.5 TO 82.5	0.4376E-01	82.5-172.5	0.1976E-05	0	0- 90	0.2475E 00	90-180	0.2475E 00
15-30.00	0.4700E 03	-7.5 TO 82.5	0.3229E-02	82.5-172.5	0.	15	0- 90	0.6320E-01	90-180	0.
30-45.00	0.7476E 03	-7.5 TO 82.5	0.6059E-04	82.5-172.5	0.	30	0- 90	0.1859E-02	90-180	0.
45-48.23	0.1929E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
0-15.00	0.1870E 03	-7.5 TO 97.5	0.3751E-01	82.5-187.5	0.1826E-05	0	0-105	0.2888E 00	90-195	0.2888E 00
15-30.00	0.5463E 03	-7.5 TO 97.5	0.2768E-02	82.5-187.5	0.	15	0-105	0.6320E-01	90-195	0.
30-45.00	0.8722E 03	-7.5 TO 97.5	0.5193E-04	82.5-187.5	0.	30	0-105	0.1859E-02	90-195	0.
45-48.23	0.2250E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.

$r_2/r_1 = 0.20$ $d/r_1 = 1.201$ $\cosh \mu_1 = 1.0002$ $\cosh \mu_2 = 1.0042$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 5.22$

0-15.00	0.2672E 02	-7.5 TO 7.5	0.1532E 00	82.5- 97.5	0.4834E-05	0	0- 15	0.4125E-01	90-105	0.4125E-01
15-30.00	0.7833E 02	-7.5 TO 7.5	0.1072E-01	82.5- 97.5	0.	15	0- 15	0.3861E-01	90-105	0.
30-45.00	0.1246E 03	-7.5 TO 7.5	0.4042E-03	82.5- 97.5	0.	30	0- 15	0.1773E-02	90-105	0.
45-48.23	0.3215E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
0-15.00	0.5343E 02	-7.5 TO 22.5	0.1177E 00	82.5-112.5	0.3519E-05	0	0- 30	0.8251E-01	90-120	0.8251E-01
15-30.00	0.1567E 03	-7.5 TO 22.5	0.9753E-02	82.5-112.5	0.	15	0- 30	0.6192E-01	90-120	0.
30-45.00	0.2492E 03	-7.5 TO 22.5	0.3722E-03	82.5-112.5	0.	30	0- 30	0.3058E-02	90-120	0.
45-48.23	0.6429E 02	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
0-15.00	0.8015E 02	-7.5 TO 37.5	0.8685E-01	82.5-127.5	0.2870E-05	0	0- 45	0.1238E 00	90-135	0.1238E 00
15-30.00	0.2350E 03	-7.5 TO 37.5	0.8161E-02	82.5-127.5	0.	15	0- 45	0.7123E-01	90-135	0.
30-45.00	0.3736E 03	-7.5 TO 37.5	0.3153E-03	82.5-127.5	0.	30	0- 45	0.3728E-02	90-135	0.
45-48.23	0.9644E 02	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
0-15.00	0.1069E 03	-7.5 TO 52.5	0.6670E-01	82.5-142.5	0.2462E-05	0	0- 60	0.1650E 00	90-150	0.1650E 00
15-30.00	0.3133E 03	-7.5 TO 52.5	0.6619E-02	82.5-142.5	0.	15	0- 60	0.7365E-01	90-150	0.
30-45.00	0.4984E 03	-7.5 TO 52.5	0.2565E-03	82.5-142.5	0.	30	0- 60	0.3960E-02	90-150	0.
45-48.23	0.1286E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
0-15.00	0.1336E 03	-7.5 TO 67.5	0.5358E-01	82.5-157.5	0.2180E-05	0	0- 75	0.2063E 00	90-165	0.2063E 00
15-30.00	0.3916E 03	-7.5 TO 67.5	0.5394E-02	82.5-157.5	0.	15	0- 75	0.7397E-01	90-165	0.
30-45.00	0.6230E 03	-7.5 TO 67.5	0.2089E-03	82.5-157.5	0.	30	0- 75	0.3993E-02	90-165	0.
45-48.23	0.1607E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
0-15.00	0.1603E 03	-7.5 TO 82.5	0.4467E-01	82.5-172.5	0.1976E-05	0	0- 90	0.2475E 00	90-180	0.2475E 00
15-30.00	0.4700E 03	-7.5 TO 82.5	0.4503E-02	82.5-172.5	0.	15	0- 90	0.7398E-01	90-180	0.
30-45.00	0.7476E 03	-7.5 TO 82.5	0.1743E-03	82.5-172.5	0.	30	0- 90	0.3993E-02	90-180	0.
45-48.23	0.1929E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
0-15.00	0.1870E 03	-7.5 TO 97.5	0.3829E-01	82.5-187.5	0.1826E-05	0	0-105	0.2888E 00	90-195	0.2888E 00
15-30.00	0.5463E 03	-7.5 TO 97.5	0.3859E-02	82.5-187.5	0.	15	0-105	0.7398E-01	90-195	0.
30-45.00	0.8722E 03	-7.5 TO 97.5	0.1494E-03	82.5-187.5	0.	30	0-105	0.3993E-02	90-195	0.
45-48.23	0.2250E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 1.201$ $\cosh \mu_1 = 1.0002$ $\cosh \mu_2 = 1.0042$ $\alpha_{2,max} = 105.00$ $\theta_{2,min} = 4.01$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.2672E 02	-7.5 TO 7.5	0.1536E 00	82.5- 97.5	0.4834E-05	0	0- 15	0.4125E-01	90-105	0.4125E-01
15-30.00	0.7833E 02	-7.5 TO 7.5	0.1209E-01	82.5- 97.5	0.	15	0- 15	0.3967E-01	90-105	0.
30-45.00	0.1246E 03	-7.5 TO 7.5	0.6490E-03	82.5- 97.5	0.	30	0- 15	0.2452E-02	90-105	0.
45-48.23	0.3215E 02	-7.5 TO 7.5	0.1431E-05	82.5- 97.5	0.	45	0- 15	0.8343E-05	90-105	0.
0-15.00	0.5343E 02	-7.5 TO 22.5	0.1181E 00	82.5-112.5	0.3519E-05	0	0- 30	0.8251E-01	90-120	0.8251E-01
15-30.00	0.1567E 03	-7.5 TO 22.5	0.1100E-01	82.5-112.5	0.	15	0- 30	0.6344E-01	90-120	0.
30-45.00	0.2492E 03	-7.5 TO 22.5	0.5965E-03	82.5-112.5	0.	30	0- 30	0.4241E-02	90-120	0.
45-48.23	0.6429E 02	-7.5 TO 22.5	0.1089E-05	82.5-112.5	0.	45	0- 30	0.1074E-04	90-120	0.
0-15.00	0.8015E 02	-7.5 TO 37.5	0.8711E-01	82.5-127.5	0.2870E-05	0	0- 45	0.1238E 00	90-135	0.1238E 00
15-30.00	0.2350E 03	-7.5 TO 37.5	0.9188E-02	82.5-127.5	0.	15	0- 45	0.7278E-01	90-135	0.
30-45.00	0.3738E 03	-7.5 TO 37.5	0.9084E-03	82.5-127.5	0.	30	0- 45	0.5175E-02	90-135	0.
45-48.23	0.9644E 02	-7.5 TO 37.5	0.7487E-06	82.5-127.5	0.	45	0- 45	0.1075E-04	90-135	0.
0-15.00	0.1069E 03	-7.5 TO 52.5	0.6690E-01	82.5-142.5	0.2462E-05	0	0- 60	0.1650E 00	90-150	0.1650E 00
15-30.00	0.3133E 03	-7.5 TO 52.5	0.7432E-02	82.5-142.5	0.	15	0- 60	0.7519E-01	90-150	0.
30-45.00	0.4984E 03	-7.5 TO 52.5	0.4149E-03	82.5-142.5	0.	30	0- 60	0.5480E-02	90-150	0.
45-48.23	0.1286E 03	-7.5 TO 52.5	0.9615E-06	82.5-142.5	0.	45	0- 60	0.1075E-04	90-150	0.
0-15.00	0.1336E 03	-7.5 TO 67.5	0.5374E-01	82.5-157.5	0.2180E-05	0	0- 75	0.2063E 00	90-165	0.2063E 00
15-30.00	0.3916E 03	-7.5 TO 67.5	0.6047E-02	82.5-157.5	0.	15	0- 75	0.7552E-01	90-165	0.
30-45.00	0.6230E 03	-7.5 TO 67.5	0.3374E-03	82.5-157.5	0.	30	0- 75	0.5514E-02	90-165	0.
45-48.23	0.1607E 03	-7.5 TO 67.5	0.4492E-06	82.5-157.5	0.	45	0- 75	0.1075E-04	90-165	0.
0-15.00	0.1603E 03	-7.5 TO 82.5	0.4480E-01	82.5-172.5	0.1976E-05	0	0- 90	0.2475E 00	90-180	0.2475E 00
15-30.00	0.4700E 03	-7.5 TO 82.5	0.5047E-02	82.5-172.5	0.	15	0- 90	0.7553E-01	90-180	0.
30-45.00	0.7476E 03	-7.5 TO 82.5	0.2814E-03	82.5-172.5	0.	30	0- 90	0.5514E-02	90-180	0.
45-48.23	0.1929E 03	-7.5 TO 82.5	0.3744E-06	82.5-172.5	0.	45	0- 90	0.1075E-04	90-180	0.
0-15.00	0.1870E 03	-7.5 TO 97.5	0.3840E-01	82.5-187.5	0.1826E-05	0	0-105	0.2888E 00	90-195	0.2888E 00
15-30.00	0.5483E 03	-7.5 TO 97.5	0.4320E-02	82.5-187.5	0.	15	0-105	0.7553E-01	90-195	0.
30-45.00	0.8722E 03	-7.5 TO 97.5	0.2412E-03	82.5-187.5	0.	30	0-105	0.5514E-02	90-195	0.
45-48.23	0.2250E 03	-7.5 TO 97.5	0.3209E-06	82.5-187.5	0.	45	0-105	0.1075E-04	90-195	0.

$r_2/r_1 = 0.20$ $d/r_1 = 1.201$ $\cosh \mu_1 = 1.0002$ $\cosh \mu_2 = 1.0042$ $\alpha_{2,max} = 120.00$ $\theta_{2,min} = 3.02$

0-15.00	0.2672E 02	-7.5 TO 7.5	0.1536E 00	82.5- 97.5	0.4834E-05	0	0- 15	0.4125E-01	90-105	0.4125E-01
15-30.00	0.7833E 02	-7.5 TO 7.5	0.1237E-01	82.5- 97.5	0.	15	0- 15	0.3967E-01	90-105	0.
30-45.00	0.1246E 03	-7.5 TO 7.5	0.7692E-03	82.5- 97.5	0.	30	0- 15	0.2737E-02	90-105	0.
45-48.23	0.3215E 02	-7.5 TO 7.5	0.7677E-05	82.5- 97.5	0.	45	0- 15	0.2599E-04	90-105	0.
0-15.00	0.5343E 02	-7.5 TO 22.5	0.1181E 00	82.5-112.5	0.3519E-05	0	0- 30	0.8251E-01	90-120	0.8251E-01
15-30.00	0.1567E 03	-7.5 TO 22.5	0.1125E-01	82.5-112.5	0.	15	0- 30	0.6344E-01	90-120	0.
30-45.00	0.2492E 03	-7.5 TO 22.5	0.7109E-03	82.5-112.5	0.	30	0- 30	0.4719E-02	90-120	0.
45-48.23	0.6429E 02	-7.5 TO 22.5	0.6348E-05	82.5-112.5	0.	45	0- 30	0.3827E-04	90-120	0.
0-15.00	0.8015E 02	-7.5 TO 37.5	0.8711E-01	82.5-127.5	0.2870E-05	0	0- 45	0.1238E 00	90-135	0.1238E 00
15-30.00	0.2350E 03	-7.5 TO 37.5	0.9384E-02	82.5-127.5	0.	15	0- 45	0.7278E-01	90-135	0.
30-45.00	0.3738E 03	-7.5 TO 37.5	0.6042E-03	82.5-127.5	0.	30	0- 45	0.5721E-02	90-135	0.
45-48.23	0.9644E 02	-7.5 TO 37.5	0.4628E-05	82.5-127.5	0.	45	0- 45	0.3989E-04	90-135	0.
0-15.00	0.1069E 03	-7.5 TO 52.5	0.6690E-01	82.5-142.5	0.2462E-05	0	0- 60	0.1650E 00	90-150	0.1650E 00
15-30.00	0.3133E 03	-7.5 TO 52.5	0.7582E-02	82.5-142.5	0.	15	0- 60	0.7519E-01	90-150	0.
30-45.00	0.4984E 03	-7.5 TO 52.5	0.4906E-03	82.5-142.5	0.	30	0- 60	0.6029E-02	90-150	0.
45-48.23	0.1286E 03	-7.5 TO 52.5	0.3483E-05	82.5-142.5	0.	45	0- 60	0.3989E-04	90-150	0.
0-15.00	0.1336E 03	-7.5 TO 67.5	0.5374E-01	82.5-157.5	0.2180E-05	0	0- 75	0.2063E 00	90-165	0.2063E 00
15-30.00	0.3916E 03	-7.5 TO 67.5	0.6167E-02	82.5-157.5	0.	15	0- 75	0.7552E-01	90-165	0.
30-45.00	0.6230E 03	-7.5 TO 67.5	0.3981E-03	82.5-157.5	0.	30	0- 75	0.6063E-02	90-165	0.
45-48.23	0.1607E 03	-7.5 TO 67.5	0.2786E-05	82.5-157.5	0.	45	0- 75	0.3989E-04	90-165	0.
0-15.00	0.1603E 03	-7.5 TO 82.5	0.4480E-01	82.5-172.5	0.1976E-05	0	0- 90	0.2475E 00	90-180	0.2475E 00
15-30.00	0.4700E 03	-7.5 TO 82.5	0.5147E-02	82.5-172.5	0.	15	0- 90	0.7553E-01	90-180	0.
30-45.00	0.7476E 03	-7.5 TO 82.5	0.3320E-03	82.5-172.5	0.	30	0- 90	0.6063E-02	90-180	0.
45-48.23	0.1929E 03	-7.5 TO 82.5	0.2322E-05	82.5-172.5	0.	45	0- 90	0.3989E-04	90-180	0.
0-15.00	0.1870E 03	-7.5 TO 97.5	0.3840E-01	82.5-187.5	0.1826E-05	0	0-105	0.2888E 00	90-195	0.2888E 00
15-30.00	0.5483E 03	-7.5 TO 97.5	0.4412E-02	82.5-187.5	0.	15	0-105	0.7553E-01	90-195	0.
30-45.00	0.8722E 03	-7.5 TO 97.5	0.2846E-03	82.5-187.5	0.	30	0-105	0.6063E-02	90-195	0.
45-48.23	0.2250E 03	-7.5 TO 97.5	0.1990E-05	82.5-187.5	0.	45	0-105	0.3989E-04	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 1.201$ $\cosh \mu_1 = 1.0002$ $\cosh \mu_2 = 1.0042$ $\alpha_{2,max} = 131.77$ $\theta_{2,min} = 2.34$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.2672E 02	-7.5 TO 7.5	0.1536E 00	82.5- 97.5	0.4834E-05	0	0- 15	0.4125E-01	90-105	0.4125E-01
15-30.00	0.7833E 02	-7.5 TO 7.5	0.1238E-01	82.5- 97.5	0.	15	0- 15	0.3967E-01	90-105	0.
30-45.00	0.1246E 03	-7.5 TO 7.5	0.7865E-03	82.5- 97.5	0.	30	0- 15	0.2759E-02	90-105	0.
45-48.23	0.3215E 02	-7.5 TO 7.5	0.9702E-05	82.5- 97.5	0.	45	0- 15	0.3039E-04	90-105	0.
0-15.00	0.5343E 02	-7.5 TO 22.5	0.1181E 00	82.5-112.5	0.3519E-05	0	0- 30	0.8251E-01	90-120	0.8251E-01
15-30.00	0.1567E 03	-7.5 TO 22.5	0.1125E-01	82.5-112.5	0.	15	0- 30	0.6344E-01	90-120	0.
30-45.00	0.2492E 03	-7.5 TO 22.5	0.7257E-03	82.5-112.5	0.	30	0- 30	0.4748E-02	90-120	0.
45-48.23	0.6429E 02	-7.5 TO 22.5	0.8081E-05	82.5-112.5	0.	45	0- 30	0.4472E-04	90-120	0.
0-15.00	0.8015E 02	-7.5 TO 37.5	0.8711E-01	82.5-127.5	0.2870E-05	0	0- 45	0.1238E 00	90-135	0.1238E 00
15-30.00	0.2350E 03	-7.5 TO 37.5	0.9387E-02	82.5-127.5	0.	15	0- 45	0.7278E-01	90-135	0.
30-45.00	0.3738E 03	-7.5 TO 37.5	0.3152E-03	82.5-127.5	0.	30	0- 45	0.5750E-02	90-135	0.
45-48.23	0.9644E 02	-7.5 TO 37.5	0.5890E-05	82.5-127.5	0.	45	0- 45	0.4656E-04	90-135	0.
0-15.00	0.1069E 03	-7.5 TO 52.5	0.8690E-01	82.5-142.5	0.2462E-05	0	0- 60	0.1650E 00	90-150	0.1650E 00
15-30.00	0.3133E 03	-7.5 TO 52.5	0.7584E-02	82.5-142.5	0.	15	0- 60	0.7519E-01	90-150	0.
30-45.00	0.4984E 03	-7.5 TO 52.5	0.4988E-03	82.5-142.5	0.	30	0- 60	0.6057E-02	90-150	0.
45-48.23	0.1286E 03	-7.5 TO 52.5	0.4432E-05	82.5-142.5	0.	45	0- 60	0.4656E-04	90-150	0.
0-15.00	0.1336E 03	-7.5 TO 67.5	0.5374E-01	82.5-157.5	0.2180E-05	0	0- 75	0.2063E 00	90-165	0.2063E 00
15-30.00	0.3916E 03	-7.5 TO 67.5	0.6169E-02	82.5-157.5	0.	15	0- 75	0.7552E-01	90-165	0.
30-45.00	0.6230E 03	-7.5 TO 67.5	0.4047E-03	82.5-157.5	0.	30	0- 75	0.6092E-02	90-165	0.
45-48.23	0.1607E 03	-7.5 TO 67.5	0.3546E-05	82.5-157.5	0.	45	0- 75	0.4656E-04	90-165	0.
0-15.00	0.1603E 03	-7.5 TO 82.5	0.4480E-01	82.5-172.5	0.1976E-05	0	0- 90	0.2475E 00	90-180	0.2475E 00
15-30.00	0.4700E 03	-7.5 TO 82.5	0.5148E-02	82.5-172.5	0.	15	0- 90	0.7553E-01	90-180	0.
30-45.00	0.7471E 03	-7.5 TO 82.5	0.3374E-03	82.5-172.5	0.	30	0- 90	0.6092E-02	90-180	0.
45-48.23	0.1929E 03	-7.5 TO 82.5	0.2955E-05	82.5-172.5	0.	45	0- 90	0.4656E-04	90-180	0.
0-15.00	0.1870E 03	-7.5 TO 97.5	0.3840E-01	82.5-187.5	0.1826E-05	0	0-105	0.2888E 00	90-195	0.2888E 00
15-30.00	0.5483E 03	-7.5 TO 97.5	0.4413E-02	82.5-187.5	0.	15	0-105	0.7553E-01	90-195	0.
30-45.00	0.8722E 03	-7.5 TO 97.5	0.2892E-03	82.5-187.5	0.	30	0-105	0.6092E-02	90-195	0.
45-48.23	0.2250E 03	-7.5 TO 97.5	0.2533E-05	82.5-187.5	0.	45	0-105	0.4656E-04	90-195	0.

$r_2/r_1 = 0.20$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2400$ $\cosh \mu_2 = 3.8000$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 160.44$

0-15.00	0.1655E-01	-7.5 TO 7.5	0.1521E-03	82.5- 97.5	0.1411E-03	0	0- 15	0.1708E-03	90-105	0.1708E-03
15-30.00	0.4869E-01	-7.5 TO 7.5	0.8019E-04	82.5- 97.5	0.7426E-04	15	0- 15	0.1298E-03	90-105	0.1145E-03
30-45.00	0.7739E-01	-7.5 TO 7.5	0.3098E-04	82.5- 97.5	0.2518E-04	30	0- 15	0.5482E-04	90-105	0.4462E-04
45-60.00	0.1006E 00	-7.5 TO 7.5	0.5117E-05	82.5- 97.5	0.3656E-05	45	0- 15	0.1483E-04	90-105	0.1116E-04
60-66.42	0.4870E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.3319E-01	-7.5 TO 22.5	0.1519E-03	82.5-112.5	0.1398E-03	0	0- 30	0.3416E-03	90-120	0.3416E-03
15-30.00	0.9730E-01	-7.5 TO 22.5	0.8597E-04	82.5-112.5	0.7285E-04	15	0- 30	0.2587E-03	90-120	0.2257E-03
30-45.00	0.1554E 00	-7.5 TO 22.5	0.3087E-04	82.5-112.5	0.2450E-04	30	0- 30	0.1090E-03	90-120	0.8718E-04
45-60.00	0.2017E 00	-7.5 TO 22.5	0.5087E-05	82.5-112.5	0.3503E-05	45	0- 30	0.2941E-04	90-120	0.2160E-04
60-66.42	0.9734E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.4976E-01	-7.5 TO 37.5	0.1515E-03	82.5-127.5	0.1385E-03	0	0- 45	0.5124E-03	90-135	0.5124E-03
15-30.00	0.1459E 00	-7.5 TO 37.5	0.8548E-04	82.5-127.5	0.7153E-04	15	0- 45	0.3857E-03	90-135	0.3342E-03
30-45.00	0.2322E 00	-7.5 TO 37.5	0.3063E-04	82.5-127.5	0.2388E-04	30	0- 45	0.1619E-03	90-135	0.1280E-03
45-60.00	0.3026E 00	-7.5 TO 37.5	0.5020E-05	82.5-127.5	0.3363E-05	45	0- 45	0.4353E-04	90-135	0.3143E-04
60-66.42	0.1461E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.6637E-01	-7.5 TO 52.5	0.1508E-03	82.5-142.5	0.1373E-03	0	0- 60	0.6832E-03	90-150	0.6832E-03
15-30.00	0.1946E 00	-7.5 TO 52.5	0.8474E-04	82.5-142.5	0.7033E-04	15	0- 60	0.5100E-03	90-150	0.4404E-03
30-45.00	0.3056E 00	-7.5 TO 52.5	0.3027E-04	82.5-142.5	0.2332E-04	30	0- 60	0.2130E-03	90-150	0.1674E-03
45-60.00	0.4034E 00	-7.5 TO 52.5	0.4920E-05	82.5-142.5	0.3238E-05	45	0- 60	0.5701E-04	90-150	0.4078E-04
60-66.42	0.1948E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.8293E-01	-7.5 TO 67.5	0.1499E-03	82.5-157.5	0.1363E-03	0	0- 75	0.8540E-03	90-165	0.8540E-03
15-30.00	0.2432E 00	-7.5 TO 67.5	0.8380E-04	82.5-157.5	0.6930E-04	15	0- 75	0.6313E-03	90-165	0.5450E-03
30-45.00	0.3816E 00	-7.5 TO 67.5	0.2980E-04	82.5-157.5	0.2284E-04	30	0- 75	0.2620E-03	90-165	0.2058E-03
45-60.00	0.5043E 00	-7.5 TO 67.5	0.4798E-05	82.5-157.5	0.3131E-05	45	0- 75	0.6974E-04	90-165	0.4981E-04
60-66.42	0.2435E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.9956E-01	-7.5 TO 82.5	0.1489E-03	82.5-172.5	0.1355E-03	0	0- 90	0.1025E-02	90-180	0.1025E-02
15-30.00	0.2919E 00	-7.5 TO 82.5	0.8270E-04	82.5-172.5	0.6845E-04	15	0- 90	0.7492E-03	90-180	0.6489E-03
30-45.00	0.4583E 00	-7.5 TO 82.5	0.2927E-04	82.5-172.5	0.2244E-04	30	0- 90	0.3089E-03	90-180	0.2437E-03
45-60.00	0.6051E 00	-7.5 TO 82.5	0.4662E-05	82.5-172.5	0.3044E-05	45	0- 90	0.8168E-04	90-180	0.5867E-04
60-66.42	0.2922E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.1162E 00	-7.5 TO 97.5	0.1478E-03	82.5-187.5	0.1348E-03	0	0-105	0.1196E-02	90-195	0.1196E-02
15-30.00	0.3405E 00	-7.5 TO 97.5	0.8149E-04	82.5-187.5	0.6779E-04	15	0-105	0.8636E-03	90-195	0.7527E-03
30-45.00	0.5417E 00	-7.5 TO 97.5	0.2868E-04	82.5-187.5	0.2214E-04	30	0-105	0.3535E-03	90-195	0.2817E-03
45-60.00	0.7060E 00	-7.5 TO 97.5	0.4519E-05	82.5-187.5	0.2977E-05	45	0-105	0.9283E-04	90-195	0.6754E-04
60-66.42	0.3409E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2400$ $\cosh \mu_2 = 3.8000$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 141.34$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1659E-01	-7.5 TO 7.5	0.5772E-03	82.5- 97.5	0.4984E-03	0	0- 15	0.6007E-03	90-105	0.6007E-03
15-30.00	0.4865E-01	-7.5 TO 7.5	0.3550E-03	82.5- 97.5	0.2654E-03	15	0- 15	0.5117E-03	90-105	0.4003E-03
30-45.00	0.7739E-01	-7.5 TO 7.5	0.1368E-03	82.5- 97.5	0.9147E-04	30	0- 15	0.2347E-03	90-105	0.1570E-03
45-60.00	0.1005E 00	-7.5 TO 7.5	0.1468E-04	82.5- 97.5	0.1367E-04	45	0- 15	0.6868E-04	90-105	0.3971E-04
60-66.42	0.4870E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.3315E-01	-7.5 TO 22.5	0.5757E-03	82.5-112.5	0.4891E-03	0	0- 30	0.1201E-02	90-120	0.1201E-02
15-30.00	0.9730E-01	-7.5 TO 22.5	0.3543E-03	82.5-112.5	0.2556E-03	15	0- 30	0.1016E-02	90-120	0.7788E-03
30-45.00	0.1548E 00	-7.5 TO 22.5	0.1359E-03	82.5-112.5	0.8675E-04	30	0- 30	0.4640E-03	90-120	0.3000E-03
45-60.00	0.2011E 00	-7.5 TO 22.5	0.2022E-04	82.5-112.5	0.1260E-04	45	0- 30	0.1352E-03	90-120	0.7450E-04
60-66.42	0.9740E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.4978E-01	-7.5 TO 37.5	0.5724E-03	82.5-127.5	0.4805E-03	0	0- 45	0.1802E-02	90-135	0.1802E-02
15-30.00	0.1459E 00	-7.5 TO 37.5	0.3494E-03	82.5-127.5	0.2466E-03	15	0- 45	0.1506E-02	90-135	0.1139E-02
30-45.00	0.2322E 00	-7.5 TO 37.5	0.1339E-03	82.5-127.5	0.8248E-04	30	0- 45	0.6829E-03	90-135	0.4313E-03
45-60.00	0.3021E 00	-7.5 TO 37.5	0.2199E-04	82.5-127.5	0.1165E-04	45	0- 45	0.1978E-03	90-135	0.1053E-03
60-66.42	0.1461E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.6637E-01	-7.5 TO 52.5	0.5675E-03	82.5-142.5	0.4726E-03	0	0- 60	0.2403E-02	90-150	0.2403E-02
15-30.00	0.1946E 00	-7.5 TO 52.5	0.3436E-03	82.5-142.5	0.2387E-03	15	0- 60	0.1977E-02	90-150	0.1484E-02
30-45.00	0.3096E 00	-7.5 TO 52.5	0.1309E-03	82.5-142.5	0.7874E-04	30	0- 60	0.8881E-03	90-150	0.5535E-03
45-60.00	0.4034E 00	-7.5 TO 52.5	0.2163E-04	82.5-142.5	0.1083E-04	45	0- 60	0.2552E-03	90-150	0.1331E-03
60-66.42	0.1948E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.8257E-01	-7.5 TO 67.5	0.5613E-03	82.5-157.5	0.4660E-03	0	0- 75	0.3004E-02	90-165	0.3004E-02
15-30.00	0.2432E 00	-7.5 TO 67.5	0.3363E-03	82.5-157.5	0.2319E-03	15	0- 75	0.2425E-02	90-165	0.1819E-02
30-45.00	0.3865E 00	-7.5 TO 67.5	0.1272E-03	82.5-157.5	0.7557E-04	30	0- 75	0.1077E-02	90-165	0.6697E-03
45-60.00	0.5043E 00	-7.5 TO 67.5	0.2111E-04	82.5-157.5	0.1016E-04	45	0- 75	0.3066E-03	90-165	0.1590E-03
60-66.42	0.2435E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.9956E-01	-7.5 TO 82.5	0.5540E-03	82.5-172.5	0.4609E-03	0	0- 90	0.3604E-02	90-180	0.3604E-02
15-30.00	0.2915E 00	-7.5 TO 82.5	0.3280E-03	82.5-172.5	0.2263E-03	15	0- 90	0.2849E-02	90-180	0.2149E-02
30-45.00	0.4643E 00	-7.5 TO 82.5	0.1229E-03	82.5-172.5	0.7299E-04	30	0- 90	0.1250E-02	90-180	0.7828E-03
45-60.00	0.6051E 00	-7.5 TO 82.5	0.2029E-04	82.5-172.5	0.9620E-05	45	0- 90	0.3519E-03	90-180	0.1838E-03
60-66.42	0.2922E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.1162E 00	-7.5 TO 97.5	0.5461E-03	82.5-187.5	0.4562E-03	0	0-105	0.4205E-02	90-195	0.4205E-02
15-30.00	0.3405E 00	-7.5 TO 97.5	0.3191E-03	82.5-187.5	0.2220E-03	15	0-105	0.3249E-02	90-195	0.2479E-02
30-45.00	0.5417E 00	-7.5 TO 97.5	0.1184E-03	82.5-187.5	0.7102E-04	30	0-105	0.1407E-02	90-195	0.8959E-03
45-60.00	0.7060E 00	-7.5 TO 97.5	0.1935E-04	82.5-187.5	0.9210E-05	45	0-105	0.3917E-03	90-195	0.2087E-03
60-66.42	0.3409E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.

$r_2/r_1 = 0.20$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2400$ $\cosh \mu_2 = 3.8000$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 123.06$

0-15.00	0.1659E-01	-7.5 TO 7.5	0.1137E-02	82.5- 97.5	0.9182E-03	0	0- 15	0.1101E-02	90-105	0.1101E-02
15-30.00	0.4865E-01	-7.5 TO 7.5	0.7563E-03	82.5- 97.5	0.4970E-03	15	0- 15	0.1045E-02	90-105	0.7317E-03
30-45.00	0.7739E-01	-7.5 TO 7.5	0.3138E-03	82.5- 97.5	0.1753E-03	30	0- 15	0.5216E-03	90-105	0.2906E-03
45-60.00	0.1005E 00	-7.5 TO 7.5	0.6873E-04	82.5- 97.5	0.2728E-04	45	0- 15	0.1647E-03	90-105	0.7501E-04
60-66.42	0.4870E-01	-7.5 TO 7.5	0.3353E-06	82.5- 97.5	0.	60	0- 15	0.3735E-05	90-105	0.
0-15.00	0.3315E-01	-7.5 TO 22.5	0.1138E-02	82.5-112.5	0.8935E-03	0	0- 30	0.2201E-02	90-120	0.2201E-02
15-30.00	0.9730E-01	-7.5 TO 22.5	0.7531E-03	82.5-112.5	0.4703E-03	15	0- 30	0.2068E-02	90-120	0.1405E-02
30-45.00	0.1548E 00	-7.5 TO 22.5	0.3109E-03	82.5-112.5	0.1621E-03	30	0- 30	0.1026E-02	90-120	0.5430E-03
45-60.00	0.2011E 00	-7.5 TO 22.5	0.6776E-04	82.5-112.5	0.2427E-04	45	0- 30	0.3224E-03	90-120	0.1365E-03
60-66.42	0.9740E-01	-7.5 TO 22.5	0.3019E-06	82.5-112.5	0.	60	0- 30	0.6411E-05	90-120	0.
0-15.00	0.4978E-01	-7.5 TO 37.5	0.1123E-02	82.5-127.5	0.8706E-03	0	0- 45	0.3302E-02	90-135	0.3302E-02
15-30.00	0.1459E 00	-7.5 TO 37.5	0.7412E-03	82.5-127.5	0.4461E-03	15	0- 45	0.3051E-02	90-135	0.2030E-02
30-45.00	0.2322E 00	-7.5 TO 37.5	0.3043E-03	82.5-127.5	0.1504E-03	30	0- 45	0.1498E-02	90-135	0.7643E-03
45-60.00	0.3021E 00	-7.5 TO 37.5	0.6563E-04	82.5-127.5	0.2170E-04	45	0- 45	0.4670E-03	90-135	0.1876E-03
60-66.42	0.1461E 00	-7.5 TO 37.5	0.2495E-06	82.5-127.5	0.	60	0- 45	0.7523E-05	90-135	0.
0-15.00	0.6637E-01	-7.5 TO 52.5	0.1109E-02	82.5-142.5	0.8502E-03	0	0- 60	0.4402E-02	90-150	0.4402E-02
15-30.00	0.1946E 00	-7.5 TO 52.5	0.7238E-03	82.5-142.5	0.4250E-03	15	0- 60	0.3978E-02	90-150	0.2617E-02
30-45.00	0.3096E 00	-7.5 TO 52.5	0.2948E-03	82.5-142.5	0.1404E-03	30	0- 60	0.1928E-02	90-150	0.9624E-03
45-60.00	0.4034E 00	-7.5 TO 52.5	0.6258E-04	82.5-142.5	0.1959E-04	45	0- 60	0.5948E-03	90-150	0.2312E-03
60-66.42	0.1948E 00	-7.5 TO 52.5	0.1967E-06	82.5-142.5	0.	60	0- 60	0.7614E-05	90-150	0.
0-15.00	0.8257E-01	-7.5 TO 67.5	0.1092E-02	82.5-157.5	0.8326E-03	0	0- 75	0.5503E-02	90-165	0.5503E-02
15-30.00	0.2432E 00	-7.5 TO 67.5	0.7022E-03	82.5-157.5	0.4071E-03	15	0- 75	0.4841E-02	90-165	0.3179E-02
30-45.00	0.3865E 00	-7.5 TO 67.5	0.2831E-03	82.5-157.5	0.1321E-03	30	0- 75	0.2311E-02	90-165	0.1145E-02
45-60.00	0.5043E 00	-7.5 TO 67.5	0.5892E-04	82.5-157.5	0.1790E-04	45	0- 75	0.7041E-03	90-165	0.2700E-03
60-66.42	0.2435E 00	-7.5 TO 67.5	0.1576E-06	82.5-157.5	0.	60	0- 75	0.7614E-05	90-165	0.
0-15.00	0.9956E-01	-7.5 TO 82.5	0.1072E-02	82.5-172.5	0.8182E-03	0	0- 90	0.6604E-02	90-180	0.6604E-02
15-30.00	0.2915E 00	-7.5 TO 82.5	0.6778E-03	82.5-172.5	0.3926E-03	15	0- 90	0.5637E-02	90-180	0.3728E-02
30-45.00	0.4643E 00	-7.5 TO 82.5	0.2701E-03	82.5-172.5	0.1254E-03	30	0- 90	0.2646E-02	90-180	0.1320E-02
45-60.00	0.6051E 00	-7.5 TO 82.5	0.5491E-04	82.5-172.5	0.1657E-04	45	0- 90	0.7953E-03	90-180	0.3065E-03
60-66.42	0.2922E 00	-7.5 TO 82.5	0.1313E-06	82.5-172.5	0.	60	0- 90	0.7614E-05	90-180	0.
0-15.00	0.1162E 00	-7.5 TO 97.5	0.1050E-02	82.5-187.5	0.8071E-03	0	0-105	0.7704E-02	90-195	0.7704E-02
15-30.00	0.3405E 00	-7.5 TO 97.5	0.6520E-03	82.5-187.5	0.3815E-03	15	0-105	0.6368E-02	90-195	0.4277E-02
30-45.00	0.5417E 00	-7.5 TO 97.5	0.2566E-03	82.5-187.5	0.1203E-03	30	0-105	0.2936E-02	90-195	0.1496E-02
45-60.00	0.7060E 00	-7.5 TO 97.5	0.5096E-04	82.5-187.5	0.1557E-04	45	0-105	0.8703E-03	90-195	0.3430E-03
60-66.42	0.3409E 00	-7.5 TO 97.5	0.1126E-06	82.5-187.5	0.	60	0-105	0.7614E-05	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2400$ $\cosh \mu_2 = 3.8000$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 105.83$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1659E-01	-7.5 TO 7.5	0.1647E-02	82.5- 97.5	0.1248E-02	0	0- 15	0.1488E-02	90-105	0.1488E-02
15-30.00	0.4865E-01	-7.5 TO 7.5	0.1186E-02	82.5- 97.5	0.8869E-03	15	0- 15	0.1565E-02	90-105	0.9868E-03
30-45.00	0.7735E-01	-7.5 TO 7.5	0.5250E-03	82.5- 97.5	0.2482E-03	30	0- 15	0.8477E-03	90-105	0.3968E-03
45-60.00	0.1005E 00	-7.5 TO 7.5	0.1279E-03	82.5- 97.5	0.4059E-04	45	0- 15	0.2871E-03	90-105	0.1048E-03
60-66.42	0.4870E-01	-7.5 TO 7.5	0.3035E-05	82.5- 97.5	0.	60	0- 15	0.1611E-04	90-105	0.
0-15.00	0.3315E-01	-7.5 TO 22.5	0.1639E-02	82.5-112.5	0.1204E-02	0	0- 30	0.2976E-02	90-120	0.2976E-02
15-30.00	0.9730E-01	-7.5 TO 22.5	0.1176E-02	82.5-112.5	0.8383E-03	15	0- 30	0.3089E-02	90-120	0.1871E-02
30-45.00	0.1546E 00	-7.5 TO 22.5	0.5194E-03	82.5-112.5	0.2237E-03	30	0- 30	0.1660E-02	90-120	0.7238E-03
45-60.00	0.2017E 00	-7.5 TO 22.5	0.1258E-03	82.5-112.5	0.3484E-04	45	0- 30	0.5590E-03	90-120	0.1848E-03
60-66.42	0.9740E-01	-7.5 TO 22.5	0.2815E-05	82.5-112.5	0.	60	0- 30	0.2911E-04	90-120	0.
0-15.00	0.4978E-01	-7.5 TO 37.5	0.1622E-02	82.5-127.5	0.1164E-02	0	0- 45	0.4464E-02	90-135	0.4464E-02
15-30.00	0.1459E 00	-7.5 TO 37.5	0.1153E-02	82.5-127.5	0.5950E-03	15	0- 45	0.4536E-02	90-135	0.2569E-02
30-45.00	0.2322E 00	-7.5 TO 37.5	0.5058E-03	82.5-127.5	0.2024E-03	30	0- 45	0.2408E-02	90-135	0.9957E-03
45-60.00	0.3026E 00	-7.5 TO 37.5	0.1211E-03	82.5-127.5	0.3018E-04	45	0- 45	0.8033E-03	90-135	0.2465E-03
60-66.42	0.1461E 00	-7.5 TO 37.5	0.2390E-05	82.5-127.5	0.	60	0- 45	0.3705E-04	90-135	0.
0-15.00	0.6637E-01	-7.5 TO 52.5	0.1596E-02	82.5-142.5	0.1128E-02	0	0- 60	0.5952E-02	90-150	0.5952E-02
15-30.00	0.1948E 00	-7.5 TO 52.5	0.1119E-02	82.5-142.5	0.5574E-03	15	0- 60	0.5879E-02	90-150	0.3402E-02
30-45.00	0.3095E 00	-7.5 TO 52.5	0.4862E-03	82.5-142.5	0.1844E-03	30	0- 60	0.3071E-02	90-150	0.1227E-02
45-60.00	0.4034E 00	-7.5 TO 52.5	0.1144E-03	82.5-142.5	0.2648E-04	45	0- 60	0.1012E-02	90-150	0.2955E-03
60-66.42	0.1948E 00	-7.5 TO 52.5	0.1935E-05	82.5-142.5	0.	60	0- 60	0.3995E-04	90-150	0.
0-15.00	0.8257E-01	-7.5 TO 67.5	0.1564E-02	82.5-157.5	0.1097E-02	0	0- 75	0.7440E-02	90-165	0.7440E-02
15-30.00	0.2432E 00	-7.5 TO 67.5	0.1077E-02	82.5-157.5	0.5259E-03	15	0- 75	0.7104E-02	90-165	0.4091E-02
30-45.00	0.3869E 00	-7.5 TO 67.5	0.4623E-03	82.5-157.5	0.1697E-03	30	0- 75	0.3642E-02	90-165	0.1433E-02
45-60.00	0.5043E 00	-7.5 TO 67.5	0.1065E-03	82.5-157.5	0.2362E-04	45	0- 75	0.1184E-02	90-165	0.3374E-03
60-66.42	0.2435E 00	-7.5 TO 67.5	0.1568E-05	82.5-157.5	0.	60	0- 75	0.4018E-04	90-165	0.
0-15.00	0.9956E-01	-7.5 TO 82.5	0.1527E-02	82.5-172.5	0.1072E-02	0	0- 90	0.8929E-02	90-180	0.8929E-02
15-30.00	0.2915E 00	-7.5 TO 82.5	0.1030E-02	82.5-172.5	0.5005E-03	15	0- 90	0.8207E-02	90-180	0.4758E-02
30-45.00	0.4643E 00	-7.5 TO 82.5	0.4362E-03	82.5-172.5	0.1581E-03	30	0- 90	0.4121E-02	90-180	0.1626E-02
45-60.00	0.6051E 00	-7.5 TO 82.5	0.9794E-04	82.5-172.5	0.2143E-04	45	0- 90	0.1319E-02	90-180	0.3759E-03
60-66.42	0.2922E 00	-7.5 TO 82.5	0.1307E-05	82.5-172.5	0.	60	0- 90	0.4018E-04	90-180	0.
0-15.00	0.1162E 00	-7.5 TO 97.5	0.1487E-02	82.5-187.5	0.1053E-02	0	0-105	0.1042E-01	90-195	0.1042E-01
15-30.00	0.3405E 00	-7.5 TO 97.5	0.9809E-03	82.5-187.5	0.4811E-03	15	0-105	0.9193E-02	90-195	0.5425E-02
30-45.00	0.5417E 00	-7.5 TO 97.5	0.4093E-03	82.5-187.5	0.1493E-03	30	0-105	0.4518E-02	90-195	0.1819E-02
45-60.00	0.7066E 00	-7.5 TO 97.5	0.8978E-04	82.5-187.5	0.1980E-04	45	0-105	0.1424E-02	90-195	0.4145E-03
60-66.42	0.3405E 00	-7.5 TO 97.5	0.1120E-05	82.5-187.5	0.	60	0-105	0.4018E-04	90-195	0.

$r_2/r_1 = 0.20$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2400$ $\cosh \mu_2 = 3.8000$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 89.73$

0-15.00	0.1659E-01	-7.5 TO 7.5	0.1971E-02	82.5- 97.5	0.1398E-02	0	0- 15	0.1661E-02	90-105	0.1661E-02
15-30.00	0.4865E-01	-7.5 TO 7.5	0.1526E-02	82.5- 97.5	0.7793E-03	15	0- 15	0.1933E-02	90-105	0.1093E-02
30-45.00	0.7735E-01	-7.5 TO 7.5	0.7192E-03	82.5- 97.5	0.2873E-03	30	0- 15	0.1128E-02	90-105	0.4417E-03
45-60.00	0.1005E 00	-7.5 TO 7.5	0.1897E-03	82.5- 97.5	0.4898E-04	45	0- 15	0.4063E-03	90-105	0.1185E-03
60-66.42	0.4870E-01	-7.5 TO 7.5	0.8689E-05	82.5- 97.5	0.	60	0- 15	0.3391E-04	90-105	0.
0-15.00	0.3315E-01	-7.5 TO 22.5	0.1960E-02	82.5-112.5	0.1336E-02	0	0- 30	0.3321E-02	90-120	0.3321E-02
15-30.00	0.9730E-01	-7.5 TO 22.5	0.1510E-02	82.5-112.5	0.7096E-03	15	0- 30	0.3804E-02	90-120	0.2041E-02
30-45.00	0.1548E 00	-7.5 TO 22.5	0.7093E-03	82.5-112.5	0.2516E-03	30	0- 30	0.2202E-02	90-120	0.7857E-03
45-60.00	0.2017E 00	-7.5 TO 22.5	0.1861E-03	82.5-112.5	0.4051E-04	45	0- 30	0.7876E-03	90-120	0.2025E-03
60-66.42	0.9740E-01	-7.5 TO 22.5	0.8166E-05	82.5-112.5	0.	60	0- 30	0.6211E-04	90-120	0.
0-15.00	0.4978E-01	-7.5 TO 37.5	0.1935E-02	82.5-127.5	0.1280E-02	0	0- 45	0.4982E-02	90-135	0.4982E-02
15-30.00	0.1459E 00	-7.5 TO 37.5	0.1474E-02	82.5-127.5	0.6500E-03	15	0- 45	0.5562E-02	90-135	0.2877E-02
30-45.00	0.2322E 00	-7.5 TO 37.5	0.6874E-03	82.5-127.5	0.2225E-03	30	0- 45	0.3174E-02	90-135	0.1062E-02
45-60.00	0.3026E 00	-7.5 TO 37.5	0.1782E-03	82.5-127.5	0.3416E-04	45	0- 45	0.1124E-02	90-135	0.2647E-03
60-66.42	0.1461E 00	-7.5 TO 37.5	0.7131E-05	82.5-127.5	0.	60	0- 45	0.8083E-04	90-135	0.
0-15.00	0.6637E-01	-7.5 TO 52.5	0.1898E-02	82.5-142.5	0.1231E-02	0	0- 60	0.6642E-02	90-150	0.6642E-02
15-30.00	0.1948E 00	-7.5 TO 52.5	0.1423E-02	82.5-142.5	0.6008E-03	15	0- 60	0.7168E-02	90-150	0.3530E-02
30-45.00	0.3095E 00	-7.5 TO 52.5	0.6562E-03	82.5-142.5	0.1997E-03	30	0- 60	0.4015E-02	90-150	0.1293E-02
45-60.00	0.4034E 00	-7.5 TO 52.5	0.1672E-03	82.5-142.5	0.2947E-04	45	0- 60	0.1403E-02	90-150	0.3137E-03
60-66.42	0.1948E 00	-7.5 TO 52.5	0.5915E-05	82.5-142.5	0.	60	0- 60	0.8960E-04	90-150	0.
0-15.00	0.8257E-01	-7.5 TO 67.5	0.1851E-02	82.5-157.5	0.1190E-02	0	0- 75	0.8303E-02	90-165	0.8303E-02
15-30.00	0.2432E 00	-7.5 TO 67.5	0.1359E-02	82.5-157.5	0.5613E-03	15	0- 75	0.8602E-02	90-165	0.4332E-02
30-45.00	0.3869E 00	-7.5 TO 67.5	0.6186E-03	82.5-157.5	0.1819E-03	30	0- 75	0.4716E-02	90-165	0.1499E-02
45-60.00	0.5043E 00	-7.5 TO 67.5	0.1543E-03	82.5-157.5	0.2602E-04	45	0- 75	0.1624E-02	90-165	0.3556E-03
60-66.42	0.2435E 00	-7.5 TO 67.5	0.4841E-05	82.5-157.5	0.	60	0- 75	0.9155E-04	90-165	0.
0-15.00	0.9956E-01	-7.5 TO 82.5	0.1798E-02	82.5-172.5	0.1157E-02	0	0- 90	0.9963E-02	90-180	0.9963E-02
15-30.00	0.2915E 00	-7.5 TO 82.5	0.1289E-02	82.5-172.5	0.5302E-03	15	0- 90	0.9860E-02	90-180	0.5308E-02
30-45.00	0.4643E 00	-7.5 TO 82.5	0.5778E-03	82.5-172.5	0.1682E-03	30	0- 90	0.5279E-02	90-180	0.1692E-02
45-60.00	0.6051E 00	-7.5 TO 82.5	0.1405E-03	82.5-172.5	0.2343E-04	45	0- 90	0.1789E-02	90-180	0.3941E-03
60-66.42	0.2922E 00	-7.5 TO 82.5	0.4043E-05	82.5-172.5	0.	60	0- 90	0.9159E-04	90-180	0.
0-15.00	0.1162E 00	-7.5 TO 97.5	0.1741E-02	82.5-187.5	0.1131E-02	0	0-105	0.1162E-01	90-195	0.1162E-01
15-30.00	0.3405E 00	-7.5 TO 97.5	0.1210E-02	82.5-187.5	0.5067E-03	15	0-105	0.1095E-01	90-195	0.5684E-02
30-45.00	0.5417E 00	-7.5 TO 97.5	0.5393E-03	82.5-187.5	0.1580E-03	30	0-105	0.5721E-02	90-195	0.1886E-02
45-60.00	0.7066E 00	-7.5 TO 97.5	0.1275E-03	82.5-187.5	0.2151E-04	45	0-105	0.1907E-02	90-195	0.4327E-03
60-66.42	0.3405E 00	-7.5 TO 97.5	0.3465E-05	82.5-187.5	0.	60	0-105	0.9159E-04	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

r_2/r_1 = 0.20 d/r_1 = 2.000 $\cosh \mu_1$ = 1.2400 $\cosh \mu_2$ = 3.8000 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 74.74

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1655E-01	-7.5 TO 7.5	0.2067E-02	82.5- 97.5	0.1405E-02	0	0- 15	0.1667E-02	90-105	0.1667E-02
15-30.00	0.4865E-01	-7.5 TO 7.5	0.1742E-02	82.5- 97.5	0.7855E-03	15	0- 15	0.2087E-02	90-105	0.1095E-02
30-45.00	0.7739E-01	-7.5 TO 7.5	0.9016E-03	82.5- 97.5	0.2915E-03	30	C- 15	0.1355E-02	90-105	0.4427E-03
45-60.00	0.1005E 00	-7.5 TO 7.5	0.2616E-03	82.5- 97.5	0.5028E-04	45	0- 15	0.5336E-03	90-105	0.1190E-03
60-66.42	0.4870E-01	-7.5 TO 7.5	0.1951E-04	82.5- 97.5	0.	60	0- 15	0.5953E-04	90-105	0.
0-15.00	0.3319E-01	-7.5 TO 22.5	0.2053E-02	82.5-112.5	0.1340E-02	0	C- 30	0.3333E-02	90-120	0.3333E-02
15-30.00	0.9730E-01	-7.5 TO 22.5	0.1719E-02	82.5-112.5	0.7128E-03	15	C- 30	0.4096E-02	90-120	0.2043E-02
30-45.00	0.1546E 00	-7.5 TO 22.5	0.8858E-03	82.5-112.5	0.2538E-03	30	C- 30	0.2625E-02	90-120	0.7867E-03
45-60.00	0.2017E 00	-7.5 TO 22.5	0.2558E-03	82.5-112.5	0.4118E-04	45	C- 30	0.1026E-02	90-120	0.2030E-03
60-66.42	0.9746E-01	-7.5 TO 22.5	0.1834E-04	82.5-112.5	0.	60	0- 30	0.1091E-03	90-120	0.
0-15.00	0.4978E-01	-7.5 TO 37.5	0.2023E-02	82.5-127.5	0.1283E-02	0	0- 45	0.5000E-02	90-135	0.5000E-02
15-30.00	0.1459E 00	-7.5 TO 37.5	0.1669E-02	82.5-127.5	0.6521E-03	15	0- 45	0.5959E-02	90-135	0.2878E-02
30-45.00	0.2322E 00	-7.5 TO 37.5	0.8512E-03	82.5-127.5	0.2240E-03	30	C- 45	0.3744E-02	90-135	0.1063E-02
45-60.00	0.3026E 00	-7.5 TO 37.5	0.2425E-03	82.5-127.5	0.3460E-04	45	0- 45	0.1445E-02	90-135	0.2652E-03
60-66.42	0.1461E 00	-7.5 TO 37.5	0.1605E-04	82.5-127.5	0.	60	0- 45	0.1421E-03	90-135	0.
0-15.00	0.6637E-01	-7.5 TO 52.5	0.1978E-02	82.5-142.5	0.1233E-02	0	C- 60	0.6667E-02	90-150	0.6667E-02
15-30.00	0.1946E 00	-7.5 TO 52.5	0.1597E-02	82.5-142.5	0.6025E-03	15	C- 60	0.7634E-02	90-150	0.3632E-02
30-45.00	0.3056E 00	-7.5 TO 52.5	0.8026E-03	82.5-142.5	0.2007E-03	30	C- 60	0.4678E-02	90-150	0.1294E-02
45-60.00	0.4034E 00	-7.5 TO 52.5	0.2243E-03	82.5-142.5	0.2980E-04	45	C- 60	0.1775E-02	90-150	0.3142E-03
60-66.42	0.1948E 00	-7.5 TO 52.5	0.1338E-04	82.5-142.5	0.	60	C- 60	0.1578E-03	90-150	0.
0-15.00	0.8297E-01	-7.5 TO 67.5	0.1922E-02	82.5-157.5	0.1192E-02	0	C- 75	0.8333E-02	90-165	0.8333E-02
15-30.00	0.2432E 00	-7.5 TO 67.5	0.1512E-02	82.5-157.5	0.5626E-03	15	0- 75	0.9105E-02	90-165	0.4334E-02
30-45.00	0.3869E 00	-7.5 TO 67.5	0.7461E-03	82.5-157.5	0.1828E-03	30	C- 75	0.5422E-02	90-165	0.1500E-02
45-60.00	0.5043E 00	-7.5 TO 67.5	0.2037E-03	82.5-157.5	0.2628E-04	45	0- 75	0.2018E-02	90-165	0.3560E-03
60-66.42	0.2435E 00	-7.5 TO 67.5	0.1099E-04	82.5-157.5	0.	60	C- 75	0.1618E-03	90-165	0.
0-15.00	0.9956E-01	-7.5 TO 82.5	0.1860E-02	82.5-172.5	0.1158E-02	0	C- 90	0.1000E-01	90-180	0.1000E-01
15-30.00	0.2915E 00	-7.5 TO 82.5	0.1421E-02	82.5-172.5	0.5313E-03	15	0- 90	0.1038E-01	90-180	0.5010E-02
30-45.00	0.4643E 00	-7.5 TO 82.5	0.6874E-03	82.5-172.5	0.1690E-03	30	C- 90	0.5999E-02	90-180	0.1693E-02
45-60.00	0.6051E 00	-7.5 TO 82.5	0.1829E-03	82.5-172.5	0.2365E-04	45	0- 90	0.2190E-02	90-180	0.3946E-03
60-66.42	0.2922E 00	-7.5 TO 82.5	0.9185E-05	82.5-172.5	0.	60	C- 90	0.1619E-03	90-180	0.
0-15.00	0.1162E 00	-7.5 TO 97.5	0.1795E-02	82.5-187.5	0.1132E-02	0	0-105	0.1167E-01	90-195	0.1167E-01
15-30.00	0.3405E 00	-7.5 TO 97.5	0.1330E-02	82.5-187.5	0.5076E-03	15	0-105	0.1147E-01	90-195	0.5686E-02
30-45.00	0.5417E 00	-7.5 TO 97.5	0.6309E-03	82.5-187.5	0.1586E-03	30	C-105	0.6441E-02	90-195	0.1887E-02
45-60.00	0.7060E 00	-7.5 TO 97.5	0.1639E-03	82.5-187.5	0.2170E-04	45	0-105	0.2309E-02	90-195	0.4332E-03
60-66.42	0.3469E 00	-7.5 TO 97.5	0.7873E-05	82.5-187.5	0.	60	C-105	0.1619E-03	90-195	0.

r_2/r_1 = 0.20 d/r_1 = 2.00 $\cosh \mu_1$ = 1.2400 $\cosh \mu_2$ = 3.8000 $\alpha_{2,max}$ = 105.00 $\theta_{2,min}$ = 60.75

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1655E-01	-7.5 TO 7.5	0.2067E-02	82.5- 97.5	0.1405E-02	0	0- 15	0.1667E-02	90-105	0.1667E-02
15-30.00	0.4865E-01	-7.5 TO 7.5	0.1742E-02	82.5- 97.5	0.7855E-03	15	0- 15	0.2087E-02	90-105	0.1095E-02
30-45.00	0.7739E-01	-7.5 TO 7.5	0.9016E-03	82.5- 97.5	0.2915E-03	30	C- 15	0.1355E-02	90-105	0.4427E-03
45-60.00	0.1005E 00	-7.5 TO 7.5	0.2616E-03	82.5- 97.5	0.5028E-04	45	0- 15	0.5336E-03	90-105	0.1190E-03
60-66.42	0.4870E-01	-7.5 TO 7.5	0.1951E-04	82.5- 97.5	0.	60	0- 15	0.5953E-04	90-105	0.
0-15.00	0.3319E-01	-7.5 TO 22.5	0.2053E-02	82.5-112.5	0.1340E-02	0	C- 30	0.3333E-02	90-120	0.3333E-02
15-30.00	0.9730E-01	-7.5 TO 22.5	0.1719E-02	82.5-112.5	0.7128E-03	15	C- 30	0.4096E-02	90-120	0.2043E-02
30-45.00	0.1546E 00	-7.5 TO 22.5	0.8858E-03	82.5-112.5	0.2538E-03	30	C- 30	0.2625E-02	90-120	0.7867E-03
45-60.00	0.2017E 00	-7.5 TO 22.5	0.2558E-03	82.5-112.5	0.4118E-04	45	C- 30	0.1026E-02	90-120	0.2030E-03
60-66.42	0.9746E-01	-7.5 TO 22.5	0.1834E-04	82.5-112.5	0.	60	0- 30	0.1091E-03	90-120	0.
0-15.00	0.4978E-01	-7.5 TO 37.5	0.2023E-02	82.5-127.5	0.1283E-02	0	0- 45	0.5000E-02	90-135	0.5000E-02
15-30.00	0.1459E 00	-7.5 TO 37.5	0.1669E-02	82.5-127.5	0.6521E-03	15	0- 45	0.5959E-02	90-135	0.2878E-02
30-45.00	0.2322E 00	-7.5 TO 37.5	0.8512E-03	82.5-127.5	0.2240E-03	30	C- 45	0.3744E-02	90-135	0.1063E-02
45-60.00	0.3026E 00	-7.5 TO 37.5	0.2425E-03	82.5-127.5	0.3460E-04	45	0- 45	0.1445E-02	90-135	0.2652E-03
60-66.42	0.1461E 00	-7.5 TO 37.5	0.1605E-04	82.5-127.5	0.	60	0- 45	0.1421E-03	90-135	0.
0-15.00	0.6637E-01	-7.5 TO 52.5	0.1978E-02	82.5-142.5	0.1233E-02	0	C- 60	0.6667E-02	90-150	0.6667E-02
15-30.00	0.1946E 00	-7.5 TO 52.5	0.1597E-02	82.5-142.5	0.6025E-03	15	C- 60	0.7634E-02	90-150	0.3632E-02
30-45.00	0.3056E 00	-7.5 TO 52.5	0.8026E-03	82.5-142.5	0.2007E-03	30	C- 60	0.4678E-02	90-150	0.1294E-02
45-60.00	0.4034E 00	-7.5 TO 52.5	0.2243E-03	82.5-142.5	0.2980E-04	45	C- 60	0.1775E-02	90-150	0.3142E-03
60-66.42	0.1948E 00	-7.5 TO 52.5	0.1338E-04	82.5-142.5	0.	60	C- 60	0.1578E-03	90-150	0.
0-15.00	0.8297E-01	-7.5 TO 67.5	0.1922E-02	82.5-157.5	0.1192E-02	0	C- 75	0.8333E-02	90-165	0.8333E-02
15-30.00	0.2432E 00	-7.5 TO 67.5	0.1512E-02	82.5-157.5	0.5626E-03	15	0- 75	0.9105E-02	90-165	0.4334E-02
30-45.00	0.3869E 00	-7.5 TO 67.5	0.7461E-03	82.5-157.5	0.1828E-03	30	C- 75	0.5422E-02	90-165	0.1500E-02
45-60.00	0.5043E 00	-7.5 TO 67.5	0.2037E-03	82.5-157.5	0.2628E-04	45	0- 75	0.2018E-02	90-165	0.3560E-03
60-66.42	0.2435E 00	-7.5 TO 67.5	0.1099E-04	82.5-157.5	0.	60	C- 75	0.1618E-03	90-165	0.
0-15.00	0.9956E-01	-7.5 TO 82.5	0.1860E-02	82.5-172.5	0.1158E-02	0	C- 90	0.1000E-01	90-180	0.1000E-01
15-30.00	0.2915E 00	-7.5 TO 82.5	0.1421E-02	82.5-172.5	0.5313E-03	15	0- 90	0.1038E-01	90-180	0.5010E-02
30-45.00	0.4643E 00	-7.5 TO 82.5	0.6874E-03	82.5-172.5	0.1690E-03	30	C- 90	0.5999E-02	90-180	0.1693E-02
45-60.00	0.6051E 00	-7.5 TO 82.5	0.1829E-03	82.5-172.5	0.2365E-04	45	0- 90	0.2190E-02	90-180	0.3946E-03
60-66.42	0.2922E 00	-7.5 TO 82.5	0.9185E-05	82.5-172.5	0.	60	C- 90	0.1619E-03	90-180	0.
0-15.00	0.1162E 00	-7.5 TO 97.5	0.1795E-02	82.5-187.5	0.1132E-02	0	0-105	0.1167E-01	90-195	0.1167E-01
15-30.00	0.3405E 00	-7.5 TO 97.5	0.1330E-02	82.5-187.5	0.5076E-03	15	0-105	0.1147E-01	90-195	0.5686E-02
30-45.00	0.5417E 00	-7.5 TO 97.5	0.6309E-03	82.5-187.5	0.1586E-03	30	C-105	0.6441E-02	90-195	0.1887E-02
45-60.00	0.7060E 00	-7.5 TO 97.5	0.1639E-03	82.5-187.5	0.2170E-04	45	0-105	0.2309E-02	90-195	0.4332E-03
60-66.42	0.3469E 00	-7.5 TO 97.5	0.7873E-05	82.5-187.5	0.	60	C-105	0.1619E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2400$ $\cosh \mu_2 = 3.8000$ $\alpha_{2,max} = 113.58$ $\theta_{2,min} = 53.13$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1655E-01	-7.5 TO 7.5	0.2067E-02	82.5- 97.5	0.1405E-02	0	0- 15	0.1667E-02	90-105	0.1667E-02
15-30.00	0.4625E-01	-7.5 TO 7.5	0.1742E-02	82.5- 97.5	0.7855E-03	15	0- 15	0.2087E-02	90-105	0.1095E-02
30-45.00	0.7735E-01	-7.5 TO 7.5	0.9032E-03	82.5- 97.5	0.2915E-03	30	0- 15	0.1355E-02	90-105	0.4427E-03
45-60.00	0.1065E 00	-7.5 TO 7.5	0.2641E-03	82.5- 97.5	0.5028E-04	45	0- 15	0.5365E-03	90-105	0.1190E-03
60-66.42	0.4870E-01	-7.5 TO 7.5	0.2013E-04	82.5- 97.5	0.	60	0- 15	0.6077E-04	90-105	0.
0-15.00	0.3315E-01	-7.5 TO 22.5	0.2053E-02	82.5-112.5	0.1340E-02	0	0- 30	0.3333E-02	90-120	0.3333E-02
15-30.00	0.9730E-01	-7.5 TO 22.5	0.1719E-02	82.5-112.5	0.7128E-03	15	0- 30	0.4096E-02	90-120	0.2043E-02
30-45.00	0.1548E 00	-7.5 TO 22.5	0.8871E-03	82.5-112.5	0.2538E-03	30	0- 30	0.2625E-02	90-120	0.7867E-03
45-60.00	0.2017E 00	-7.5 TO 22.5	0.2578E-03	82.5-112.5	0.4118E-04	45	0- 30	0.1030E-02	90-120	0.2030E-03
60-66.42	0.9740E-01	-7.5 TO 22.5	0.1889E-04	82.5-112.5	0.	60	0- 30	0.1110E-03	90-120	0.
0-15.00	0.4978E-01	-7.5 TO 37.5	0.2023E-02	82.5-127.5	0.1283E-02	0	0- 45	0.5000E-02	90-135	0.5000E-02
15-30.00	0.1459E 00	-7.5 TO 37.5	0.1669E-02	82.5-127.5	0.6521E-03	15	0- 45	0.5959E-02	90-135	0.2878E-02
30-45.00	0.2322E 00	-7.5 TO 37.5	0.8521E-03	82.5-127.5	0.2240E-03	30	0- 45	0.3744E-02	90-135	0.1063E-02
45-60.00	0.3026E 00	-7.5 TO 37.5	0.2442E-03	82.5-127.5	0.3460E-04	45	0- 45	0.1449E-02	90-135	0.2652E-03
60-66.42	0.1461E 00	-7.5 TO 37.5	0.1647E-04	82.5-127.5	0.	60	0- 45	0.1441E-03	90-135	0.
0-15.00	0.6637E-01	-7.5 TO 52.5	0.1978E-02	82.5-142.5	0.1233E-02	0	0- 60	0.6667E-02	90-150	0.6667E-02
15-30.00	0.1946E 00	-7.5 TO 52.5	0.1597E-02	82.5-142.5	0.6025E-03	15	0- 60	0.7634E-02	90-150	0.3532E-02
30-45.00	0.3096E 00	-7.5 TO 52.5	0.8033E-03	82.5-142.5	0.2007E-03	30	0- 60	0.4678E-02	90-150	0.1294E-02
45-60.00	0.4034E 00	-7.5 TO 52.5	0.2256E-03	82.5-142.5	0.2980E-04	45	0- 60	0.1779E-02	90-150	0.3142E-03
60-66.42	0.1946E 00	-7.5 TO 52.5	0.1370E-04	82.5-142.5	0.	60	0- 60	0.1599E-03	90-150	0.
0-15.00	0.8257E-01	-7.5 TO 67.5	0.1922E-02	82.5-157.5	0.1192E-02	0	0- 75	0.8333E-02	90-165	0.8333E-02
15-30.00	0.2432E 00	-7.5 TO 67.5	0.1512E-02	82.5-157.5	0.5626E-03	15	0- 75	0.9105E-02	90-165	0.4334E-02
30-45.00	0.3869E 00	-7.5 TO 67.5	0.7467E-03	82.5-157.5	0.1828E-03	30	0- 75	0.5422E-02	90-165	0.1500E-02
45-60.00	0.5043E 00	-7.5 TO 67.5	0.2047E-03	82.5-157.5	0.2628E-04	45	0- 75	0.2023E-02	90-165	0.3560E-03
60-66.42	0.2435E 00	-7.5 TO 67.5	0.1125E-04	82.5-157.5	0.	60	0- 75	0.1638E-03	90-165	0.
0-15.00	0.9956E-01	-7.5 TO 82.5	0.1860E-02	82.5-172.5	0.1158E-02	0	0- 90	0.1000E-01	90-180	0.1000E-01
15-30.00	0.2915E 00	-7.5 TO 82.5	0.1421E-02	82.5-172.5	0.5313E-03	15	0- 90	0.1038E-01	90-180	0.5010E-02
30-45.00	0.4643E 00	-7.5 TO 82.5	0.6879E-03	82.5-172.5	0.1690E-03	30	0- 90	0.5999E-02	90-180	0.1693E-02
45-60.00	0.6051E 00	-7.5 TO 82.5	0.1837E-03	82.5-172.5	0.2365E-04	45	0- 90	0.2194E-02	90-180	0.3946E-03
60-66.42	0.2922E 00	-7.5 TO 82.5	0.9397E-05	82.5-172.5	0.	60	0- 90	0.1640E-03	90-180	0.
0-15.00	0.1162E 00	-7.5 TO 97.5	0.1795E-02	82.5-187.5	0.1132E-02	0	0-105	0.1167E-01	90-195	0.1167E-01
15-30.00	0.3405E 00	-7.5 TO 97.5	0.1330E-02	82.5-187.5	0.5076E-03	15	0-105	0.1147E-01	90-195	0.5686E-02
30-45.00	0.5413E 00	-7.5 TO 97.5	0.6313E-03	82.5-187.5	0.1586E-03	30	0-105	0.6441E-02	90-195	0.1887E-02
45-60.00	0.7066E 00	-7.5 TO 97.5	0.1647E-03	82.5-187.5	0.2170E-04	45	0-105	0.2313E-02	90-195	0.4332E-03
60-66.42	0.3405E 00	-7.5 TO 97.5	0.8055E-05	82.5-187.5	0.	60	0-105	0.1640E-03	90-195	0.

$r_2/r_1 = 0.20$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6600$ $\cosh \mu_2 = 6.7000$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 162.60$

0-15.00	0.5081E-02	-7.5 TO 7.5	0.3258E-04	82.5- 97.5	0.3173E-04	0	0- 15	0.3417E-04	90-105	0.3417E-04
15-30.00	0.1495E-01	-7.5 TO 7.5	0.2535E-04	82.5- 97.5	0.2392E-04	15	0- 15	0.3061E-04	90-105	0.2926E-04
30-45.00	0.2370E-01	-7.5 TO 7.5	0.1516E-04	82.5- 97.5	0.1389E-04	30	0- 15	0.2065E-04	90-105	0.1900E-04
45-60.00	0.3088E-01	-7.5 TO 7.5	0.6561E-05	82.5- 97.5	0.5827E-05	45	0- 15	0.1058E-04	90-105	0.9432E-05
60-74.53	0.3466E-01	-7.5 TO 7.5	0.1022E-05	82.5- 97.5	0.8122E-06	60	0- 15	0.3278E-05	90-105	0.2749E-05
0-15.00	0.1014E-01	-7.5 TO 22.5	0.3257E-04	82.5-112.5	0.3162E-04	0	0- 30	0.6834E-04	90-120	0.6834E-04
15-30.00	0.2975E-01	-7.5 TO 22.5	0.2532E-04	82.5-112.5	0.2374E-04	15	0- 30	0.6114E-04	90-120	0.5823E-04
30-45.00	0.4746E-01	-7.5 TO 22.5	0.1514E-04	82.5-112.5	0.1374E-04	30	0- 30	0.4119E-04	90-120	0.3765E-04
45-60.00	0.6177E-01	-7.5 TO 22.5	0.6548E-05	82.5-112.5	0.5737E-05	45	0- 30	0.2109E-04	90-120	0.1862E-04
60-74.53	0.6955E-01	-7.5 TO 22.5	0.1018E-05	82.5-112.5	0.7889E-06	60	0- 30	0.6522E-05	90-120	0.5389E-05
0-15.00	0.1524E-01	-7.5 TO 37.5	0.3254E-04	82.5-127.5	0.3151E-04	0	0- 45	0.1025E-03	90-135	0.1025E-03
15-30.00	0.4469E-01	-7.5 TO 37.5	0.2527E-04	82.5-127.5	0.2357E-04	15	0- 45	0.9151E-04	90-135	0.8693E-04
30-45.00	0.7110E-01	-7.5 TO 37.5	0.1509E-04	82.5-127.5	0.1359E-04	30	0- 45	0.6154E-04	90-135	0.5598E-04
45-60.00	0.9265E-01	-7.5 TO 37.5	0.6519E-05	82.5-127.5	0.5622E-05	45	0- 45	0.3147E-04	90-135	0.2759E-04
60-74.53	0.1044E 00	-7.5 TO 37.5	0.1009E-05	82.5-127.5	0.7671E-06	60	0- 45	0.9702E-05	90-135	0.7932E-05
0-15.00	0.2033E-01	-7.5 TO 52.5	0.3248E-04	82.5-142.5	0.3142E-04	0	0- 60	0.1367E-03	90-150	0.1367E-03
15-30.00	0.5955E-01	-7.5 TO 52.5	0.2518E-04	82.5-142.5	0.2341E-04	15	0- 60	0.1217E-03	90-150	0.1154E-03
30-45.00	0.9479E-01	-7.5 TO 52.5	0.1501E-04	82.5-142.5	0.1345E-04	30	0- 60	0.8161E-04	90-150	0.7406E-04
45-60.00	0.1235E 00	-7.5 TO 52.5	0.6474E-05	82.5-142.5	0.5575E-05	45	0- 60	0.4165E-04	90-150	0.3638E-04
60-74.53	0.1392E 00	-7.5 TO 52.5	0.9960E-06	82.5-142.5	0.7475E-06	60	0- 60	0.1279E-04	90-150	0.1040E-04
0-15.00	0.2541E-01	-7.5 TO 67.5	0.3242E-04	82.5-157.5	0.3133E-04	0	0- 75	0.1709E-03	90-165	0.1709E-03
15-30.00	0.7449E-01	-7.5 TO 67.5	0.2507E-04	82.5-157.5	0.2328E-04	15	0- 75	0.1515E-03	90-165	0.1438E-03
30-45.00	0.1185E 00	-7.5 TO 67.5	0.1491E-04	82.5-157.5	0.1333E-04	30	0- 75	0.1014E-03	90-165	0.9195E-04
45-60.00	0.1544E 00	-7.5 TO 67.5	0.6416E-05	82.5-157.5	0.5508E-05	45	0- 75	0.5159E-04	90-165	0.4505E-04
60-74.53	0.1740E 00	-7.5 TO 67.5	0.9788E-06	82.5-157.5	0.7305E-06	60	0- 75	0.1578E-04	90-165	0.1281E-04
0-15.00	0.3049E-01	-7.5 TO 82.5	0.3234E-04	82.5-172.5	0.3127E-04	0	0- 90	0.2050E-03	90-180	0.2050E-03
15-30.00	0.8938E-01	-7.5 TO 82.5	0.2494E-04	82.5-172.5	0.2316E-04	15	0- 90	0.1811E-03	90-180	0.1720E-03
30-45.00	0.1422E 00	-7.5 TO 82.5	0.1479E-04	82.5-172.5	0.1324E-04	30	0- 90	0.1207E-03	90-180	0.1098E-03
45-60.00	0.1853E 00	-7.5 TO 82.5	0.6349E-05	82.5-172.5	0.5452E-05	45	0- 90	0.6128E-04	90-180	0.5366E-04
60-74.53	0.2088E 00	-7.5 TO 82.5	0.9592E-06	82.5-172.5	0.7165E-06	60	0- 90	0.1864E-04	90-180	0.1520E-04
0-15.00	0.3657E-01	-7.5 TO 97.5	0.3225E-04	82.5-187.5	0.3121E-04	0	0-105	0.2392E-03	90-195	0.2392E-03
15-30.00	0.1043E 00	-7.5 TO 97.5	0.2479E-04	82.5-187.5	0.2307E-04	15	0-105	0.2104E-03	90-195	0.2003E-03
30-45.00	0.1659E 00	-7.5 TO 97.5	0.1467E-04	82.5-187.5	0.1316E-04	30	0-105	0.1397E-03	90-195	0.1276E-03
45-60.00	0.2162E 00	-7.5 TO 97.5	0.6274E-05	82.5-187.5	0.5410E-05	45	0-105	0.7072E-04	90-195	0.6228E-04
60-74.53	0.2436E 00	-7.5 TO 97.5	0.9382E-06	82.5-187.5	0.7057E-06	60	0-105	0.2139E-04	90-195	0.1759E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6600$ $\cosh \mu_2 = 6.7000$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 145.40$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5081E-02	-7.5 TO 7.5	0.1219E-03	82.5- 97.5	0.1156E-03	0	0- 15	0.1245E-03	90-105	0.1245E-03
15-30.00	0.1450E-01	-7.5 TO 7.5	0.9802E-04	82.5- 97.5	0.8736E-04	15	0- 15	0.1161E-03	90-105	0.1062E-03
30-45.00	0.2370E-01	-7.5 TO 7.5	0.6046E-04	82.5- 97.5	0.5091E-04	30	0- 15	0.8111E-04	90-105	0.6883E-04
45-60.00	0.3088E-01	-7.5 TO 7.5	0.2706E-04	82.5- 97.5	0.2145E-04	45	0- 15	0.4287E-04	90-105	0.3417E-04
60-74.53	0.3480E-01	-7.5 TO 7.5	0.4695E-05	82.5- 97.5	0.3029E-05	60	0- 15	0.1400E-04	90-105	0.9968E-05
0-15.00	0.1016E-01	-7.5 TO 22.5	0.1218E-03	82.5-112.5	0.1149E-03	0	0- 30	0.2490E-03	90-120	0.2490E-03
15-30.00	0.2979E-01	-7.5 TO 22.5	0.9783E-04	82.5-112.5	0.8605E-04	15	0- 30	0.2316E-03	90-120	0.2102E-03
30-45.00	0.4744E-01	-7.5 TO 22.5	0.6028E-04	82.5-112.5	0.4977E-04	30	0- 30	0.1614E-03	90-120	0.1351E-03
45-60.00	0.6177E-01	-7.5 TO 22.5	0.2695E-04	82.5-112.5	0.2080E-04	45	0- 30	0.8517E-04	90-120	0.6656E-04
60-74.53	0.6959E-01	-7.5 TO 22.5	0.4663E-05	82.5-112.5	0.2863E-05	60	0- 30	0.2773E-04	90-120	0.1916E-04
0-15.00	0.1524E-01	-7.5 TO 37.5	0.1216E-03	82.5-127.5	0.1141E-03	0	0- 45	0.3734E-03	90-135	0.3734E-03
15-30.00	0.4469E-01	-7.5 TO 37.5	0.9740E-04	82.5-127.5	0.8482E-04	15	0- 45	0.3459E-03	90-135	0.3123E-03
30-45.00	0.7116E-01	-7.5 TO 37.5	0.5989E-04	82.5-127.5	0.4869E-04	30	0- 45	0.2403E-03	90-135	0.1991E-03
45-60.00	0.9265E-01	-7.5 TO 37.5	0.2672E-04	82.5-127.5	0.2019E-04	45	0- 45	0.1264E-03	90-135	0.9743E-04
60-74.53	0.1044E 00	-7.5 TO 37.5	0.4590E-05	82.5-127.5	0.2711E-05	60	0- 45	0.4095E-04	90-135	0.2768E-04
0-15.00	0.2032E-01	-7.5 TO 52.5	0.1212E-03	82.5-142.5	0.1134E-03	0	0- 60	0.4979E-03	90-150	0.4979E-03
15-30.00	0.5959E-01	-7.5 TO 52.5	0.9675E-04	82.5-142.5	0.8369E-04	15	0- 60	0.4586E-03	90-150	0.4129E-03
30-45.00	0.9479E-01	-7.5 TO 52.5	0.5930E-04	82.5-142.5	0.4773E-04	30	0- 60	0.3171E-03	90-150	0.2613E-03
45-60.00	0.1235E 00	-7.5 TO 52.5	0.2637E-04	82.5-142.5	0.1965E-04	45	0- 60	0.1661E-03	90-150	0.1271E-03
60-74.53	0.1392E 00	-7.5 TO 52.5	0.4481E-05	82.5-142.5	0.2577E-05	60	0- 60	0.5347E-04	90-150	0.3569E-04
0-15.00	0.2541E-01	-7.5 TO 67.5	0.1207E-03	82.5-157.5	0.1128E-03	0	0- 75	0.6224E-03	90-165	0.6224E-03
15-30.00	0.7449E-01	-7.5 TO 67.5	0.9592E-04	82.5-157.5	0.8272E-04	15	0- 75	0.5692E-03	90-165	0.5124E-03
30-45.00	0.1185E 00	-7.5 TO 67.5	0.5855E-04	82.5-157.5	0.4689E-04	30	0- 75	0.3913E-03	90-165	0.3222E-03
45-60.00	0.1544E 00	-7.5 TO 67.5	0.2592E-04	82.5-157.5	0.1918E-04	45	0- 75	0.2041E-03	90-165	0.1559E-03
60-74.53	0.1740E 00	-7.5 TO 67.5	0.4344E-05	82.5-157.5	0.2463E-05	60	0- 75	0.6517E-04	90-165	0.4335E-04
0-15.00	0.3049E-01	-7.5 TO 82.5	0.1201E-03	82.5-172.5	0.1123E-03	0	0- 90	0.7469E-03	90-180	0.7469E-03
15-30.00	0.8938E-01	-7.5 TO 82.5	0.9494E-04	82.5-172.5	0.8191E-04	15	0- 90	0.6776E-03	90-180	0.6113E-03
30-45.00	0.1422E 00	-7.5 TO 82.5	0.5767E-04	82.5-172.5	0.4619E-04	30	0- 90	0.4629E-03	90-180	0.3825E-03
45-60.00	0.1853E 00	-7.5 TO 82.5	0.2540E-04	82.5-172.5	0.1880E-04	45	0- 90	0.2402E-03	90-180	0.1843E-03
60-74.53	0.2088E 00	-7.5 TO 82.5	0.4187E-05	82.5-172.5	0.2370E-05	60	0- 90	0.7599E-04	90-180	0.5084E-04
0-15.00	0.3557E-01	-7.5 TO 97.5	0.1195E-03	82.5-187.5	0.1119E-03	0	0-105	0.8714E-03	90-195	0.8714E-03
15-30.00	0.1043E 00	-7.5 TO 97.5	0.9385E-04	82.5-187.5	0.8128E-04	15	0-105	0.7838E-03	90-195	0.7103E-03
30-45.00	0.1659E 00	-7.5 TO 97.5	0.5670E-04	82.5-187.5	0.4566E-04	30	0-105	0.5317E-03	90-195	0.4429E-03
45-60.00	0.2162E 00	-7.5 TO 97.5	0.2484E-04	82.5-187.5	0.1850E-04	45	0-105	0.2744E-03	90-195	0.2126E-03
60-74.53	0.2436E 00	-7.5 TO 97.5	0.4022E-05	82.5-187.5	0.2299E-05	60	0-105	0.8595E-04	90-195	0.5832E-04

$r_2/r_1 = 0.20$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6600$ $\cosh \mu_2 = 6.7000$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 128.58$

0-15.00	0.5081E-02	-7.5 TO 7.5	0.2415E-03	82.5- 97.5	0.2230E-03	0	0- 15	0.2399E-03	90-105	0.2399E-03
15-30.00	0.1490E-01	-7.5 TO 7.5	0.2006E-03	82.5- 97.5	0.1689E-03	15	0- 15	0.2330E-03	90-105	0.2038E-03
30-45.00	0.2370E-01	-7.5 TO 7.5	0.1276E-03	82.5- 97.5	0.9894E-04	30	0- 15	0.1687E-03	90-105	0.1321E-03
45-60.00	0.3088E-01	-7.5 TO 7.5	0.5898E-04	82.5- 97.5	0.4198E-04	45	0- 15	0.9189E-04	90-105	0.6570E-04
60-74.53	0.3480E-01	-7.5 TO 7.5	0.1120E-04	82.5- 97.5	0.6039E-05	60	0- 15	0.3148E-04	90-105	0.1927E-04
0-15.00	0.1016E-01	-7.5 TO 22.5	0.2412E-03	82.5-112.5	0.2207E-03	0	0- 30	0.4797E-03	90-120	0.4797E-03
15-30.00	0.2979E-01	-7.5 TO 22.5	0.2000E-03	82.5-112.5	0.1651E-03	15	0- 30	0.4642E-03	90-120	0.4014E-03
30-45.00	0.4744E-01	-7.5 TO 22.5	0.1271E-03	82.5-112.5	0.9561E-04	30	0- 30	0.3350E-03	90-120	0.2567E-03
45-60.00	0.6177E-01	-7.5 TO 22.5	0.5866E-04	82.5-112.5	0.4009E-04	45	0- 30	0.1820E-03	90-120	0.1263E-03
60-74.53	0.6956E-01	-7.5 TO 22.5	0.1109E-04	82.5-112.5	0.5570E-05	60	0- 30	0.6210E-04	90-120	0.3633E-04
0-15.00	0.1524E-01	-7.5 TO 37.5	0.2404E-03	82.5-127.5	0.2185E-03	0	0- 45	0.7196E-03	90-135	0.7196E-03
15-30.00	0.4469E-01	-7.5 TO 37.5	0.1987E-03	82.5-127.5	0.1616E-03	15	0- 45	0.6919E-03	90-135	0.5935E-03
30-45.00	0.7110E-01	-7.5 TO 37.5	0.1259E-03	82.5-127.5	0.9252E-04	30	0- 45	0.4967E-03	90-135	0.3749E-03
45-60.00	0.9265E-01	-7.5 TO 37.5	0.5793E-04	82.5-127.5	0.3836E-04	45	0- 45	0.2689E-03	90-135	0.1825E-03
60-74.53	0.1044E 00	-7.5 TO 37.5	0.1085E-04	82.5-127.5	0.5152E-05	60	0- 45	0.9112E-04	90-135	0.5159E-04
0-15.00	0.2032E-01	-7.5 TO 52.5	0.2393E-03	82.5-142.5	0.2165E-03	0	0- 60	0.9594E-03	90-150	0.9594E-03
15-30.00	0.5959E-01	-7.5 TO 52.5	0.1968E-03	82.5-142.5	0.1584E-03	15	0- 60	0.9147E-03	90-150	0.7812E-03
30-45.00	0.9479E-01	-7.5 TO 52.5	0.1241E-03	82.5-142.5	0.8976E-04	30	0- 60	0.6522E-03	90-150	0.4880E-03
45-60.00	0.1235E 00	-7.5 TO 52.5	0.5684E-04	82.5-142.5	0.3683E-04	45	0- 60	0.3511E-03	90-150	0.2354E-03
60-74.53	0.1392E 00	-7.5 TO 52.5	0.1050E-04	82.5-142.5	0.4790E-05	60	0- 60	0.1180E-03	90-150	0.6546E-04
0-15.00	0.2541E-01	-7.5 TO 67.5	0.2379E-03	82.5-157.5	0.2148E-03	0	0- 75	0.1199E-02	90-165	0.1199E-02
15-30.00	0.7449E-01	-7.5 TO 67.5	0.1943E-03	82.5-157.5	0.1556E-03	15	0- 75	0.1132E-02	90-165	0.9659E-03
30-45.00	0.1185E 00	-7.5 TO 67.5	0.1218E-03	82.5-157.5	0.8737E-04	30	0- 75	0.8003E-03	90-165	0.5976E-03
45-60.00	0.1544E 00	-7.5 TO 67.5	0.5547E-04	82.5-157.5	0.3552E-04	45	0- 75	0.4281E-03	90-165	0.2859E-03
60-74.53	0.1740E 00	-7.5 TO 67.5	0.1007E-04	82.5-157.5	0.4487E-05	60	0- 75	0.1423E-03	90-165	0.7841E-04
0-15.00	0.3049E-01	-7.5 TO 82.5	0.2362E-03	82.5-172.5	0.2134E-03	0	0- 90	0.1439E-02	90-180	0.1439E-02
15-30.00	0.8938E-01	-7.5 TO 82.5	0.1914E-03	82.5-172.5	0.1543E-03	15	0- 90	0.1342E-02	90-180	0.1149E-02
30-45.00	0.1422E 00	-7.5 TO 82.5	0.1192E-03	82.5-172.5	0.8540E-04	30	0- 90	0.9404E-03	90-180	0.7053E-03
45-60.00	0.1853E 00	-7.5 TO 82.5	0.5389E-04	82.5-172.5	0.3445E-04	45	0- 90	0.4996E-03	90-180	0.3353E-03
60-74.53	0.2088E 00	-7.5 TO 82.5	0.9582E-05	82.5-172.5	0.4244E-05	60	0- 90	0.1640E-03	90-180	0.9090E-04
0-15.00	0.3557E-01	-7.5 TO 97.5	0.2343E-03	82.5-187.5	0.2122E-03	0	0-105	0.1679E-02	90-195	0.1679E-02
15-30.00	0.1043E 00	-7.5 TO 97.5	0.1882E-03	82.5-187.5	0.1515E-03	15	0-105	0.1546E-02	90-195	0.1332E-02
30-45.00	0.1659E 00	-7.5 TO 97.5	0.1163E-03	82.5-187.5	0.8389E-04	30	0-105	0.1072E-02	90-195	0.8131E-03
45-60.00	0.2162E 00	-7.5 TO 97.5	0.5219E-04	82.5-187.5	0.3363E-04	45	0-105	0.5650E-03	90-195	0.3846E-03
60-74.53	0.2436E 00	-7.5 TO 97.5	0.9076E-05	82.5-187.5	0.4059E-05	60	0-105	0.1833E-03	90-195	0.1034E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6600$ $\cosh \mu_2 = 6.7000$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 112.27$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5061E-02	-7.5 TO 7.5	0.3558E-03	82.5- 97.5	0.3196E-03	0	0- 15	0.3434E-03	90-105	0.3434E-03
15-30.00	0.1450E-01	-7.5 TO 7.5	0.3056E-03	82.5- 97.5	0.2429E-03	15	0- 15	0.3480E-03	90-105	0.2907E-03
30-45.00	0.2370E-01	-7.5 TO 7.5	0.2005E-03	82.5- 97.5	0.1430E-03	30	0- 15	0.2611E-03	90-105	0.1883E-03
45-60.00	0.3088E-01	-7.5 TO 7.5	0.9546E-04	82.5- 97.5	0.6117E-04	45	0- 15	0.1465E-03	90-105	0.9394E-04
60-74.53	0.3466E-01	-7.5 TO 7.5	0.1964E-04	82.5- 97.5	0.8996E-05	60	0- 15	0.5225E-04	90-105	0.2776E-04
0-15.00	0.1016E-01	-7.5 TO 22.5	0.3551E-03	82.5-112.5	0.3151E-03	0	0- 30	0.6868E-03	90-120	0.6868E-03
15-30.00	0.2979E-01	-7.5 TO 22.5	0.3044E-03	82.5-112.5	0.2355E-03	15	0- 30	0.6924E-03	90-120	0.5693E-03
30-45.00	0.4746E-01	-7.5 TO 22.5	0.1994E-03	82.5-112.5	0.1365E-03	30	0- 30	0.5173E-03	90-120	0.3622E-03
45-60.00	0.6177E-01	-7.5 TO 22.5	0.9478E-04	82.5-112.5	0.5752E-04	45	0- 30	0.2894E-03	90-120	0.1780E-03
60-74.53	0.6955E-01	-7.5 TO 22.5	0.1940E-04	82.5-112.5	0.8112E-05	60	0- 30	0.1027E-03	90-120	0.5139E-04
0-15.00	0.1524E-01	-7.5 TO 37.5	0.3537E-03	82.5-127.5	0.3109E-03	0	0- 45	0.1030E-02	90-135	0.1030E-02
15-30.00	0.4465E-01	-7.5 TO 37.5	0.3018E-03	82.5-127.5	0.2286E-03	15	0- 45	0.1030E-02	90-135	0.8373E-03
30-45.00	0.7110E-01	-7.5 TO 37.5	0.1970E-03	82.5-127.5	0.1306E-03	30	0- 45	0.7644E-03	90-135	0.5238E-03
45-60.00	0.9265E-01	-7.5 TO 37.5	0.9327E-04	82.5-127.5	0.5422E-04	45	0- 45	0.4255E-03	90-135	0.2538E-03
60-74.53	0.1044E 00	-7.5 TO 37.5	0.1886E-04	82.5-127.5	0.7347E-05	60	0- 45	0.1499E-03	90-135	0.7170E-04
0-15.00	0.2032E-01	-7.5 TO 52.5	0.3515E-03	82.5-142.5	0.3070E-03	0	0- 60	0.1374E-02	90-150	0.1374E-02
15-30.00	0.5955E-01	-7.5 TO 52.5	0.2979E-03	82.5-142.5	0.2224E-03	15	0- 60	0.1358E-02	90-150	0.1097E-02
30-45.00	0.9479E-01	-7.5 TO 52.5	0.1933E-03	82.5-142.5	0.1253E-03	30	0- 60	0.9990E-03	90-150	0.6756E-03
45-60.00	0.1235E 00	-7.5 TO 52.5	0.9104E-04	82.5-142.5	0.5132E-04	45	0- 60	0.5524E-03	90-150	0.3232E-03
60-74.53	0.1392E 00	-7.5 TO 52.5	0.1810E-04	82.5-142.5	0.6702E-05	60	0- 60	0.1926E-03	90-150	0.8954E-04
0-15.00	0.2541E-01	-7.5 TO 67.5	0.3487E-03	82.5-157.5	0.3037E-03	0	0- 75	0.1717E-02	90-165	0.1717E-02
15-30.00	0.7449E-01	-7.5 TO 67.5	0.2930E-03	82.5-157.5	0.2170E-03	15	0- 75	0.1674E-02	90-165	0.1351E-02
30-45.00	0.1185E 00	-7.5 TO 67.5	0.1887E-03	82.5-157.5	0.1207E-03	30	0- 75	0.1219E-02	90-165	0.8207E-03
45-60.00	0.1544E 00	-7.5 TO 67.5	0.8824E-04	82.5-157.5	0.4886E-04	45	0- 75	0.6685E-03	90-165	0.3883E-03
60-74.53	0.1740E 00	-7.5 TO 67.5	0.1719E-04	82.5-157.5	0.6173E-05	60	0- 75	0.2302E-03	90-165	0.1058E-03
0-15.00	0.3049E-01	-7.5 TO 82.5	0.3453E-03	82.5-172.5	0.3009E-03	0	0- 90	0.2060E-02	90-180	0.2060E-02
15-30.00	0.8938E-01	-7.5 TO 82.5	0.2872E-03	82.5-172.5	0.2126E-03	15	0- 90	0.1977E-02	90-180	0.1601E-02
30-45.00	0.1422E 00	-7.5 TO 82.5	0.1834E-03	82.5-172.5	0.1169E-03	30	0- 90	0.1423E-02	90-180	0.9624E-03
45-60.00	0.1853E 00	-7.5 TO 82.5	0.8505E-04	82.5-172.5	0.4686E-04	45	0- 90	0.7733E-03	90-180	0.4512E-03
60-74.53	0.2088E 00	-7.5 TO 82.5	0.1618E-04	82.5-172.5	0.5755E-05	60	0- 90	0.2628E-03	90-180	0.1212E-03
0-15.00	0.3557E-01	-7.5 TO 97.5	0.3417E-03	82.5-187.5	0.2988E-03	0	0-105	0.2404E-02	90-195	0.2404E-02
15-30.00	0.1043E 00	-7.5 TO 97.5	0.2809E-03	82.5-187.5	0.2092E-03	15	0-105	0.2268E-02	90-195	0.1852E-02
30-45.00	0.1659E 00	-7.5 TO 97.5	0.1776E-03	82.5-187.5	0.1141E-03	30	0-105	0.1611E-02	90-195	0.1104E-02
45-60.00	0.2162E 00	-7.5 TO 97.5	0.8164E-04	82.5-187.5	0.4533E-04	45	0-105	0.8673E-03	90-195	0.5140E-03
60-74.53	0.2436E 00	-7.5 TO 97.5	0.1515E-04	82.5-187.5	0.5440E-05	60	0-105	0.2905E-03	90-195	0.1367E-03

$r_2/r_1 = 0.20$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6600$ $\cosh \mu_2 = 6.7000$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 96.54$

0-15.00	0.5061E-02	-7.5 TO 7.5	0.4339E-03	82.5- 97.5	0.3779E-03	0	0- 15	0.4057E-03	90-105	0.4057E-03
15-30.00	0.1450E-01	-7.5 TO 7.5	0.3860E-03	82.5- 97.5	0.2880E-03	15	0- 15	0.4107E-03	90-105	0.3417E-03
30-45.00	0.2370E-01	-7.5 TO 7.5	0.2612E-03	82.5- 97.5	0.1705E-03	30	0- 15	0.3351E-03	90-105	0.2211E-03
45-60.00	0.3088E-01	-7.5 TO 7.5	0.1277E-03	82.5- 97.5	0.7345E-04	45	0- 15	0.1935E-03	90-105	0.1105E-03
60-74.53	0.3466E-01	-7.5 TO 7.5	0.2791E-04	82.5- 97.5	0.1102E-04	60	0- 15	0.7130E-04	90-105	0.3288E-04
0-15.00	0.1016E-01	-7.5 TO 22.5	0.4329E-03	82.5-112.5	0.3710E-03	0	0- 30	0.8114E-03	90-120	0.8114E-03
15-30.00	0.2979E-01	-7.5 TO 22.5	0.3842E-03	82.5-112.5	0.2766E-03	15	0- 30	0.8557E-03	90-120	0.6649E-03
30-45.00	0.4746E-01	-7.5 TO 22.5	0.2594E-03	82.5-112.5	0.1605E-03	30	0- 30	0.6626E-03	90-120	0.4199E-03
45-60.00	0.6177E-01	-7.5 TO 22.5	0.1266E-03	82.5-112.5	0.6787E-04	45	0- 30	0.3811E-03	90-120	0.2058E-03
60-74.53	0.6955E-01	-7.5 TO 22.5	0.2751E-04	82.5-112.5	0.9718E-05	60	0- 30	0.1397E-03	90-120	0.5965E-04
0-15.00	0.1524E-01	-7.5 TO 37.5	0.4307E-03	82.5-127.5	0.3645E-03	0	0- 45	0.1217E-02	90-135	0.1217E-02
15-30.00	0.4465E-01	-7.5 TO 37.5	0.3801E-03	82.5-127.5	0.2660E-03	15	0- 45	0.1270E-02	90-135	0.9719E-03
30-45.00	0.7110E-01	-7.5 TO 37.5	0.2555E-03	82.5-127.5	0.1513E-03	30	0- 45	0.9757E-03	90-135	0.5999E-03
45-60.00	0.9265E-01	-7.5 TO 37.5	0.1242E-03	82.5-127.5	0.6287E-04	45	0- 45	0.5579E-03	90-135	0.2887E-03
60-74.53	0.1044E 00	-7.5 TO 37.5	0.2663E-04	82.5-127.5	0.8627E-05	60	0- 45	0.2028E-03	90-135	0.8165E-04
0-15.00	0.2032E-01	-7.5 TO 52.5	0.4273E-03	82.5-142.5	0.3586E-03	0	0- 60	0.1623E-02	90-150	0.1623E-02
15-30.00	0.5955E-01	-7.5 TO 52.5	0.3740E-03	82.5-142.5	0.2565E-03	15	0- 60	0.1669E-02	90-150	0.1266E-02
30-45.00	0.9479E-01	-7.5 TO 52.5	0.2497E-03	82.5-142.5	0.1432E-03	30	0- 60	0.1269E-02	90-150	0.7652E-03
45-60.00	0.1235E 00	-7.5 TO 52.5	0.1206E-03	82.5-142.5	0.5857E-04	45	0- 60	0.7200E-03	90-150	0.3624E-03
60-74.53	0.1392E 00	-7.5 TO 52.5	0.2538E-04	82.5-142.5	0.7735E-05	60	0- 60	0.2587E-03	90-150	0.1004E-03
0-15.00	0.2541E-01	-7.5 TO 67.5	0.4229E-03	82.5-157.5	0.3535E-03	0	0- 75	0.2028E-02	90-165	0.2028E-02
15-30.00	0.7449E-01	-7.5 TO 67.5	0.3662E-03	82.5-157.5	0.2483E-03	15	0- 75	0.2050E-02	90-165	0.1551E-02
30-45.00	0.1185E 00	-7.5 TO 67.5	0.2424E-03	82.5-157.5	0.1364E-03	30	0- 75	0.1539E-02	90-165	0.9207E-03
45-60.00	0.1544E 00	-7.5 TO 67.5	0.1161E-03	82.5-157.5	0.5501E-04	45	0- 75	0.8650E-03	90-165	0.4302E-03
60-74.53	0.1740E 00	-7.5 TO 67.5	0.2389E-04	82.5-157.5	0.7027E-05	60	0- 75	0.3068E-03	90-165	0.1171E-03
0-15.00	0.3049E-01	-7.5 TO 82.5	0.4177E-03	82.5-172.5	0.3492E-03	0	0- 90	0.2434E-02	90-180	0.2434E-02
15-30.00	0.8938E-01	-7.5 TO 82.5	0.3571E-03	82.5-172.5	0.2416E-03	15	0- 90	0.2411E-02	90-180	0.1832E-02
30-45.00	0.1422E 00	-7.5 TO 82.5	0.2340E-03	82.5-172.5	0.1309E-03	30	0- 90	0.1784E-02	90-180	0.1071E-02
45-60.00	0.1853E 00	-7.5 TO 82.5	0.1111E-03	82.5-172.5	0.5218E-04	45	0- 90	0.9924E-03	90-180	0.4952E-03
60-74.53	0.2088E 00	-7.5 TO 82.5	0.2228E-04	82.5-172.5	0.6481E-05	60	0- 90	0.3469E-03	90-180	0.1329E-03
0-15.00	0.3557E-01	-7.5 TO 97.5	0.4120E-03	82.5-187.5	0.3459E-03	0	0-105	0.2840E-02	90-195	0.2840E-02
15-30.00	0.1043E 00	-7.5 TO 97.5	0.3473E-03	82.5-187.5	0.2364E-03	15	0-105	0.2753E-02	90-195	0.2112E-02
30-45.00	0.1659E 00	-7.5 TO 97.5	0.2249E-03	82.5-187.5	0.1267E-03	30	0-105	0.2005E-02	90-195	0.1222E-02
45-60.00	0.2162E 00	-7.5 TO 97.5	0.1057E-03	82.5-187.5	0.5003E-04	45	0-105	0.1103E-02	90-195	0.5603E-03
60-74.53	0.2436E 00	-7.5 TO 97.5	0.2067E-04	82.5-187.5	0.6071E-05	60	0-105	0.3798E-03	90-195	0.1487E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6600$ $\cosh \mu_2 = 6.7000$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 81.42$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5081E-02	-7.5 TO 7.5	0.4593E-03	82.5- 97.5	0.3883E-03	0	0- 15	0.4167E-03	90-105	0.4167E-03
15-30.00	0.1456E-01	-7.5 TO 7.5	0.4247E-03	82.5- 97.5	0.2965E-03	15	0- 15	0.4632E-03	90-105	0.3495E-03
30-45.00	0.2371E-01	-7.5 TO 7.5	0.2965E-03	82.5- 97.5	0.1760E-03	30	0- 15	0.3750E-03	90-105	0.2257E-03
45-60.00	0.3068E-01	-7.5 TO 7.5	0.1484E-03	82.5- 97.5	0.7612E-04	45	0- 15	0.2225E-03	90-105	0.1128E-03
60-74.53	0.3486E-01	-7.5 TO 7.5	0.3371E-04	82.5- 97.5	0.1151E-04	60	0- 15	0.8403E-04	90-105	0.3365E-04
0-15.00	0.1016E-01	-7.5 TO 22.5	0.4580E-03	82.5-112.5	0.3801E-03	0	0- 30	0.8333E-03	90-120	0.8333E-03
15-30.00	0.2979E-01	-7.5 TO 22.5	0.4222E-03	82.5-112.5	0.2830E-03	15	0- 30	0.9188E-03	90-120	0.6775E-03
30-45.00	0.4746E-01	-7.5 TO 22.5	0.2941E-03	82.5-112.5	0.1642E-03	30	0- 30	0.7396E-03	90-120	0.4261E-03
45-60.00	0.6177E-01	-7.5 TO 22.5	0.1469E-03	82.5-112.5	0.6959E-04	45	0- 30	0.4370E-03	90-120	0.2086E-03
60-74.53	0.6959E-01	-7.5 TO 22.5	0.3317E-04	82.5-112.5	0.1002E-04	60	0- 30	0.1641E-03	90-120	0.6053E-04
0-15.00	0.1524E-01	-7.5 TO 37.5	0.4551E-03	82.5-127.5	0.3724E-03	0	0- 45	0.1250E-02	90-135	0.1250E-02
15-30.00	0.4469E-01	-7.5 TO 37.5	0.4167E-03	82.5-127.5	0.2708E-03	15	0- 45	0.1360E-02	90-135	0.9871E-03
30-45.00	0.7110E-01	-7.5 TO 37.5	0.2888E-03	82.5-127.5	0.1539E-03	30	0- 45	0.1085E-02	90-135	0.6063E-03
45-60.00	0.9265E-01	-7.5 TO 37.5	0.1436E-03	82.5-127.5	0.6404E-04	45	0- 45	0.6368E-03	90-135	0.2915E-03
60-74.53	0.1044E 00	-7.5 TO 37.5	0.3197E-04	82.5-127.5	0.8832E-05	60	0- 45	0.2370E-03	90-135	0.8253E-04
0-15.00	0.2032E-01	-7.5 TO 52.5	0.4506E-03	82.5-142.5	0.3656E-03	0	0- 60	0.1667E-02	90-150	0.1667E-02
15-30.00	0.5959E-01	-7.5 TO 52.5	0.4085E-03	82.5-142.5	0.2603E-03	15	0- 60	0.1781E-02	90-150	0.1283E-02
30-45.00	0.9479E-01	-7.5 TO 52.5	0.2809E-03	82.5-142.5	0.1452E-03	30	0- 60	0.1403E-02	90-150	0.7716E-03
45-60.00	0.1235E 00	-7.5 TO 52.5	0.1387E-03	82.5-142.5	0.5944E-04	45	0- 60	0.8165E-03	90-150	0.3652E-03
60-74.53	0.1392E 00	-7.5 TO 52.5	0.3028E-04	82.5-142.5	0.7888E-05	60	0- 60	0.3003E-03	90-150	0.1013E-03
0-15.00	0.2541E-01	-7.5 TO 67.5	0.4449E-03	82.5-157.5	0.3598E-03	0	0- 75	0.2083E-02	90-165	0.2083E-02
15-30.00	0.7449E-01	-7.5 TO 67.5	0.3981E-03	82.5-157.5	0.2513E-03	15	0- 75	0.2179E-02	90-165	0.1569E-02
30-45.00	0.1185E 00	-7.5 TO 67.5	0.2710E-03	82.5-157.5	0.1379E-03	30	0- 75	0.1690E-02	90-165	0.9271E-03
45-60.00	0.1544E 00	-7.5 TO 67.5	0.1327E-03	82.5-157.5	0.5571E-04	45	0- 75	0.9734E-03	90-165	0.4330E-03
60-74.53	0.1740E 00	-7.5 TO 67.5	0.2828E-04	82.5-157.5	0.7150E-05	60	0- 75	0.3530E-03	90-165	0.1180E-03
0-15.00	0.3049E-01	-7.5 TO 82.5	0.4384E-03	82.5-172.5	0.3549E-03	0	0- 90	0.2500E-02	90-180	0.2500E-02
15-30.00	0.8938E-01	-7.5 TO 82.5	0.3861E-03	82.5-172.5	0.2441E-03	15	0- 90	0.2552E-02	90-180	0.1850E-02
30-45.00	0.1422E 00	-7.5 TO 82.5	0.2597E-03	82.5-172.5	0.1322E-03	30	0- 90	0.1946E-02	90-180	0.1078E-02
45-60.00	0.1853E 00	-7.5 TO 82.5	0.1259E-03	82.5-172.5	0.5277E-04	45	0- 90	0.1107E-02	90-180	0.4980E-03
60-74.53	0.2088E 00	-7.5 TO 82.5	0.2615E-04	82.5-172.5	0.6584E-05	60	0- 90	0.3954E-03	90-180	0.1338E-03
0-15.00	0.3557E-01	-7.5 TO 97.5	0.4312E-03	82.5-187.5	0.3512E-03	0	0-105	0.2917E-02	90-195	0.2917E-02
15-30.00	0.1043E 00	-7.5 TO 97.5	0.3734E-03	82.5-187.5	0.2386E-03	15	0-105	0.2902E-02	90-195	0.2131E-02
30-45.00	0.1659E 00	-7.5 TO 97.5	0.2477E-03	82.5-187.5	0.1278E-03	30	0-105	0.2171E-02	90-195	0.1228E-02
45-60.00	0.2162E 00	-7.5 TO 97.5	0.1188E-03	82.5-187.5	0.5053E-04	45	0-105	0.1220E-02	90-195	0.5631E-03
60-74.53	0.2436E 00	-7.5 TO 97.5	0.2406E-04	82.5-187.5	0.6159E-05	60	0-105	0.4291E-03	90-195	0.1496E-03

$r_2/r_1 = 0.20$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6600$ $\cosh \mu_2 = 6.7000$ $\alpha_{2,max} = 105.00$ $\theta_{2,min} = 66.87$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5081E-02	-7.5 TO 7.5	0.4294E-03	82.5- 97.5	0.3883E-03	0	0- 15	0.4167E-03	90-105	0.4167E-03
15-30.00	0.1456E-01	-7.5 TO 7.5	0.4274E-03	82.5- 97.5	0.2965E-03	15	0- 15	0.4635E-03	90-105	0.3495E-03
30-45.00	0.2371E-01	-7.5 TO 7.5	0.3034E-03	82.5- 97.5	0.1760E-03	30	0- 15	0.3802E-03	90-105	0.2257E-03
45-60.00	0.3068E-01	-7.5 TO 7.5	0.1544E-03	82.5- 97.5	0.7612E-04	45	0- 15	0.2297E-03	90-105	0.1128E-03
60-74.53	0.3486E-01	-7.5 TO 7.5	0.3570E-04	82.5- 97.5	0.1151E-04	60	0- 15	0.8815E-04	90-105	0.3365E-04
0-15.00	0.1016E-01	-7.5 TO 22.5	0.4581E-03	82.5-112.5	0.3801E-03	0	0- 30	0.8333E-03	90-120	0.8333E-03
15-30.00	0.2979E-01	-7.5 TO 22.5	0.4249E-03	82.5-112.5	0.2830E-03	15	0- 30	0.9193E-03	90-120	0.6775E-03
30-45.00	0.4746E-01	-7.5 TO 22.5	0.3007E-03	82.5-112.5	0.1642E-03	30	0- 30	0.7488E-03	90-120	0.4261E-03
45-60.00	0.6177E-01	-7.5 TO 22.5	0.1526E-03	82.5-112.5	0.6959E-04	45	0- 30	0.4501E-03	90-120	0.2086E-03
60-74.53	0.6959E-01	-7.5 TO 22.5	0.3506E-04	82.5-112.5	0.1002E-04	60	0- 30	0.1716E-03	90-120	0.6053E-04
0-15.00	0.1524E-01	-7.5 TO 37.5	0.4551E-03	82.5-127.5	0.3724E-03	0	0- 45	0.1250E-02	90-135	0.1250E-02
15-30.00	0.4469E-01	-7.5 TO 37.5	0.4191E-03	82.5-127.5	0.2708E-03	15	0- 45	0.1360E-02	90-135	0.9871E-03
30-45.00	0.7110E-01	-7.5 TO 37.5	0.2946E-03	82.5-127.5	0.1539E-03	30	0- 45	0.1096E-02	90-135	0.6063E-03
45-60.00	0.9265E-01	-7.5 TO 37.5	0.1487E-03	82.5-127.5	0.6404E-04	45	0- 45	0.6535E-03	90-135	0.2915E-03
60-74.53	0.1044E 00	-7.5 TO 37.5	0.3306E-04	82.5-127.5	0.8832E-05	60	0- 45	0.2466E-03	90-135	0.8253E-04
0-15.00	0.2032E-01	-7.5 TO 52.5	0.4506E-03	82.5-142.5	0.3656E-03	0	0- 60	0.1667E-02	90-150	0.1667E-02
15-30.00	0.5959E-01	-7.5 TO 52.5	0.4104E-03	82.5-142.5	0.2603E-03	15	0- 60	0.1782E-02	90-150	0.1283E-02
30-45.00	0.9479E-01	-7.5 TO 52.5	0.2858E-03	82.5-142.5	0.1452E-03	30	0- 60	0.1415E-02	90-150	0.7716E-03
45-60.00	0.1235E 00	-7.5 TO 52.5	0.1431E-03	82.5-142.5	0.5944E-04	45	0- 60	0.8348E-03	90-150	0.3652E-03
60-74.53	0.1392E 00	-7.5 TO 52.5	0.3172E-04	82.5-142.5	0.7889E-05	60	0- 60	0.3108E-03	90-150	0.1013E-03
0-15.00	0.2541E-01	-7.5 TO 67.5	0.4449E-03	82.5-157.5	0.3598E-03	0	0- 75	0.2083E-02	90-165	0.2083E-02
15-30.00	0.7449E-01	-7.5 TO 67.5	0.3996E-03	82.5-157.5	0.2513E-03	15	0- 75	0.2179E-02	90-165	0.1569E-02
30-45.00	0.1185E 00	-7.5 TO 67.5	0.2751E-03	82.5-157.5	0.1379E-03	30	0- 75	0.1703E-02	90-165	0.9271E-03
45-60.00	0.1544E 00	-7.5 TO 67.5	0.1363E-03	82.5-157.5	0.5571E-04	45	0- 75	0.9918E-03	90-165	0.4330E-03
60-74.53	0.1740E 00	-7.5 TO 67.5	0.2948E-04	82.5-157.5	0.7150E-05	60	0- 75	0.3637E-03	90-165	0.1180E-03
0-15.00	0.3049E-01	-7.5 TO 82.5	0.4384E-03	82.5-172.5	0.3549E-03	0	0- 90	0.2500E-02	90-180	0.2500E-02
15-30.00	0.8938E-01	-7.5 TO 82.5	0.3874E-03	82.5-172.5	0.2441E-03	15	0- 90	0.2553E-02	90-180	0.1850E-02
30-45.00	0.1422E 00	-7.5 TO 82.5	0.2631E-03	82.5-172.5	0.1322E-03	30	0- 90	0.1958E-02	90-180	0.1078E-02
45-60.00	0.1853E 00	-7.5 TO 82.5	0.1289E-03	82.5-172.5	0.5277E-04	45	0- 90	0.1125E-02	90-180	0.4980E-03
60-74.53	0.2088E 00	-7.5 TO 82.5	0.2715E-04	82.5-172.5	0.6584E-05	60	0- 90	0.4062E-03	90-180	0.1338E-03
0-15.00	0.3557E-01	-7.5 TO 97.5	0.4312E-03	82.5-187.5	0.3512E-03	0	0-105	0.2917E-02	90-195	0.2917E-02
15-30.00	0.1043E 00	-7.5 TO 97.5	0.3744E-03	82.5-187.5	0.2386E-03	15	0-105	0.2902E-02	90-195	0.2131E-02
30-45.00	0.1659E 00	-7.5 TO 97.5	0.2506E-03	82.5-187.5	0.1278E-03	30	0-105	0.2184E-02	90-195	0.1228E-02
45-60.00	0.2162E 00	-7.5 TO 97.5	0.1214E-03	82.5-187.5	0.5053E-04	45	0-105	0.1238E-02	90-195	0.5631E-03
60-74.53	0.2436E 00	-7.5 TO 97.5	0.2491E-04	82.5-187.5	0.6159E-05	60	0-105	0.4398E-03	90-195	0.1496E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6600$ $\cosh \mu_2 = 6.7000$ $\alpha_{2,max} = 105.47$ $\theta_{2,min} = 66.42$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5081E-02	-7.5 TO 7.5	0.4294E-03	82.5- 97.5	0.3883E-03	0	0- 15	0.4167E-03	90-105	0.4167E-03
15-30.00	0.1450E-01	-7.5 TO 7.5	0.4276E-03	82.5- 97.5	0.2965E-03	15	0- 15	0.4635E-03	90-105	0.3495E-03
30-45.00	0.2370E-01	-7.5 TO 7.5	0.3034E-03	82.5- 97.5	0.1760E-03	30	0- 15	0.3802E-03	90-105	0.2257E-03
45-60.00	0.3088E-01	-7.5 TO 7.5	0.1544E-03	82.5- 97.5	0.7612E-04	45	0- 15	0.2297E-03	90-105	0.1128E-03
60-74.53	0.3488E-01	-7.5 TO 7.5	0.3570E-04	82.5- 97.5	0.1151E-04	60	0- 15	0.8815E-04	90-105	0.3365E-04
0-15.00	0.1016E-01	-7.5 TO 22.5	0.4581E-03	82.5-112.5	0.3801E-03	0	0- 30	0.8333E-03	90-120	0.8333E-03
15-30.00	0.2979E-01	-7.5 TO 22.5	0.4249E-03	82.5-112.5	0.2830E-03	15	0- 30	0.9193E-03	90-120	0.6775E-03
30-45.00	0.4746E-01	-7.5 TO 22.5	0.3007E-03	82.5-112.5	0.1642E-03	30	0- 30	0.7488E-03	90-120	0.4261E-03
45-60.00	0.6177E-01	-7.5 TO 22.5	0.1526E-03	82.5-112.5	0.0959E-04	45	0- 30	0.4501E-03	90-120	0.2086E-03
60-74.53	0.6959E-01	-7.5 TO 22.5	0.3506E-04	82.5-112.5	0.1002E-04	60	0- 30	0.1716E-03	90-120	0.6053E-04
0-15.00	0.1524E-01	-7.5 TO 37.5	0.4551E-03	82.5-127.5	0.3724E-03	0	0- 45	0.1250E-02	90-135	0.1250E-02
15-30.00	0.4469E-01	-7.5 TO 37.5	0.4191E-03	82.5-127.5	0.2708E-03	15	0- 45	0.1360E-02	90-135	0.9871E-03
30-45.00	0.7110E-01	-7.5 TO 37.5	0.2946E-03	82.5-127.5	0.1539E-03	30	0- 45	0.1096E-02	90-135	0.6063E-03
45-60.00	0.9265E-01	-7.5 TO 37.5	0.1487E-03	82.5-127.5	0.0404E-04	45	0- 45	0.6535E-03	90-135	0.2915E-03
60-74.53	0.1044E 00	-7.5 TO 37.5	0.3366E-04	82.5-127.5	0.8832E-05	60	0- 45	0.2466E-03	90-135	0.8253E-04
0-15.00	0.2032E-01	-7.5 TO 52.5	0.4506E-03	82.5-142.5	0.3656E-03	0	0- 60	0.1667E-02	90-150	0.1667E-02
15-30.00	0.5959E-01	-7.5 TO 52.5	0.4104E-03	82.5-142.5	0.2603E-03	15	0- 60	0.1782E-02	90-150	0.1283E-02
30-45.00	0.9479E-01	-7.5 TO 52.5	0.2858E-03	82.5-142.5	0.1452E-03	30	0- 60	0.1415E-02	90-150	0.7716E-03
45-60.00	0.1235E 00	-7.5 TO 52.5	0.1431E-03	82.5-142.5	0.5944E-04	45	0- 60	0.8348E-03	90-150	0.3652E-03
60-74.53	0.1392E 00	-7.5 TO 52.5	0.3172E-04	82.5-142.5	0.7889E-05	60	0- 60	0.3108E-03	90-150	0.1013E-03
0-15.00	0.2541E-01	-7.5 TO 67.5	0.4449E-03	82.5-157.5	0.3598E-03	0	0- 75	0.2083E-02	90-165	0.2083E-02
15-30.00	0.7449E-01	-7.5 TO 67.5	0.3996E-03	82.5-157.5	0.2513E-03	15	0- 75	0.2179E-02	90-165	0.1569E-02
30-45.00	0.1185E 00	-7.5 TO 67.5	0.2751E-03	82.5-157.5	0.1379E-03	30	0- 75	0.1703E-02	90-165	0.9271E-03
45-60.00	0.1544E 00	-7.5 TO 67.5	0.1363E-03	82.5-157.5	0.5571E-04	45	0- 75	0.9918E-03	90-165	0.4330E-03
60-74.53	0.1741E 00	-7.5 TO 67.5	0.2948E-04	82.5-157.5	0.7150E-05	60	0- 75	0.3637E-03	90-165	0.1180E-03
0-15.00	0.3049E-01	-7.5 TO 82.5	0.4384E-03	82.5-172.5	0.3549E-03	0	0- 90	0.2500E-02	90-180	0.2500E-02
15-30.00	0.8938E-01	-7.5 TO 82.5	0.3874E-03	82.5-172.5	0.2441E-03	15	0- 90	0.2553E-02	90-180	0.1850E-02
30-45.00	0.1422E 00	-7.5 TO 82.5	0.2631E-03	82.5-172.5	0.1322E-03	30	0- 90	0.1958E-02	90-180	0.1078E-02
45-60.00	0.1853E 00	-7.5 TO 82.5	0.1289E-03	82.5-172.5	0.5277E-04	45	0- 90	0.1125E-02	90-180	0.4980E-03
60-74.53	0.2088E 00	-7.5 TO 82.5	0.2715E-04	82.5-172.5	0.6584E-05	60	0- 90	0.4062E-03	90-180	0.1338E-03
0-15.00	0.3557E-01	-7.5 TO 97.5	0.4312E-03	82.5-187.5	0.3512E-03	0	0-105	0.2917E-02	90-195	0.2917E-02
15-30.00	0.1043E 00	-7.5 TO 97.5	0.3744E-03	82.5-187.5	0.2386E-03	15	0-105	0.2902E-02	90-195	0.2131E-02
30-45.00	0.1659E 00	-7.5 TO 97.5	0.2506E-03	82.5-187.5	0.1278E-03	30	0-105	0.2184E-02	90-195	0.1228E-02
45-60.00	0.2162E 00	-7.5 TO 97.5	0.1214E-03	82.5-187.5	0.3053E-04	45	0-105	0.1238E-02	90-195	0.5631E-03
60-74.53	0.2438E 00	-7.5 TO 97.5	0.2491E-04	82.5-187.5	0.6159E-05	60	0-105	0.4398E-03	90-195	0.1496E-03

$r_2/r_1 = 0.20$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5960$ $\cosh \mu_2 = 12.0200$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 163.71$

0-15.00	0.1554E-02	-7.5 TO 7.5	0.7486E-05	82.5- 97.5	0.7404E-05	0	0- 15	0.7703E-05	90-105	0.7703E-05
15-30.00	0.4553E-02	-7.5 TO 7.5	0.6485E-05	82.5- 97.5	0.6325E-05	15	0- 15	0.7230E-05	90-105	0.7096E-05
30-45.00	0.7245E-02	-7.5 TO 7.5	0.4702E-05	82.5- 97.5	0.4581E-05	30	0- 15	0.5766E-05	90-105	0.5563E-05
45-60.00	0.9443E-02	-7.5 TO 7.5	0.2831E-05	82.5- 97.5	0.2687E-05	45	0- 15	0.3834E-05	90-105	0.3642E-05
60-75.00	0.1106E-01	-7.5 TO 7.5	0.1075E-05	82.5- 97.5	0.9937E-06	60	0- 15	0.1926E-05	90-105	0.1796E-05
75-80.79	0.4508E-02	-7.5 TO 7.5	0.9218E-07	82.5- 97.5	0.6774E-07	75	0- 15	0.3134E-06	90-105	0.2582E-06
0-15.00	0.3109E-02	-7.5 TO 22.5	0.7485E-05	82.5-112.5	0.7393E-05	0	0- 30	0.1541E-04	90-120	0.1541E-04
15-30.00	0.9114E-02	-7.5 TO 22.5	0.6482E-05	82.5-112.5	0.6305E-05	15	0- 30	0.1445E-04	90-120	0.1416E-04
30-45.00	0.1450E-01	-7.5 TO 22.5	0.4759E-05	82.5-112.5	0.4558E-05	30	0- 30	0.1152E-04	90-120	0.1108E-04
45-60.00	0.1865E-01	-7.5 TO 22.5	0.2829E-05	82.5-112.5	0.2669E-05	45	0- 30	0.7656E-05	90-120	0.7242E-05
60-75.00	0.2206E-01	-7.5 TO 22.5	0.1074E-05	82.5-112.5	0.9835E-06	60	0- 30	0.3843E-05	90-120	0.3563E-05
75-80.79	0.9015E-02	-7.5 TO 22.5	0.9175E-07	82.5-112.5	0.6486E-07	75	0- 30	0.6234E-06	90-120	0.5047E-06
0-15.00	0.4663E-02	-7.5 TO 37.5	0.7482E-05	82.5-127.5	0.7383E-05	0	0- 45	0.2311E-04	90-135	0.2311E-04
15-30.00	0.1367E-01	-7.5 TO 37.5	0.6476E-05	82.5-127.5	0.6286E-05	15	0- 45	0.2166E-04	90-135	0.2120E-04
30-45.00	0.2175E-01	-7.5 TO 37.5	0.4751E-05	82.5-127.5	0.4536E-05	30	0- 45	0.1725E-04	90-135	0.1656E-04
45-60.00	0.2834E-01	-7.5 TO 37.5	0.2823E-05	82.5-127.5	0.2651E-05	45	0- 45	0.1146E-04	90-135	0.1080E-04
60-75.00	0.3301E-01	-7.5 TO 37.5	0.1071E-05	82.5-127.5	0.9738E-06	60	0- 45	0.5746E-05	90-135	0.5306E-05
75-80.79	0.1352E-01	-7.5 TO 37.5	0.9076E-07	82.5-127.5	0.6243E-07	75	0- 45	0.9268E-06	90-135	0.7408E-06
0-15.00	0.6217E-02	-7.5 TO 52.5	0.7477E-05	82.5-142.5	0.7374E-05	0	0- 60	0.3081E-04	90-150	0.3081E-04
15-30.00	0.1823E-01	-7.5 TO 52.5	0.6466E-05	82.5-142.5	0.6268E-05	15	0- 60	0.2884E-04	90-150	0.2822E-04
30-45.00	0.2900E-01	-7.5 TO 52.5	0.4741E-05	82.5-142.5	0.4516E-05	30	0- 60	0.2295E-04	90-150	0.2201E-04
45-60.00	0.3779E-01	-7.5 TO 52.5	0.2813E-05	82.5-142.5	0.2635E-05	45	0- 60	0.1522E-04	90-150	0.1433E-04
60-75.00	0.4401E-01	-7.5 TO 52.5	0.1066E-05	82.5-142.5	0.9650E-06	60	0- 60	0.7626E-05	90-150	0.7027E-05
75-80.79	0.1803E-01	-7.5 TO 52.5	0.8927E-07	82.5-142.5	0.6034E-07	75	0- 60	0.1221E-05	90-150	0.9685E-06
0-15.00	0.7772E-02	-7.5 TO 67.5	0.7470E-05	82.5-157.5	0.7366E-05	0	0- 75	0.3851E-04	90-165	0.3851E-04
15-30.00	0.2279E-01	-7.5 TO 67.5	0.6454E-05	82.5-157.5	0.6252E-05	15	0- 75	0.3600E-04	90-165	0.3522E-04
30-45.00	0.3623E-01	-7.5 TO 67.5	0.4727E-05	82.5-157.5	0.4498E-05	30	0- 75	0.2860E-04	90-165	0.2743E-04
45-60.00	0.4724E-01	-7.5 TO 67.5	0.2803E-05	82.5-157.5	0.2621E-05	45	0- 75	0.1895E-04	90-165	0.1784E-04
60-75.00	0.5501E-01	-7.5 TO 67.5	0.1059E-05	82.5-157.5	0.9572E-06	60	0- 75	0.9481E-05	90-165	0.8735E-05
75-80.79	0.2254E-01	-7.5 TO 67.5	0.8736E-07	82.5-157.5	0.5857E-07	75	0- 75	0.1504E-05	90-165	0.1191E-05
0-15.00	0.9328E-02	-7.5 TO 82.5	0.7463E-05	82.5-172.5	0.7359E-05	0	0- 90	0.4622E-04	90-180	0.4622E-04
15-30.00	0.2734E-01	-7.5 TO 82.5	0.6439E-05	82.5-172.5	0.6239E-05	15	0- 90	0.4313E-04	90-180	0.4222E-04
30-45.00	0.4350E-01	-7.5 TO 82.5	0.4710E-05	82.5-172.5	0.4484E-05	30	0- 90	0.3421E-04	90-180	0.3284E-04
45-60.00	0.5668E-01	-7.5 TO 82.5	0.2790E-05	82.5-172.5	0.2610E-05	45	0- 90	0.2264E-04	90-180	0.2134E-04
60-75.00	0.6601E-01	-7.5 TO 82.5	0.1052E-05	82.5-172.5	0.9508E-06	60	0- 90	0.1131E-04	90-180	0.1043E-04
75-80.79	0.2705E-01	-7.5 TO 82.5	0.8511E-07	82.5-172.5	0.5712E-07	75	0- 90	0.1774E-05	90-180	0.1409E-05
0-15.00	0.1088E-01	-7.5 TO 97.5	0.7454E-05	82.5-187.5	0.7354E-05	0	0-105	0.5392E-04	90-195	0.5392E-04
15-30.00	0.3190E-01	-7.5 TO 97.5	0.6423E-05	82.5-187.5	0.6229E-05	15	0-105	0.5022E-04	90-195	0.4921E-04
30-45.00	0.5074E-01	-7.5 TO 97.5	0.4692E-05	82.5-187.5	0.4472E-05	30	0-105	0.3978E-04	90-195	0.3825E-04
45-60.00	0.6613E-01	-7.5 TO 97.5	0.2775E-05	82.5-187.5	0.2601E-05	45	0-105	0.2628E-04	90-195	0.2484E-04
60-75.00	0.7701E-01	-7.5 TO 97.5	0.1044E-05	82.5-187.5	0.9459E-06	60	0-105	0.1310E-04	90-195	0.1214E-04
75-80.79	0.3155E-01	-7.5 TO 97.5	0.8263E-07	82.5-187.5	0.5600E-07	75	0-105	0.2033E-05	90-195	0.1628E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5960$ $\cosh \mu_2 = 12.0200$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 147.52$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1554E-02	-7.5 TO 7.5	0.2795E-04	82.5- 97.5	0.2733E-04	0	0- 15	0.2843E-04	90-105	0.2843E-04
15-30.00	0.4557E-02	-7.5 TO 7.5	0.2455E-04	82.5- 97.5	0.2336E-04	15	0- 15	0.2714E-04	90-105	0.2614E-04
30-45.00	0.7249E-02	-7.5 TO 7.5	0.1829E-04	82.5- 97.5	0.1693E-04	30	0- 15	0.2199E-04	90-105	0.2046E-04
45-60.00	0.9447E-02	-7.5 TO 7.5	0.1103E-04	82.5- 97.5	0.9940E-05	45	0- 15	0.1483E-04	90-105	0.1338E-04
60-75.00	0.1100E-01	-7.5 TO 7.5	0.4299E-05	82.5- 97.5	0.3683E-05	60	0- 15	0.7571E-05	90-105	0.6594E-05
75-80.79	0.4508E-02	-7.5 TO 7.5	0.4387E-06	82.5- 97.5	0.2554E-06	75	0- 15	0.1355E-05	90-105	0.9417E-06
0-15.00	0.3109E-02	-7.5 TO 22.5	0.2794E-04	82.5-112.5	0.2725E-04	0	0- 30	0.5687E-04	90-120	0.5687E-04
15-30.00	0.9114E-02	-7.5 TO 22.5	0.2453E-04	82.5-112.5	0.2321E-04	15	0- 30	0.5423E-04	90-120	0.5206E-04
30-45.00	0.1450E-01	-7.5 TO 22.5	0.1827E-04	82.5-112.5	0.1676E-04	30	0- 30	0.4388E-04	90-120	0.4059E-04
45-60.00	0.1888E-01	-7.5 TO 22.5	0.1101E-04	82.5-112.5	0.9804E-05	45	0- 30	0.2956E-04	90-120	0.2645E-04
60-75.00	0.2200E-01	-7.5 TO 22.5	0.4288E-05	82.5-112.5	0.3609E-05	60	0- 30	0.1508E-04	90-120	0.1298E-04
75-80.79	0.9015E-02	-7.5 TO 22.5	0.4353E-06	82.5-112.5	0.2362E-06	75	0- 30	0.2683E-05	90-120	0.1800E-05
0-15.00	0.4663E-02	-7.5 TO 37.5	0.2791E-04	82.5-127.5	0.2718E-04	0	0- 45	0.8530E-04	90-135	0.8530E-04
15-30.00	0.1367E-01	-7.5 TO 37.5	0.2449E-04	82.5-127.5	0.2306E-04	15	0- 45	0.8119E-04	90-135	0.7778E-04
30-45.00	0.2175E-01	-7.5 TO 37.5	0.1821E-04	82.5-127.5	0.1660E-04	30	0- 45	0.6560E-04	90-135	0.6043E-04
45-60.00	0.2834E-01	-7.5 TO 37.5	0.1097E-04	82.5-127.5	0.9676E-05	45	0- 45	0.4413E-04	90-135	0.3925E-04
60-75.00	0.3301E-01	-7.5 TO 37.5	0.4263E-05	82.5-127.5	0.3539E-05	60	0- 45	0.2247E-04	90-135	0.1918E-04
75-80.79	0.1352E-01	-7.5 TO 37.5	0.4277E-06	82.5-127.5	0.2199E-06	75	0- 45	0.3959E-05	90-135	0.2586E-05
0-15.00	0.6217E-02	-7.5 TO 52.5	0.2788E-04	82.5-142.5	0.2711E-04	0	0- 60	0.1137E-03	90-150	0.1137E-03
15-30.00	0.1823E-01	-7.5 TO 52.5	0.2442E-04	82.5-142.5	0.2293E-04	15	0- 60	0.1080E-03	90-150	0.1033E-03
30-45.00	0.2900E-01	-7.5 TO 52.5	0.1813E-04	82.5-142.5	0.1645E-04	30	0- 60	0.8706E-04	90-150	0.8002E-04
45-60.00	0.3779E-01	-7.5 TO 52.5	0.1090E-04	82.5-142.5	0.9560E-05	45	0- 60	0.5845E-04	90-150	0.5182E-04
60-75.00	0.4401E-01	-7.5 TO 52.5	0.4225E-05	82.5-142.5	0.3479E-05	60	0- 60	0.2970E-04	90-150	0.2524E-04
75-80.79	0.1803E-01	-7.5 TO 52.5	0.4162E-06	82.5-142.5	0.2059E-06	75	0- 60	0.5165E-05	90-150	0.3316E-05
0-15.00	0.7772E-02	-7.5 TO 67.5	0.2783E-04	82.5-157.5	0.2705E-04	0	0- 75	0.1422E-03	90-165	0.1422E-03
15-30.00	0.2279E-01	-7.5 TO 67.5	0.2432E-04	82.5-157.5	0.2282E-04	15	0- 75	0.1346E-03	90-165	0.1288E-03
30-45.00	0.3625E-01	-7.5 TO 67.5	0.1802E-04	82.5-157.5	0.1632E-04	30	0- 75	0.1082E-03	90-165	0.9944E-04
45-60.00	0.4724E-01	-7.5 TO 67.5	0.1082E-04	82.5-157.5	0.9458E-05	45	0- 75	0.7249E-04	90-165	0.6423E-04
60-75.00	0.5501E-01	-7.5 TO 67.5	0.4177E-05	82.5-157.5	0.3420E-05	60	0- 75	0.3673E-04	90-165	0.3119E-04
75-80.79	0.2254E-01	-7.5 TO 67.5	0.4016E-06	82.5-157.5	0.1940E-06	75	0- 75	0.6288E-05	90-165	0.4006E-05
0-15.00	0.9326E-02	-7.5 TO 82.5	0.2777E-04	82.5-172.5	0.2700E-04	0	0- 90	0.1706E-03	90-180	0.1706E-03
15-30.00	0.2734E-01	-7.5 TO 82.5	0.2421E-04	82.5-172.5	0.2272E-04	15	0- 90	0.1610E-03	90-180	0.1542E-03
30-45.00	0.4350E-01	-7.5 TO 82.5	0.1790E-04	82.5-172.5	0.1621E-04	30	0- 90	0.1290E-03	90-180	0.1188E-03
45-60.00	0.5668E-01	-7.5 TO 82.5	0.1072E-04	82.5-172.5	0.9373E-05	45	0- 90	0.8620E-04	90-180	0.7656E-04
60-75.00	0.6601E-01	-7.5 TO 82.5	0.4120E-05	82.5-172.5	0.3374E-05	60	0- 90	0.4354E-04	90-180	0.3709E-04
75-80.79	0.2705E-01	-7.5 TO 82.5	0.3846E-06	82.5-172.5	0.1843E-06	75	0- 90	0.7319E-05	90-180	0.4677E-05
0-15.00	0.1088E-01	-7.5 TO 97.5	0.2771E-04	82.5-187.5	0.2696E-04	0	0-105	0.1990E-03	90-195	0.1990E-03
15-30.00	0.3190E-01	-7.5 TO 97.5	0.2409E-04	82.5-187.5	0.2264E-04	15	0-105	0.1871E-03	90-195	0.1796E-03
30-45.00	0.5074E-01	-7.5 TO 97.5	0.1776E-04	82.5-187.5	0.1613E-04	30	0-105	0.1495E-03	90-195	0.1381E-03
45-60.00	0.6613E-01	-7.5 TO 97.5	0.1060E-04	82.5-187.5	0.9308E-05	45	0-105	0.9958E-04	90-195	0.8690E-04
60-75.00	0.7701E-01	-7.5 TO 97.5	0.4058E-05	82.5-187.5	0.3339E-05	60	0-105	0.5014E-04	90-195	0.4300E-04
75-80.79	0.3155E-01	-7.5 TO 97.5	0.3662E-06	82.5-187.5	0.1769E-06	75	0-105	0.8261E-05	90-195	0.5347E-05

$r_2/r_1 = 0.20$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5960$ $\cosh \mu_2 = 12.0200$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 131.52$

0-15.00	0.1554E-02	-7.5 TO 7.5	0.5560E-04	82.5- 97.5	0.5374E-04	0	0- 15	0.5590E-04	90-105	0.5590E-04
15-30.00	0.4557E-02	-7.5 TO 7.5	0.4957E-04	82.5- 97.5	0.4596E-04	15	0- 15	0.5431E-04	90-105	0.5129E-04
30-45.00	0.7249E-02	-7.5 TO 7.5	0.3746E-04	82.5- 97.5	0.3334E-04	30	0- 15	0.4470E-04	90-105	0.4010E-04
45-60.00	0.9447E-02	-7.5 TO 7.5	0.2291E-04	82.5- 97.5	0.1960E-04	45	0- 15	0.3057E-04	90-105	0.2621E-04
60-75.00	0.1100E-01	-7.5 TO 7.5	0.9138E-05	82.5- 97.5	0.7287E-05	60	0- 15	0.1586E-04	90-105	0.1291E-04
75-80.79	0.4508E-02	-7.5 TO 7.5	0.1084E-05	82.5- 97.5	0.5177E-06	75	0- 15	0.3069E-05	90-105	0.1842E-05
0-15.00	0.3109E-02	-7.5 TO 22.5	0.5556E-04	82.5-112.5	0.5350E-04	0	0- 30	0.1118E-03	90-120	0.1118E-03
15-30.00	0.9114E-02	-7.5 TO 22.5	0.4951E-04	82.5-112.5	0.4550E-04	15	0- 30	0.1084E-03	90-120	0.1019E-03
30-45.00	0.1450E-01	-7.5 TO 22.5	0.3739E-04	82.5-112.5	0.3283E-04	30	0- 30	0.8912E-04	90-120	0.7919E-04
45-60.00	0.1889E-01	-7.5 TO 22.5	0.2285E-04	82.5-112.5	0.1920E-04	45	0- 30	0.6088E-04	90-120	0.5148E-04
60-75.00	0.2260E-01	-7.5 TO 22.5	0.9104E-05	82.5-112.5	0.7069E-05	60	0- 30	0.3153E-04	90-120	0.2521E-04
75-80.79	0.9015E-02	-7.5 TO 22.5	0.1071E-05	82.5-112.5	0.4646E-06	75	0- 30	0.6044E-05	90-120	0.3451E-05
0-15.00	0.4663E-02	-7.5 TO 37.5	0.5549E-04	82.5-127.5	0.5328E-04	0	0- 45	0.1677E-03	90-135	0.1677E-03
15-30.00	0.1367E-01	-7.5 TO 37.5	0.4936E-04	82.5-127.5	0.4507E-04	15	0- 45	0.1622E-03	90-135	0.1519E-03
30-45.00	0.2175E-01	-7.5 TO 37.5	0.3722E-04	82.5-127.5	0.3234E-04	30	0- 45	0.1330E-03	90-135	0.1174E-03
45-60.00	0.2834E-01	-7.5 TO 37.5	0.2271E-04	82.5-127.5	0.1882E-04	45	0- 45	0.9065E-04	90-135	0.7594E-04
60-75.00	0.3301E-01	-7.5 TO 37.5	0.9028E-05	82.5-127.5	0.6866E-05	60	0- 45	0.4684E-04	90-135	0.3698E-04
75-80.79	0.1352E-01	-7.5 TO 37.5	0.1043E-05	82.5-127.5	0.4202E-06	75	0- 45	0.8869E-05	90-135	0.4864E-05
0-15.00	0.6217E-02	-7.5 TO 52.5	0.5538E-04	82.5-142.5	0.5307E-04	0	0- 60	0.2236E-03	90-150	0.2236E-03
15-30.00	0.1823E-01	-7.5 TO 52.5	0.4915E-04	82.5-142.5	0.4467E-04	15	0- 60	0.2155E-03	90-150	0.2015E-03
30-45.00	0.2900E-01	-7.5 TO 52.5	0.3697E-04	82.5-142.5	0.3190E-04	30	0- 60	0.1761E-03	90-150	0.1549E-03
45-60.00	0.3779E-01	-7.5 TO 52.5	0.2251E-04	82.5-142.5	0.1848E-04	45	0- 60	0.1197E-03	90-150	0.9974E-04
60-75.00	0.4401E-01	-7.5 TO 52.5	0.8913E-05	82.5-142.5	0.6684E-05	60	0- 60	0.6165E-04	90-150	0.4832E-04
75-80.79	0.1803E-01	-7.5 TO 52.5	0.1004E-05	82.5-142.5	0.3823E-06	75	0- 60	0.1148E-04	90-150	0.6124E-05
0-15.00	0.7772E-02	-7.5 TO 67.5	0.5524E-04	82.5-157.5	0.5289E-04	0	0- 75	0.2795E-03	90-165	0.2795E-03
15-30.00	0.2279E-01	-7.5 TO 67.5	0.4886E-04	82.5-157.5	0.4433E-04	15	0- 75	0.2681E-03	90-165	0.2507E-03
30-45.00	0.3625E-01	-7.5 TO 67.5	0.3665E-04	82.5-157.5	0.3152E-04	30	0- 75	0.2183E-03	90-165	0.1919E-03
45-60.00	0.4724E-01	-7.5 TO 67.5	0.2225E-04	82.5-157.5	0.1818E-04	45	0- 75	0.1479E-03	90-165	0.1231E-03
60-75.00	0.5501E-01	-7.5 TO 67.5	0.8766E-05	82.5-157.5	0.6526E-05	60	0- 75	0.7586E-04	90-165	0.5937E-04
75-80.79	0.2254E-01	-7.5 TO 67.5	0.9976E-06	82.5-157.5	0.3504E-06	75	0- 75	0.1384E-04	90-165	0.7281E-05
0-15.00	0.9326E-02	-7.5 TO 82.5	0.5507E-04	82.5-172.5	0.5274E-04	0	0- 90	0.3354E-03	90-180	0.3354E-03
15-30.00	0.2734E-01	-7.5 TO 82.5	0.4853E-04	82.5-172.5	0.4404E-04	15	0- 90	0.3201E-03	90-180	0.2997E-03
30-45.00	0.4350E-01	-7.5 TO 82.5	0.3627E-04	82.5-172.5	0.3120E-04	30	0- 90	0.2594E-03	90-180	0.2286E-03
45-60.00	0.5668E-01	-7.5 TO 82.5	0.2195E-04	82.5-172.5	0.1793E-04	45	0- 90	0.1750E-03	90-180	0.1462E-03
60-75.00	0.6601E-01	-7.5 TO 82.5	0.8595E-05	82.5-172.5	0.6396E-05	60	0- 90	0.8943E-04	90-180	0.7027E-04
75-80.79	0.2705E-01	-7.5 TO 82.5	0.9054E-06	82.5-172.5	0.3247E-06	75	0- 90	0.1594E-04	90-180	0.8387E-05
0-15.00	0.1088E-01	-7.5 TO 97.5	0.5488E-04	82.5-187.5	0.5262E-04	0	0-105	0.3913E-03	90-195	0.3913E-03
15-30.00	0.3190E-01	-7.5 TO 97.5	0.4817E-04	82.5-187.5	0.4382E-04	15	0-105	0.3714E-03	90-195	0.3487E-03
30-45.00	0.5074E-01	-7.5 TO 97.5	0.3585E-04	82.5-187.5	0.3095E-04	30	0-105	0.2995E-03	90-195	0.2654E-03
45-60.00	0.6613E-01	-7.5 TO 97.5	0.2161E-04	82.5-187.5	0.1774E-04	45	0-105	0.2012E-03	90-195	0.1693E-03
60-75.00	0.7701E-01	-7.5 TO 97.5	0.8408E-05	82.5-187.5	0.6296E-05	60	0-105	0.1023E-03	90-195	0.8117E-04
75-80.79	0.3155E-01	-7.5 TO 97.5	0.8500E-06	82.5-187.5	0.3049E-06	75	0-105	0.1779E-04	90-195	0.9492E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5960$ $\cosh \mu_2 = 12.0200$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 115.78$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1554E-02	-7.5 TO 7.5	0.8264E-04	82.5- 97.5	0.7887E-04	0	0- 15	0.8202E-04	90-105	0.8202E-04
15-30.00	0.4557E-02	-7.5 TO 7.5	0.7484E-04	82.5- 97.5	0.6749E-04	15	0- 15	0.8123E-04	90-105	0.7509E-04
30-45.00	0.7245E-02	-7.5 TO 7.5	0.5742E-04	82.5- 97.5	0.4902E-04	30	0- 15	0.6800E-04	90-105	0.5863E-04
45-60.00	0.9447E-02	-7.5 TO 7.5	0.3559E-04	82.5- 97.5	0.2888E-04	45	0- 15	0.4719E-04	90-105	0.3830E-04
60-75.00	0.1100E-01	-7.5 TO 7.5	0.1448E-04	82.5- 97.5	0.1077E-04	60	0- 15	0.2483E-04	90-105	0.1888E-04
75-80.79	0.4508E-02	-7.5 TO 7.5	0.1951E-05	82.5- 97.5	0.7857E-06	75	0- 15	0.5080E-05	90-105	0.2704E-05
0-15.00	0.3105E-02	-7.5 TO 22.5	0.8257E-04	82.5-112.5	0.7839E-04	0	0- 30	0.1640E-03	90-120	0.1640E-03
15-30.00	0.9114E-02	-7.5 TO 22.5	0.7472E-04	82.5-112.5	0.6657E-04	15	0- 30	0.1621E-03	90-120	0.1488E-03
30-45.00	0.1450E-01	-7.5 TO 22.5	0.5727E-04	82.5-112.5	0.4799E-04	30	0- 30	0.1354E-03	90-120	0.1152E-03
45-60.00	0.1889E-01	-7.5 TO 22.5	0.3547E-04	82.5-112.5	0.2807E-04	45	0- 30	0.9381E-04	90-120	0.7473E-04
60-75.00	0.2200E-01	-7.5 TO 22.5	0.1441E-04	82.5-112.5	0.1035E-04	60	0- 30	0.4928E-04	90-120	0.3655E-04
75-80.79	0.9015E-02	-7.5 TO 22.5	0.1923E-05	82.5-112.5	0.6883E-06	75	0- 30	0.9995E-05	90-120	0.4979E-05
0-15.00	0.4663E-02	-7.5 TO 37.5	0.8243E-04	82.5-127.5	0.7794E-04	0	0- 45	0.2461E-03	90-135	0.2461E-03
15-30.00	0.1367E-01	-7.5 TO 37.5	0.7442E-04	82.5-127.5	0.6570E-04	15	0- 45	0.2422E-03	90-135	0.2214E-03
30-45.00	0.2175E-01	-7.5 TO 37.5	0.5693E-04	82.5-127.5	0.4702E-04	30	0- 45	0.2017E-03	90-135	0.1701E-03
45-60.00	0.2834E-01	-7.5 TO 37.5	0.3519E-04	82.5-127.5	0.2732E-04	45	0- 45	0.1394E-03	90-135	0.1095E-03
60-75.00	0.3301E-01	-7.5 TO 37.5	0.1426E-04	82.5-127.5	0.9955E-05	60	0- 45	0.7299E-04	90-135	0.5318E-04
75-80.79	0.1352E-01	-7.5 TO 37.5	0.1862E-05	82.5-127.5	0.6083E-06	75	0- 45	0.1460E-04	90-135	0.6903E-05
0-15.00	0.6217E-02	-7.5 TO 52.5	0.8220E-04	82.5-142.5	0.7752E-04	0	0- 60	0.3281E-03	90-150	0.3281E-03
15-30.00	0.1823E-01	-7.5 TO 52.5	0.7398E-04	82.5-142.5	0.6490E-04	15	0- 60	0.3213E-03	90-150	0.2929E-03
30-45.00	0.2900E-01	-7.5 TO 52.5	0.5642E-04	82.5-142.5	0.4613E-04	30	0- 60	0.2665E-03	90-150	0.2235E-03
45-60.00	0.3779E-01	-7.5 TO 52.5	0.3478E-04	82.5-142.5	0.2663E-04	45	0- 60	0.1834E-03	90-150	0.1430E-03
60-75.00	0.4401E-01	-7.5 TO 52.5	0.1402E-04	82.5-142.5	0.9606E-05	60	0- 60	0.9568E-04	90-150	0.6899E-04
75-80.79	0.1803E-01	-7.5 TO 52.5	0.1774E-05	82.5-142.5	0.5413E-06	75	0- 60	0.1878E-04	90-150	0.8561E-05
0-15.00	0.7772E-02	-7.5 TO 67.5	0.8191E-04	82.5-157.5	0.7715E-04	0	0- 75	0.4101E-03	90-165	0.4101E-03
15-30.00	0.2279E-01	-7.5 TO 67.5	0.7341E-04	82.5-157.5	0.6420E-04	15	0- 75	0.3992E-03	90-165	0.3638E-03
30-45.00	0.3625E-01	-7.5 TO 67.5	0.5576E-04	82.5-157.5	0.4536E-04	30	0- 75	0.3293E-03	90-165	0.2758E-03
45-60.00	0.4724E-01	-7.5 TO 67.5	0.3425E-04	82.5-157.5	0.2604E-04	45	0- 75	0.2256E-03	90-165	0.1756E-03
60-75.00	0.5501E-01	-7.5 TO 67.5	0.1373E-04	82.5-157.5	0.9306E-05	60	0- 75	0.1172E-03	90-165	0.8422E-04
75-80.79	0.2254E-01	-7.5 TO 67.5	0.1673E-05	82.5-157.5	0.4858E-06	75	0- 75	0.2247E-04	90-165	0.1004E-04
0-15.00	0.9326E-02	-7.5 TO 82.5	0.8156E-04	82.5-172.5	0.7685E-04	0	0- 90	0.4921E-03	90-180	0.4921E-03
15-30.00	0.2734E-01	-7.5 TO 82.5	0.7273E-04	82.5-172.5	0.6362E-04	15	0- 90	0.4757E-03	90-180	0.4344E-03
30-45.00	0.4350E-01	-7.5 TO 82.5	0.5499E-04	82.5-172.5	0.4472E-04	30	0- 90	0.3900E-03	90-180	0.3277E-03
45-60.00	0.5668E-01	-7.5 TO 82.5	0.3363E-04	82.5-172.5	0.2555E-04	45	0- 90	0.2659E-03	90-180	0.2077E-03
60-75.00	0.6601E-01	-7.5 TO 82.5	0.1338E-04	82.5-172.5	0.9060E-05	60	0- 90	0.1373E-03	90-180	0.9917E-04
75-80.79	0.2705E-01	-7.5 TO 82.5	0.1565E-05	82.5-172.5	0.4418E-06	75	0- 90	0.2566E-04	90-180	0.1144E-04
0-15.00	0.1088E-01	-7.5 TO 97.5	0.8118E-04	82.5-187.5	0.7661E-04	0	0-105	0.5741E-03	90-195	0.5741E-03
15-30.00	0.3190E-01	-7.5 TO 97.5	0.7198E-04	82.5-187.5	0.6318E-04	15	0-105	0.5508E-03	90-195	0.5049E-03
30-45.00	0.5074E-01	-7.5 TO 97.5	0.5414E-04	82.5-187.5	0.4423E-04	30	0-105	0.4487E-03	90-195	0.3796E-03
45-60.00	0.6613E-01	-7.5 TO 97.5	0.3295E-04	82.5-187.5	0.2518E-04	45	0-105	0.3042E-03	90-195	0.2398E-03
60-75.00	0.7701E-01	-7.5 TO 97.5	0.1301E-04	82.5-187.5	0.8871E-05	60	0-105	0.1562E-03	90-195	0.1141E-03
75-80.79	0.3155E-01	-7.5 TO 97.5	0.1453E-05	82.5-187.5	0.4087E-06	75	0-105	0.2836E-04	90-195	0.1283E-04

$r_2/r_1 = 0.20$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5960$ $\cosh \mu_2 = 12.0200$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 100.34$

0-15.00	0.1554E-02	-7.5 TO 7.5	0.1018E-03	82.5- 97.5	0.9571E-04	0	0- 15	0.9952E-04	90-105	0.9952E-04
15-30.00	0.4557E-02	-7.5 TO 7.5	0.9383E-04	82.5- 97.5	0.8195E-04	15	0- 15	0.1008E-03	90-105	0.9086E-04
30-45.00	0.7245E-02	-7.5 TO 7.5	0.7315E-04	82.5- 97.5	0.5960E-04	30	0- 15	0.8595E-04	90-105	0.7081E-04
45-60.00	0.9447E-02	-7.5 TO 7.5	0.4595E-04	82.5- 97.5	0.3517E-04	45	0- 15	0.6054E-04	90-105	0.4623E-04
60-75.00	0.1100E-01	-7.5 TO 7.5	0.1900E-04	82.5- 97.5	0.1316E-04	60	0- 15	0.3228E-04	90-105	0.2280E-04
75-80.79	0.4508E-02	-7.5 TO 7.5	0.2781E-05	82.5- 97.5	0.9813E-06	75	0- 15	0.6871E-05	90-105	0.3283E-05
0-15.00	0.3105E-02	-7.5 TO 22.5	0.1017E-03	82.5-112.5	0.9494E-04	0	0- 30	0.1990E-03	90-120	0.1990E-03
15-30.00	0.9114E-02	-7.5 TO 22.5	0.9362E-04	82.5-112.5	0.8047E-04	15	0- 30	0.2009E-03	90-120	0.1796E-03
30-45.00	0.1450E-01	-7.5 TO 22.5	0.7291E-04	82.5-112.5	0.5795E-04	30	0- 30	0.1710E-03	90-120	0.1384E-03
45-60.00	0.1889E-01	-7.5 TO 22.5	0.4576E-04	82.5-112.5	0.3389E-04	45	0- 30	0.1202E-03	90-120	0.8948E-04
60-75.00	0.2200E-01	-7.5 TO 22.5	0.1889E-04	82.5-112.5	0.1251E-04	60	0- 30	0.6394E-04	90-120	0.4371E-04
75-80.79	0.9015E-02	-7.5 TO 22.5	0.2738E-05	82.5-112.5	0.8441E-06	75	0- 30	0.1348E-04	90-120	0.5960E-05
0-15.00	0.4663E-02	-7.5 TO 37.5	0.1014E-03	82.5-127.5	0.9421E-04	0	0- 45	0.2985E-03	90-135	0.2985E-03
15-30.00	0.1367E-01	-7.5 TO 37.5	0.9315E-04	82.5-127.5	0.7907E-04	15	0- 45	0.2999E-03	90-135	0.2663E-03
30-45.00	0.2175E-01	-7.5 TO 37.5	0.7236E-04	82.5-127.5	0.5639E-04	30	0- 45	0.2541E-03	90-135	0.2031E-03
45-60.00	0.2834E-01	-7.5 TO 37.5	0.4531E-04	82.5-127.5	0.3270E-04	45	0- 45	0.1781E-03	90-135	0.1301E-03
60-75.00	0.3301E-01	-7.5 TO 37.5	0.1804E-04	82.5-127.5	0.1192E-04	60	0- 45	0.9442E-04	90-135	0.6300E-04
75-80.79	0.1352E-01	-7.5 TO 37.5	0.2641E-05	82.5-127.5	0.7341E-06	75	0- 45	0.1961E-04	90-135	0.8154E-05
0-15.00	0.6217E-02	-7.5 TO 52.5	0.1011E-03	82.5-142.5	0.9353E-04	0	0- 60	0.3981E-03	90-150	0.3981E-03
15-30.00	0.1823E-01	-7.5 TO 52.5	0.9243E-04	82.5-142.5	0.7780E-04	15	0- 60	0.3972E-03	90-150	0.3515E-03
30-45.00	0.2900E-01	-7.5 TO 52.5	0.7154E-04	82.5-142.5	0.5499E-04	30	0- 60	0.3348E-03	90-150	0.2656E-03
45-60.00	0.3779E-01	-7.5 TO 52.5	0.4465E-04	82.5-142.5	0.3163E-04	45	0- 60	0.2335E-03	90-150	0.1687E-03
60-75.00	0.4401E-01	-7.5 TO 52.5	0.1827E-04	82.5-142.5	0.1139E-04	60	0- 60	0.1233E-03	90-150	0.8103E-04
75-80.79	0.1803E-01	-7.5 TO 52.5	0.2502E-05	82.5-142.5	0.6438E-06	75	0- 60	0.2509E-04	90-150	0.9995E-05
0-15.00	0.7772E-02	-7.5 TO 67.5	0.1006E-03	82.5-157.5	0.9295E-04	0	0- 75	0.4976E-03	90-165	0.4976E-03
15-30.00	0.2279E-01	-7.5 TO 67.5	0.9151E-04	82.5-157.5	0.7668E-04	15	0- 75	0.4926E-03	90-165	0.4356E-03
30-45.00	0.3625E-01	-7.5 TO 67.5	0.7047E-04	82.5-157.5	0.5376E-04	30	0- 75	0.4124E-03	90-165	0.3264E-03
45-60.00	0.4724E-01	-7.5 TO 67.5	0.4379E-04	82.5-157.5	0.3070E-04	45	0- 75	0.2861E-03	90-165	0.2059E-03
60-75.00	0.5501E-01	-7.5 TO 67.5	0.1779E-04	82.5-157.5	0.1094E-04	60	0- 75	0.1502E-03	90-165	0.9819E-04
75-80.79	0.2254E-01	-7.5 TO 67.5	0.2340E-05	82.5-157.5	0.5708E-06	75	0- 75	0.2983E-04	90-165	0.1161E-04
0-15.00	0.9326E-02	-7.5 TO 82.5	0.1001E-03	82.5-172.5	0.9246E-04	0	0- 90	0.5971E-03	90-180	0.5971E-03
15-30.00	0.2734E-01	-7.5 TO 82.5	0.9042E-04	82.5-172.5	0.7575E-04	15	0- 90	0.5857E-03	90-180	0.5192E-03
30-45.00	0.4350E-01	-7.5 TO 82.5	0.6923E-04	82.5-172.5	0.5274E-04	30	0- 90	0.4866E-03	90-180	0.3864E-03
45-60.00	0.5668E-01	-7.5 TO 82.5	0.4280E-04	82.5-172.5	0.2993E-04	45	0- 90	0.3355E-03	90-180	0.2424E-03
60-75.00	0.6601E-01	-7.5 TO 82.5	0.1725E-04	82.5-172.5	0.1057E-04	60	0- 90	0.1750E-03	90-180	0.1149E-03
75-80.79	0.2705E-01	-7.5 TO 82.5	0.2170E-05	82.5-172.5	0.5142E-06	75	0- 90	0.3382E-04	90-180	0.1311E-04
0-15.00	0.1088E-01	-7.5 TO 97.5	0.9943E-04	82.5-187.5	0.9208E-04	0	0-105	0.6966E-03	90-195	0.6966E-03
15-30.00	0.3190E-01	-7.5 TO 97.5	0.8921E-04	82.5-187.5	0.7504E-04	15	0-105	0.6766E-03	90-195	0.6027E-03
30-45.00	0.5074E-01	-7.5 TO 97.5	0.6785E-04	82.5-187.5	0.5196E-04	30	0-105	0.5574E-03	90-195	0.4465E-03
45-60.00	0.6613E-01	-7.5 TO 97.5	0.4171E-04	82.5-187.5	0.2935E-04	45	0-105	0.3817E-03	90-195	0.2788E-03
60-75.00	0.7701E-01	-7.5 TO 97.5	0.1667E-04	82.5-187.5	0.1029E-04	60	0-105	0.1978E-03	90-195	0.1316E-03
75-80.79	0.3155E-01	-7.5 TO 97.5	0.2000E-05	82.5-187.5	0.4720E-06	75	0-105	0.3710E-04	90-195	0.1461E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5960$ $\cosh \mu_2 = 12.0200$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 85.23$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1554E-02	-7.5 TO 7.5	0.1084E-03	82.5- 97.5	0.1002E-03	0	0- 15	0.1042E-03	90-105	0.1042E-03
15-30.00	0.4557E-02	-7.5 TO 7.5	0.1021E-03	82.5- 97.5	0.8584E-04	15	0- 15	0.1082E-03	90-105	0.9484E-04
30-45.00	0.7249E-02	-7.5 TO 7.5	0.8106E-04	82.5- 97.5	0.6249E-04	30	0- 15	0.9439E-04	90-105	0.7377E-04
45-60.00	0.9447E-02	-7.5 TO 7.5	0.5163E-04	82.5- 97.5	0.3692E-04	45	0- 15	0.6759E-04	90-105	0.4810E-04
60-75.00	0.1100E-01	-7.5 TO 7.5	0.2160E-04	82.5- 97.5	0.1384E-04	60	0- 15	0.3648E-04	90-105	0.2372E-04
75-80.79	0.4508E-02	-7.5 TO 7.5	0.3300E-05	82.5- 97.5	0.1041E-05	75	0- 15	0.7942E-05	90-105	0.3424E-05
0-15.00	0.3109E-02	-7.5 TO 22.5	0.1082E-03	82.5-112.5	0.9919E-04	0	0- 30	0.2083E-03	90-120	0.2083E-03
15-30.00	0.9114E-02	-7.5 TO 22.5	0.1018E-03	82.5-112.5	0.8393E-04	15	0- 30	0.2156E-03	90-120	0.1869E-03
30-45.00	0.1450E-01	-7.5 TO 22.5	0.8073E-04	82.5-112.5	0.6037E-04	30	0- 30	0.1875E-03	90-120	0.1434E-03
45-60.00	0.1889E-01	-7.5 TO 22.5	0.5135E-04	82.5-112.5	0.3530E-04	45	0- 30	0.1339E-03	90-120	0.9250E-04
60-75.00	0.2200E-01	-7.5 TO 22.5	0.2145E-04	82.5-112.5	0.1304E-04	60	0- 30	0.7211E-04	90-120	0.4513E-04
75-80.79	0.9015E-02	-7.5 TO 22.5	0.3243E-05	82.5-112.5	0.8863E-06	75	0- 30	0.1554E-04	90-120	0.6163E-05
0-15.00	0.4663E-02	-7.5 TO 37.5	0.1079E-03	82.5-127.5	0.9825E-04	0	0- 45	0.3125E-03	90-135	0.3125E-03
15-30.00	0.1367E-01	-7.5 TO 37.5	0.1011E-03	82.5-127.5	0.8215E-04	15	0- 45	0.3213E-03	90-135	0.2765E-03
30-45.00	0.2175E-01	-7.5 TO 37.5	0.7996E-04	82.5-127.5	0.5842E-04	30	0- 45	0.2780E-03	90-135	0.2096E-03
45-60.00	0.2834E-01	-7.5 TO 37.5	0.5074E-04	82.5-127.5	0.3383E-04	45	0- 45	0.1978E-03	90-135	0.1338E-03
60-75.00	0.3301E-01	-7.5 TO 37.5	0.2111E-04	82.5-127.5	0.1233E-04	60	0- 45	0.1061E-03	90-135	0.6467E-04
75-80.79	0.1352E-01	-7.5 TO 37.5	0.3119E-05	82.5-127.5	0.7649E-06	75	0- 45	0.2252E-04	90-135	0.8381E-05
0-15.00	0.6217E-02	-7.5 TO 52.5	0.1074E-03	82.5-142.5	0.9739E-04	0	0- 60	0.4167E-03	90-150	0.4167E-03
15-30.00	0.1823E-01	-7.5 TO 52.5	0.1001E-03	82.5-142.5	0.8055E-04	15	0- 60	0.4248E-03	90-150	0.3642E-03
30-45.00	0.2900E-01	-7.5 TO 52.5	0.7882E-04	82.5-142.5	0.5671E-04	30	0- 60	0.3650E-03	90-150	0.2731E-03
45-60.00	0.3775E-01	-7.5 TO 52.5	0.4982E-04	82.5-142.5	0.3255E-04	45	0- 60	0.2584E-03	90-150	0.1728E-03
60-75.00	0.4401E-01	-7.5 TO 52.5	0.2001E-04	82.5-142.5	0.1172E-04	60	0- 60	0.1379E-03	90-150	0.8280E-04
75-80.79	0.1803E-01	-7.5 TO 52.5	0.2941E-05	82.5-142.5	0.6675E-06	75	0- 60	0.2865E-04	90-150	0.1023E-04
0-15.00	0.7772E-02	-7.5 TO 67.5	0.1068E-03	82.5-157.5	0.9664E-04	0	0- 75	0.5208E-03	90-165	0.5208E-03
15-30.00	0.2279E-01	-7.5 TO 67.5	0.9884E-04	82.5-157.5	0.7917E-04	15	0- 75	0.5256E-03	90-165	0.4505E-03
30-45.00	0.3625E-01	-7.5 TO 67.5	0.7734E-04	82.5-157.5	0.5524E-04	30	0- 75	0.4478E-03	90-165	0.3347E-03
45-60.00	0.4724E-01	-7.5 TO 67.5	0.4864E-04	82.5-157.5	0.3147E-04	45	0- 75	0.3149E-03	90-165	0.2101E-03
60-75.00	0.5501E-01	-7.5 TO 67.5	0.1998E-04	82.5-157.5	0.1121E-04	60	0- 75	0.1670E-03	90-165	0.1000E-03
75-80.79	0.2254E-01	-7.5 TO 67.5	0.2733E-05	82.5-157.5	0.5898E-06	75	0- 75	0.3385E-04	90-165	0.1184E-04
0-15.00	0.9322E-02	-7.5 TO 82.5	0.1060E-03	82.5-172.5	0.9601E-04	0	0- 90	0.6250E-03	90-180	0.6250E-03
15-30.00	0.2734E-01	-7.5 TO 82.5	0.9734E-04	82.5-172.5	0.7804E-04	15	0- 90	0.6234E-03	90-180	0.5361E-03
30-45.00	0.4350E-01	-7.5 TO 82.5	0.7562E-04	82.5-172.5	0.5404E-04	30	0- 90	0.5261E-03	90-180	0.3954E-03
45-60.00	0.5668E-01	-7.5 TO 82.5	0.4728E-04	82.5-172.5	0.3059E-04	45	0- 90	0.3672E-03	90-180	0.2467E-03
60-75.00	0.6601E-01	-7.5 TO 82.5	0.1925E-04	82.5-172.5	0.1080E-04	60	0- 90	0.1934E-03	90-180	0.1167E-03
75-80.79	0.2705E-01	-7.5 TO 82.5	0.2918E-05	82.5-172.5	0.5301E-06	75	0- 90	0.3811E-04	90-180	0.1335E-04
0-15.00	0.1088E-01	-7.5 TO 97.5	0.1052E-03	82.5-187.5	0.9553E-04	0	0-105	0.7292E-03	90-195	0.7292E-03
15-30.00	0.3190E-01	-7.5 TO 97.5	0.9570E-04	82.5-187.5	0.7717E-04	15	0-105	0.7182E-03	90-195	0.6217E-03
30-45.00	0.5074E-01	-7.5 TO 97.5	0.7375E-04	82.5-187.5	0.5311E-04	30	0-105	0.5998E-03	90-195	0.4561E-03
45-60.00	0.6613E-01	-7.5 TO 97.5	0.4580E-04	82.5-187.5	0.2991E-04	45	0-105	0.4153E-03	90-195	0.2833E-03
60-75.00	0.7701E-01	-7.5 TO 97.5	0.1848E-04	82.5-187.5	0.1049E-04	60	0-105	0.2171E-03	90-195	0.1335E-03
75-80.79	0.3155E-01	-7.5 TO 97.5	0.2307E-05	82.5-187.5	0.4856E-06	75	0-105	0.4153E-04	90-195	0.1485E-04

$r_2/r_1 = 0.20$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5960$ $\cosh \mu_2 = 12.0200$ $\alpha_{2,max} = 99.21$ $\theta_{2,min} = 76.11$

0-15.00	0.1554E-02	-7.5 TO 7.5	0.1084E-03	82.5- 97.5	0.1002E-03	0	0- 15	0.1042E-03	90-105	0.1042E-03
15-30.00	0.4557E-02	-7.5 TO 7.5	0.1023E-03	82.5- 97.5	0.8584E-04	15	0- 15	0.1082E-03	90-105	0.9484E-04
30-45.00	0.7249E-02	-7.5 TO 7.5	0.8168E-04	82.5- 97.5	0.6249E-04	30	0- 15	0.9479E-04	90-105	0.7377E-04
45-60.00	0.9447E-02	-7.5 TO 7.5	0.5235E-04	82.5- 97.5	0.3692E-04	45	0- 15	0.6832E-04	90-105	0.4810E-04
60-75.00	0.1100E-01	-7.5 TO 7.5	0.2201E-04	82.5- 97.5	0.1384E-04	60	0- 15	0.3710E-04	90-105	0.2372E-04
75-80.79	0.4508E-02	-7.5 TO 7.5	0.3390E-05	82.5- 97.5	0.1041E-05	75	0- 15	0.8122E-05	90-105	0.3424E-05
0-15.00	0.3109E-02	-7.5 TO 22.5	0.1082E-03	82.5-112.5	0.9919E-04	0	0- 30	0.2083E-03	90-120	0.2083E-03
15-30.00	0.9114E-02	-7.5 TO 22.5	0.1020E-03	82.5-112.5	0.8393E-04	15	0- 30	0.2156E-03	90-120	0.1869E-03
30-45.00	0.1450E-01	-7.5 TO 22.5	0.8131E-04	82.5-112.5	0.6037E-04	30	0- 30	0.1882E-03	90-120	0.1434E-03
45-60.00	0.1889E-01	-7.5 TO 22.5	0.5204E-04	82.5-112.5	0.3530E-04	45	0- 30	0.1352E-03	90-120	0.9250E-04
60-75.00	0.2200E-01	-7.5 TO 22.5	0.2184E-04	82.5-112.5	0.1304E-04	60	0- 30	0.7323E-04	90-120	0.4513E-04
75-80.79	0.9015E-02	-7.5 TO 22.5	0.3329E-05	82.5-112.5	0.8863E-06	75	0- 30	0.1587E-04	90-120	0.6163E-05
0-15.00	0.4663E-02	-7.5 TO 37.5	0.1079E-03	82.5-127.5	0.9825E-04	0	0- 45	0.3125E-03	90-135	0.3125E-03
15-30.00	0.1367E-01	-7.5 TO 37.5	0.1013E-03	82.5-127.5	0.8215E-04	15	0- 45	0.3213E-03	90-135	0.2765E-03
30-45.00	0.2175E-01	-7.5 TO 37.5	0.8049E-04	82.5-127.5	0.5842E-04	30	0- 45	0.2789E-03	90-135	0.2096E-03
45-60.00	0.2834E-01	-7.5 TO 37.5	0.5136E-04	82.5-127.5	0.3383E-04	45	0- 45	0.1995E-03	90-135	0.1338E-03
60-75.00	0.3301E-01	-7.5 TO 37.5	0.2147E-04	82.5-127.5	0.1233E-04	60	0- 45	0.1076E-03	90-135	0.6467E-04
75-80.79	0.1352E-01	-7.5 TO 37.5	0.3194E-05	82.5-127.5	0.7649E-06	75	0- 45	0.2294E-04	90-135	0.8381E-05
0-15.00	0.6217E-02	-7.5 TO 52.5	0.1074E-03	82.5-142.5	0.9739E-04	0	0- 60	0.4167E-03	90-150	0.4167E-03
15-30.00	0.1823E-01	-7.5 TO 52.5	0.1003E-03	82.5-142.5	0.8055E-04	15	0- 60	0.4248E-03	90-150	0.3642E-03
30-45.00	0.2900E-01	-7.5 TO 52.5	0.7926E-04	82.5-142.5	0.5671E-04	30	0- 60	0.3660E-03	90-150	0.2731E-03
45-60.00	0.3775E-01	-7.5 TO 52.5	0.5039E-04	82.5-142.5	0.3255E-04	45	0- 60	0.2602E-03	90-150	0.1728E-03
60-75.00	0.4401E-01	-7.5 TO 52.5	0.2092E-04	82.5-142.5	0.1172E-04	60	0- 60	0.1395E-03	90-150	0.8280E-04
75-80.79	0.1803E-01	-7.5 TO 52.5	0.3005E-05	82.5-142.5	0.6675E-06	75	0- 60	0.2911E-04	90-150	0.1023E-04
0-15.00	0.7772E-02	-7.5 TO 67.5	0.1068E-03	82.5-157.5	0.9664E-04	0	0- 75	0.5208E-03	90-165	0.5208E-03
15-30.00	0.2279E-01	-7.5 TO 67.5	0.9895E-04	82.5-157.5	0.7917E-04	15	0- 75	0.5256E-03	90-165	0.4505E-03
30-45.00	0.3625E-01	-7.5 TO 67.5	0.7771E-04	82.5-157.5	0.5524E-04	30	0- 75	0.4488E-03	90-165	0.3347E-03
45-60.00	0.4724E-01	-7.5 TO 67.5	0.4909E-04	82.5-157.5	0.3147E-04	45	0- 75	0.3168E-03	90-165	0.2101E-03
60-75.00	0.5501E-01	-7.5 TO 67.5	0.2023E-04	82.5-157.5	0.1121E-04	60	0- 75	0.1686E-03	90-165	0.1000E-03
75-80.79	0.2254E-01	-7.5 TO 67.5	0.2786E-05	82.5-157.5	0.5898E-06	75	0- 75	0.3432E-04	90-165	0.1184E-04
0-15.00	0.9322E-02	-7.5 TO 82.5	0.1060E-03	82.5-172.5	0.9601E-04	0	0- 90	0.6250E-03	90-180	0.6250E-03
15-30.00	0.2734E-01	-7.5 TO 82.5	0.9744E-04	82.5-172.5	0.7804E-04	15	0- 90	0.6234E-03	90-180	0.5361E-03
30-45.00	0.4350E-01	-7.5 TO 82.5	0.7593E-04	82.5-172.5	0.5404E-04	30	0- 90	0.5270E-03	90-180	0.3954E-03
45-60.00	0.5668E-01	-7.5 TO 82.5	0.4765E-04	82.5-172.5	0.3059E-04	45	0- 90	0.3690E-03	90-180	0.2467E-03
60-75.00	0.6601E-01	-7.5 TO 82.5	0.1947E-04	82.5-172.5	0.1080E-04	60	0- 90	0.1950E-03	90-180	0.1167E-03
75-80.79	0.2705E-01	-7.5 TO 82.5	0.2563E-05	82.5-172.5	0.5301E-06	75	0- 90	0.3858E-04	90-180	0.1335E-04
0-15.00	0.1088E-01	-7.5 TO 97.5	0.1052E-03	82.5-187.5	0.9553E-04	0	0-105	0.7292E-03	90-195	0.7292E-03
15-30.00	0.3190E-01	-7.5 TO 97.5	0.9578E-04	82.5-187.5	0.7717E-04	15	0-105	0.7182E-03	90-195	0.6217E-03
30-45.00	0.5074E-01	-7.5 TO 97.5	0.7401E-04	82.5-187.5	0.5311E-04	30	0-105	0.6008E-03	90-195	0.4561E-03
45-60.00	0.6613E-01	-7.5 TO 97.5	0.4611E-04	82.5-187.5	0.2991E-04	45	0-105	0.4171E-03	90-195	0.2833E-03
60-75.00	0.7701E-01	-7.5 TO 97.5	0.1866E-04	82.5-187.5	0.1049E-04	60	0-105	0.2187E-03	90-195	0.1335E-03
75-80.79	0.3155E-01	-7.5 TO 97.5	0.2345E-05	82.5-187.5	0.4856E-06	75	0-105	0.4200E-04	90-195	0.1485E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

r_2/r_1 = 0.20 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5686 $\cosh \mu_2$ = 17.1571 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 164.11

Span of α_1	Dimensionless area, A/z^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7662E-03	-7.5 TO 7.5	0.3232E-05	82.5- 97.5	0.3210E-05	0	0- 15	0.3311E-05	90-105	0.3311E-05
15-30.00	0.2229E-02	-7.5 TO 7.5	0.2880E-05	82.5- 97.5	0.2835E-05	15	0- 15	0.3143E-05	90-105	0.3107E-05
30-45.00	0.3545E-02	-7.5 TO 7.5	0.2241E-05	82.5- 97.5	0.2187E-05	30	0- 15	0.2621E-05	90-105	0.2563E-05
45-60.00	0.4621E-02	-7.5 TO 7.5	0.1462E-05	82.5- 97.5	0.1414E-05	45	0- 15	0.1880E-05	90-105	0.1819E-05
60-75.00	0.5381E-02	-7.5 TO 7.5	0.6709E-06	82.5- 97.5	0.6456E-06	60	0- 15	0.1071E-05	90-105	0.1025E-05
75-83.44	0.3225E-02	-7.5 TO 7.5	0.1229E-06	82.5- 97.5	0.1081E-06	75	0- 15	0.3112E-06	90-105	0.2872E-06
0-15.00	0.1526E-02	-7.5 TO 22.5	0.3232E-05	82.5-112.5	0.3207E-05	0	0- 30	0.6622E-05	90-120	0.6622E-05
15-30.00	0.4458E-02	-7.5 TO 22.5	0.2879E-05	82.5-112.5	0.2829E-05	15	0- 30	0.6284E-05	90-120	0.6205E-05
30-45.00	0.7091E-02	-7.5 TO 22.5	0.2240E-05	82.5-112.5	0.2180E-05	30	0- 30	0.5239E-05	90-120	0.5113E-05
45-60.00	0.9241E-02	-7.5 TO 22.5	0.1461E-05	82.5-112.5	0.1408E-05	45	0- 30	0.3756E-05	90-120	0.3625E-05
60-75.00	0.1076E-01	-7.5 TO 22.5	0.6764E-06	82.5-112.5	0.6417E-06	60	0- 30	0.2139E-05	90-120	0.2039E-05
75-83.44	0.6445E-02	-7.5 TO 22.5	0.1227E-06	82.5-112.5	0.1062E-06	75	0- 30	0.6210E-06	90-120	0.5691E-06
0-15.00	0.2288E-02	-7.5 TO 37.5	0.3231E-05	82.5-127.5	0.3205E-05	0	0- 45	0.9932E-05	90-135	0.9932E-05
15-30.00	0.6686E-02	-7.5 TO 37.5	0.2877E-05	82.5-127.5	0.2824E-05	15	0- 45	0.9421E-05	90-135	0.9297E-05
30-45.00	0.1064E-01	-7.5 TO 37.5	0.2238E-05	82.5-127.5	0.2173E-05	30	0- 45	0.7850E-05	90-135	0.7651E-05
45-60.00	0.1386E-01	-7.5 TO 37.5	0.1459E-05	82.5-127.5	0.1402E-05	45	0- 45	0.5625E-05	90-135	0.5418E-05
60-75.00	0.1614E-01	-7.5 TO 37.5	0.6751E-06	82.5-127.5	0.6379E-06	60	0- 45	0.3202E-05	90-135	0.3045E-05
75-83.44	0.9674E-02	-7.5 TO 37.5	0.1221E-06	82.5-127.5	0.1044E-06	75	0- 45	0.9279E-06	90-135	0.8464E-06
0-15.00	0.3041E-02	-7.5 TO 52.5	0.3230E-05	82.5-142.5	0.3202E-05	0	0- 60	0.1324E-04	90-150	0.1324E-04
15-30.00	0.8915E-02	-7.5 TO 52.5	0.2875E-05	82.5-142.5	0.2819E-05	15	0- 60	0.1255E-04	90-150	0.1238E-04
30-45.00	0.1418E-01	-7.5 TO 52.5	0.2235E-05	82.5-142.5	0.2167E-05	30	0- 60	0.1045E-04	90-150	0.1018E-04
45-60.00	0.1848E-01	-7.5 TO 52.5	0.1456E-05	82.5-142.5	0.1396E-05	45	0- 60	0.7483E-05	90-150	0.7202E-05
60-75.00	0.2151E-01	-7.5 TO 52.5	0.6733E-06	82.5-142.5	0.6344E-06	60	0- 60	0.4257E-05	90-150	0.4043E-05
75-83.44	0.1290E-01	-7.5 TO 52.5	0.1212E-06	82.5-142.5	0.1029E-06	75	0- 60	0.1231E-05	90-150	0.1120E-05
0-15.00	0.3801E-02	-7.5 TO 67.5	0.3228E-05	82.5-157.5	0.3200E-05	0	0- 75	0.1655E-04	90-165	0.1655E-04
15-30.00	0.1114E-01	-7.5 TO 67.5	0.2871E-05	82.5-157.5	0.2814E-05	15	0- 75	0.1568E-04	90-165	0.1546E-04
30-45.00	0.1773E-01	-7.5 TO 67.5	0.2231E-05	82.5-157.5	0.2162E-05	30	0- 75	0.1304E-04	90-165	0.1270E-04
45-60.00	0.2310E-01	-7.5 TO 67.5	0.1453E-05	82.5-157.5	0.1392E-05	45	0- 75	0.9330E-05	90-165	0.8979E-05
60-75.00	0.2690E-01	-7.5 TO 67.5	0.6709E-06	82.5-157.5	0.6314E-06	60	0- 75	0.5303E-05	90-165	0.5036E-05
75-83.44	0.1612E-01	-7.5 TO 67.5	0.1200E-06	82.5-157.5	0.1016E-06	75	0- 75	0.1529E-05	90-165	0.1391E-05
0-15.00	0.4561E-02	-7.5 TO 82.5	0.3226E-05	82.5-172.5	0.3198E-05	0	0- 90	0.1986E-04	90-180	0.1986E-04
15-30.00	0.1337E-01	-7.5 TO 82.5	0.2867E-05	82.5-172.5	0.2811E-05	15	0- 90	0.1879E-04	90-180	0.1854E-04
30-45.00	0.2127E-01	-7.5 TO 82.5	0.2226E-05	82.5-172.5	0.2157E-05	30	0- 90	0.1562E-04	90-180	0.1522E-04
45-60.00	0.2772E-01	-7.5 TO 82.5	0.1448E-05	82.5-172.5	0.1388E-05	45	0- 90	0.1116E-04	90-180	0.1075E-04
60-75.00	0.3228E-01	-7.5 TO 82.5	0.6680E-06	82.5-172.5	0.6289E-06	60	0- 90	0.6338E-05	90-180	0.6026E-05
75-83.44	0.1935E-01	-7.5 TO 82.5	0.1187E-06	82.5-172.5	0.1005E-06	75	0- 90	0.1822E-05	90-180	0.1660E-05
0-15.00	0.5221E-02	-7.5 TO 97.5	0.3224E-05	82.5-187.5	0.3197E-05	0	0-105	0.2318E-04	90-195	0.2318E-04
15-30.00	0.1340E-01	-7.5 TO 97.5	0.2802E-05	82.5-187.5	0.2808E-05	15	0-105	0.2190E-04	90-195	0.2162E-04
30-45.00	0.2482E-01	-7.5 TO 97.5	0.2220E-05	82.5-187.5	0.2154E-05	30	0-105	0.1818E-04	90-195	0.1774E-04
45-60.00	0.3234E-01	-7.5 TO 97.5	0.1443E-05	82.5-187.5	0.1385E-05	45	0-105	0.1298E-04	90-195	0.1253E-04
60-75.00	0.3766E-01	-7.5 TO 97.5	0.6648E-06	82.5-187.5	0.6265E-06	60	0-105	0.7363E-05	90-195	0.7017E-05
75-83.44	0.2257E-01	-7.5 TO 97.5	0.1172E-06	82.5-187.5	0.9969E-07	75	0-105	0.2109E-05	90-195	0.1930E-05

r_2/r_1 = 0.20 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5686 $\cosh \mu_2$ = 17.1571 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 148.29

0-15.00	0.7662E-03	-7.5 TO 7.5	0.1206E-04	82.5- 97.5	0.1190E-04	0	0- 15	0.1227E-04	90-105	0.1227E-04
15-30.00	0.2229E-02	-7.5 TO 7.5	0.1084E-04	82.5- 97.5	0.1051E-04	15	0- 15	0.1177E-04	90-105	0.1150E-04
30-45.00	0.3545E-02	-7.5 TO 7.5	0.8319E-05	82.5- 97.5	0.8108E-05	30	0- 15	0.9916E-05	90-105	0.9474E-05
45-60.00	0.4621E-02	-7.5 TO 7.5	0.5606E-05	82.5- 97.5	0.5244E-05	45	0- 15	0.7175E-05	90-105	0.6719E-05
60-75.00	0.5381E-02	-7.5 TO 7.5	0.2631E-05	82.5- 97.5	0.2396E-05	60	0- 15	0.4129E-05	90-105	0.3782E-05
75-83.44	0.3225E-02	-7.5 TO 7.5	0.5133E-06	82.5- 97.5	0.4027E-06	75	0- 15	0.1237E-05	90-105	0.1057E-05
0-15.00	0.1526E-02	-7.5 TO 22.5	0.1206E-04	82.5-112.5	0.1187E-04	0	0- 30	0.2454E-04	90-120	0.2454E-04
15-30.00	0.4458E-02	-7.5 TO 22.5	0.1084E-04	82.5-112.5	0.1046E-04	15	0- 30	0.2353E-04	90-120	0.2293E-04
30-45.00	0.7091E-02	-7.5 TO 22.5	0.8511E-05	82.5-112.5	0.8055E-05	30	0- 30	0.1980E-04	90-120	0.1885E-04
45-60.00	0.9241E-02	-7.5 TO 22.5	0.5600E-05	82.5-112.5	0.5198E-05	45	0- 30	0.1432E-04	90-120	0.1334E-04
60-75.00	0.1076E-01	-7.5 TO 22.5	0.2627E-05	82.5-112.5	0.2367E-05	60	0- 30	0.8237E-05	90-120	0.7489E-05
75-83.44	0.6445E-02	-7.5 TO 22.5	0.5113E-06	82.5-112.5	0.3893E-06	75	0- 30	0.2462E-05	90-120	0.2077E-05
0-15.00	0.2288E-02	-7.5 TO 37.5	0.1205E-04	82.5-127.5	0.1185E-04	0	0- 45	0.3681E-04	90-135	0.3681E-04
15-30.00	0.6686E-02	-7.5 TO 37.5	0.1083E-04	82.5-127.5	0.1042E-04	15	0- 45	0.3525E-04	90-135	0.3432E-04
30-45.00	0.1064E-01	-7.5 TO 37.5	0.8495E-05	82.5-127.5	0.8066E-05	30	0- 45	0.2964E-04	90-135	0.2814E-04
45-60.00	0.1386E-01	-7.5 TO 37.5	0.5588E-05	82.5-127.5	0.5154E-05	45	0- 45	0.2142E-04	90-135	0.1987E-04
60-75.00	0.1614E-01	-7.5 TO 37.5	0.2618E-05	82.5-127.5	0.2339E-05	60	0- 45	0.1230E-04	90-135	0.1113E-04
75-83.44	0.9674E-02	-7.5 TO 37.5	0.5008E-06	82.5-127.5	0.3776E-06	75	0- 45	0.3666E-05	90-135	0.3063E-05
0-15.00	0.3041E-02	-7.5 TO 52.5	0.1204E-04	82.5-142.5	0.1184E-04	0	0- 60	0.4908E-04	90-150	0.4908E-04
15-30.00	0.8915E-02	-7.5 TO 52.5	0.1081E-04	82.5-142.5	0.1039E-04	15	0- 60	0.4693E-04	90-150	0.4565E-04
30-45.00	0.1418E-01	-7.5 TO 52.5	0.8471E-05	82.5-142.5	0.7960E-05	30	0- 60	0.3941E-04	90-150	0.3736E-04
45-60.00	0.1848E-01	-7.5 TO 52.5	0.5564E-05	82.5-142.5	0.5115E-05	45	0- 60	0.2843E-04	90-150	0.2632E-04
60-75.00	0.2152E-01	-7.5 TO 52.5	0.2604E-05	82.5-142.5	0.2314E-05	60	0- 60	0.1631E-04	90-150	0.1472E-04
75-83.44	0.1290E-01	-7.5 TO 52.5	0.5001E-06	82.5-142.5	0.3678E-06	75	0- 60	0.4840E-05	90-150	0.4022E-05
0-15.00	0.3801E-02	-7.5 TO 67.5	0.1203E-04	82.5-157.5	0.1182E-04	0	0- 75	0.6134E-04	90-165	0.6134E-04
15-30.00	0.1114E-01	-7.5 TO 67.5	0.1078E-04	82.5-157.5	0.1035E-04	15	0- 75	0.5855E-04	90-165	0.5696E-04
30-45.00	0.1773E-01	-7.5 TO 67.5	0.8439E-05	82.5-157.5	0.7920E-05	30	0- 75	0.4908E-04	90-165	0.4653E-04
45-60.00	0.2310E-01	-7.5 TO 67.5	0.5536E-05	82.5-157.5	0.5080E-05	45	0- 75	0.3536E-04	90-165	0.3273E-04
60-75.00	0.2690E-01	-7.5 TO 67.5	0.2588E-05	82.5-157.5	0.2292E-05	60	0- 75	0.2025E-04	90-165	0.1826E-04
75-83.44	0.1612E-01	-7.5 TO 67.5	0.4914E-06	82.5-157.5	0.3597E-06	75	0- 75	0.5977E-05	90-165	0.4962E-05
0-15.00	0.4561E-02	-7.5 TO 82.5	0.1202E-04	82.5-172.5	0.1181E-04	0	0- 90	0.7361E-04	90-180	0.7361E-04
15-30.00	0.1337E-01	-7.5 TO 82.5	0.1075E-04	82.5-172.5	0.1032E-04	15	0- 90	0.7011E-04	90-180	0.6825E-04
30-45.00	0.2127E-01	-7.5 TO 82.5	0.8401E-05	82.5-172.5	0.7887E-05	30	0- 90	0.5866E-04	90-180	0.5567E-04
45-60.00	0.2772E-01	-7.5 TO 82.5	0.5503E-05	82.5-172.5	0.5051E-05	45	0- 90	0.4218E-04	90-180	0.3911E-04
60-75.00	0.3228E-01	-7.5 TO 82.5	0.2564E-05	82.5-172.5	0.2274E-05	60	0- 90	0.2411E-04	90-180	0.2179E-04
75-83.44	0.1935E-01	-7.5 TO 82.5	0.4812E-06	82.5-172.5	0.3531E-06	75	0- 90	0.7075E-05	90-180	0.5893E-05
0-15.00	0.5321E-02	-7.5 TO 97.5	0.1200E-04	82.5-187.5	0.1179E-04	0	0-105	0.8588E-04	90-195	0.8588E-04
15-30.00	0.1340E-01	-7.5 TO 97.5	0.1071E-04	82.5-187.5	0.1030E-04	15	0-105	0.8161E-04	90-195	0.7954E-04
30-45.00	0.2482E-01	-7.5 TO 97.5	0.8359E-05	82.5-187.5	0.7861E-05	30	0-105	0.6813E-04	90-195	0.6481E-04
45-60.00	0.3234E-01	-7.5 TO 97.5	0.5466E-05	82.5-187.5	0.5028E-05	45	0-105	0.4890E-04	90-195	0.4549E-04
60-75.00	0.3766E-01	-7.5 TO 97.5	0.2540E-05	82.5-187.5	0.2260E-05	60	0-105	0.2790E-04	90-195	0.2532E-04
75-83.44	0.2257E-01	-7.5 TO 97.5	0.4700E-06	82.5-187.5	0.3481E-06	75	0-105	0.8132E-05	90-195	0.6823E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

r_2/r_1 = 0.20 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5686 $\cosh \mu_2$ = 17.1571 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 132.59

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7662E-03	-7.5 TO 7.5	0.2404E-04	82.5- 97.5	0.2353E-04	0	0- 15	0.2427E-04	90-105	0.2427E-04
15-30.00	0.2229E-02	-7.5 TO 7.5	0.2181E-04	82.5- 97.5	0.2079E-04	15	0- 15	0.2354E-04	90-105	0.2271E-04
30-45.00	0.3945E-02	-7.5 TO 7.5	0.1730E-04	82.5- 97.5	0.1605E-04	30	0- 15	0.2004E-04	90-105	0.1869E-04
45-60.00	0.4621E-02	-7.5 TO 7.5	0.1149E-04	82.5- 97.5	0.1038E-04	45	0- 15	0.1463E-04	90-105	0.1325E-04
60-75.00	0.4381E-02	-7.5 TO 7.5	0.5459E-05	82.5- 97.5	0.4751E-05	60	0- 15	0.8503E-05	90-105	0.7454E-05
75-83.44	0.3229E-02	-7.5 TO 7.5	0.1128E-05	82.5- 97.5	0.8030E-06	75	0- 15	0.2614E-05	90-105	0.2082E-05
0-15.00	0.1526E-02	-7.5 TO 22.5	0.2403E-04	82.5-112.5	0.2346E-04	0	0- 30	0.4853E-04	90-120	0.4853E-04
15-30.00	0.4458E-02	-7.5 TO 22.5	0.2180E-04	82.5-112.5	0.2066E-04	15	0- 30	0.4704E-04	90-120	0.4523E-04
30-45.00	0.7891E-02	-7.5 TO 22.5	0.1728E-04	82.5-112.5	0.1585E-04	30	0- 30	0.3999E-04	90-120	0.3709E-04
45-60.00	0.9241E-02	-7.5 TO 22.5	0.1147E-04	82.5-112.5	0.1025E-04	45	0- 30	0.2918E-04	90-120	0.2619E-04
60-75.00	0.1076E-01	-7.5 TO 22.5	0.5447E-05	82.5-112.5	0.4664E-05	60	0- 30	0.1694E-04	90-120	0.1468E-04
75-83.44	0.6449E-02	-7.5 TO 22.5	0.1122E-05	82.5-112.5	0.7656E-06	75	0- 30	0.5194E-05	90-120	0.4053E-05
0-15.00	0.2281E-02	-7.5 TO 37.5	0.2401E-04	82.5-127.5	0.2340E-04	0	0- 45	0.7280E-04	90-135	0.7280E-04
15-30.00	0.6686E-02	-7.5 TO 37.5	0.2176E-04	82.5-127.5	0.2053E-04	15	0- 45	0.7043E-04	90-135	0.6759E-04
30-45.00	0.1064E-01	-7.5 TO 37.5	0.1723E-04	82.5-127.5	0.1574E-04	30	0- 45	0.5979E-04	90-135	0.5522E-04
45-60.00	0.1386E-01	-7.5 TO 37.5	0.1142E-04	82.5-127.5	0.1012E-04	45	0- 45	0.4357E-04	90-135	0.3887E-04
60-75.00	0.1614E-01	-7.5 TO 37.5	0.5418E-05	82.5-127.5	0.4583E-05	60	0- 45	0.2525E-04	90-135	0.2171E-04
75-83.44	0.9674E-02	-7.5 TO 37.5	0.1109E-05	82.5-127.5	0.7342E-06	75	0- 45	0.7709E-05	90-135	0.5930E-05
0-15.00	0.3041E-02	-7.5 TO 52.5	0.2398E-04	82.5-142.5	0.2335E-04	0	0- 60	0.9706E-04	90-150	0.9706E-04
15-30.00	0.8915E-02	-7.5 TO 52.5	0.2170E-04	82.5-142.5	0.2042E-04	15	0- 60	0.9369E-04	90-150	0.8981E-04
30-45.00	0.1418E-01	-7.5 TO 52.5	0.1715E-04	82.5-142.5	0.1560E-04	30	0- 60	0.7936E-04	90-150	0.7314E-04
45-60.00	0.1848E-01	-7.5 TO 52.5	0.1136E-04	82.5-142.5	0.9998E-05	45	0- 60	0.5772E-04	90-150	0.5133E-04
60-75.00	0.2152E-01	-7.5 TO 52.5	0.5375E-05	82.5-142.5	0.4505E-05	60	0- 60	0.3339E-04	90-150	0.2859E-04
75-83.44	0.1290E-01	-7.5 TO 52.5	0.1089E-05	82.5-142.5	0.7080E-06	75	0- 60	0.1013E-04	90-150	0.7730E-05
0-15.00	0.3801E-02	-7.5 TO 67.5	0.2394E-04	82.5-157.5	0.2329E-04	0	0- 75	0.1213E-03	90-165	0.1213E-03
15-30.00	0.1114E-01	-7.5 TO 67.5	0.2162E-04	82.5-157.5	0.2032E-04	15	0- 75	0.1168E-03	90-165	0.1119E-03
30-45.00	0.1773E-01	-7.5 TO 67.5	0.1705E-04	82.5-157.5	0.1548E-04	30	0- 75	0.9866E-04	90-165	0.9091E-04
45-60.00	0.2310E-01	-7.5 TO 67.5	0.1127E-04	82.5-157.5	0.9894E-05	45	0- 75	0.7160E-04	90-165	0.6364E-04
60-75.00	0.2690E-01	-7.5 TO 67.5	0.5320E-05	82.5-157.5	0.4444E-05	60	0- 75	0.4132E-04	90-165	0.3535E-04
75-83.44	0.1612E-01	-7.5 TO 67.5	0.1068E-05	82.5-157.5	0.6862E-06	75	0- 75	0.1245E-04	90-165	0.9478E-05
0-15.00	0.4561E-02	-7.5 TO 82.5	0.2389E-04	82.5-172.5	0.2325E-04	0	0- 90	0.1456E-03	90-180	0.1456E-03
15-30.00	0.1337E-01	-7.5 TO 82.5	0.2152E-04	82.5-172.5	0.2023E-04	15	0- 90	0.1397E-03	90-180	0.1340E-03
30-45.00	0.2127E-01	-7.5 TO 82.5	0.1694E-04	82.5-172.5	0.1538E-04	30	0- 90	0.1177E-03	90-180	0.1086E-03
45-60.00	0.2772E-01	-7.5 TO 82.5	0.1117E-04	82.5-172.5	0.9807E-05	45	0- 90	0.8516E-04	90-180	0.7587E-04
60-75.00	0.3228E-01	-7.5 TO 82.5	0.5254E-05	82.5-172.5	0.4391E-05	60	0- 90	0.4901E-04	90-180	0.4205E-04
75-83.44	0.1935E-01	-7.5 TO 82.5	0.1033E-05	82.5-172.5	0.6686E-06	75	0- 90	0.1465E-04	90-180	0.1120E-04
0-15.00	0.5321E-02	-7.5 TO 97.5	0.2384E-04	82.5-187.5	0.2322E-04	0	0-105	0.1699E-03	90-195	0.1699E-03
15-30.00	0.1560E-01	-7.5 TO 97.5	0.2142E-04	82.5-187.5	0.2017E-04	15	0-105	0.1624E-03	90-195	0.1561E-03
30-45.00	0.2482E-01	-7.5 TO 97.5	0.1681E-04	82.5-187.5	0.1530E-04	30	0-105	0.1364E-03	90-195	0.1263E-03
45-60.00	0.3234E-01	-7.5 TO 97.5	0.1106E-04	82.5-187.5	0.9741E-05	45	0-105	0.9841E-04	90-195	0.8810E-04
60-75.00	0.3766E-01	-7.5 TO 97.5	0.5183E-05	82.5-187.5	0.4350E-05	60	0-105	0.5646E-04	90-195	0.4875E-04
75-83.44	0.2257E-01	-7.5 TO 97.5	0.9999E-06	82.5-187.5	0.6551E-06	75	0-105	0.1673E-04	90-195	0.1292E-04

r_2/r_1 = 0.20 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5686 $\cosh \mu_2$ = 17.1571 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 117.06

0-15.00	0.7662E-03	-7.5 TO 7.5	0.3584E-04	82.5- 97.5	0.3479E-04	0	0- 15	0.3588E-04	90-105	0.3588E-04
15-30.00	0.2229E-02	-7.5 TO 7.5	0.3266E-04	82.5- 97.5	0.3075E-04	15	0- 15	0.3524E-04	90-105	0.3353E-04
30-45.00	0.3945E-02	-7.5 TO 7.5	0.2632E-04	82.5- 97.5	0.2375E-04	30	0- 15	0.3033E-04	90-105	0.2757E-04
45-60.00	0.4621E-02	-7.5 TO 7.5	0.1763E-04	82.5- 97.5	0.1538E-04	45	0- 15	0.2237E-04	90-105	0.1952E-04
60-75.00	0.4381E-02	-7.5 TO 7.5	0.8473E-05	82.5- 97.5	0.7046E-05	60	0- 15	0.1312E-04	90-105	0.1098E-04
75-83.44	0.3229E-02	-7.5 TO 7.5	0.1829E-05	82.5- 97.5	0.1199E-05	75	0- 15	0.4118E-05	90-105	0.3067E-05
0-15.00	0.1526E-02	-7.5 TO 22.5	0.3582E-04	82.5-112.5	0.3466E-04	0	0- 30	0.7176E-04	90-120	0.7176E-04
15-30.00	0.4458E-02	-7.5 TO 22.5	0.3282E-04	82.5-112.5	0.3048E-04	15	0- 30	0.7038E-04	90-120	0.6667E-04
30-45.00	0.7891E-02	-7.5 TO 22.5	0.2627E-04	82.5-112.5	0.2342E-04	30	0- 30	0.6049E-04	90-120	0.5453E-04
45-60.00	0.9241E-02	-7.5 TO 22.5	0.1759E-04	82.5-112.5	0.1510E-04	45	0- 30	0.4456E-04	90-120	0.3843E-04
60-75.00	0.1076E-01	-7.5 TO 22.5	0.8448E-05	82.5-112.5	0.6874E-05	60	0- 30	0.2610E-04	90-120	0.2151E-04
75-83.44	0.6449E-02	-7.5 TO 22.5	0.1817E-05	82.5-112.5	0.1129E-05	75	0- 30	0.8167E-05	90-120	0.5924E-05
0-15.00	0.2281E-02	-7.5 TO 37.5	0.3578E-04	82.5-127.5	0.3453E-04	0	0- 45	0.1076E-03	90-135	0.1076E-03
15-30.00	0.6686E-02	-7.5 TO 37.5	0.3274E-04	82.5-127.5	0.3022E-04	15	0- 45	0.1053E-03	90-135	0.9948E-04
30-45.00	0.1064E-01	-7.5 TO 37.5	0.2617E-04	82.5-127.5	0.2312E-04	30	0- 45	0.9032E-04	90-135	0.8095E-04
45-60.00	0.1386E-01	-7.5 TO 37.5	0.1750E-04	82.5-127.5	0.1484E-04	45	0- 45	0.6641E-04	90-135	0.5680E-04
60-75.00	0.1614E-01	-7.5 TO 37.5	0.8390E-05	82.5-127.5	0.6713E-05	60	0- 45	0.3882E-04	90-135	0.3165E-04
75-83.44	0.9674E-02	-7.5 TO 37.5	0.1791E-05	82.5-127.5	0.1072E-05	75	0- 45	0.1209E-04	90-135	0.8600E-05
0-15.00	0.3041E-02	-7.5 TO 52.5	0.3572E-04	82.5-142.5	0.3441E-04	0	0- 60	0.1435E-03	90-150	0.1435E-03
15-30.00	0.8915E-02	-7.5 TO 52.5	0.3261E-04	82.5-142.5	0.2999E-04	15	0- 60	0.1400E-03	90-150	0.1320E-03
30-45.00	0.1418E-01	-7.5 TO 52.5	0.2602E-04	82.5-142.5	0.2284E-04	30	0- 60	0.1197E-03	90-150	0.1069E-03
45-60.00	0.1848E-01	-7.5 TO 52.5	0.1737E-04	82.5-142.5	0.1460E-04	45	0- 60	0.8778E-04	90-150	0.7473E-04
60-75.00	0.2152E-01	-7.5 TO 52.5	0.8302E-05	82.5-142.5	0.6567E-05	60	0- 60	0.5119E-04	90-150	0.4147E-04
75-83.44	0.1290E-01	-7.5 TO 52.5	0.1751E-05	82.5-142.5	0.1025E-05	75	0- 60	0.1582E-04	90-150	0.1113E-04
0-15.00	0.3801E-02	-7.5 TO 67.5	0.3564E-04	82.5-157.5	0.3431E-04	0	0- 75	0.1794E-03	90-165	0.1794E-03
15-30.00	0.1114E-01	-7.5 TO 67.5	0.3245E-04	82.5-157.5	0.2979E-04	15	0- 75	0.1743E-03	90-165	0.1643E-03
30-45.00	0.1773E-01	-7.5 TO 67.5	0.2582E-04	82.5-157.5	0.2259E-04	30	0- 75	0.1485E-03	90-165	0.1326E-03
45-60.00	0.2310E-01	-7.5 TO 67.5	0.1719E-04	82.5-157.5	0.1439E-04	45	0- 75	0.1086E-03	90-165	0.9235E-04
60-75.00	0.2690E-01	-7.5 TO 67.5	0.8190E-05	82.5-157.5	0.6441E-05	60	0- 75	0.6312E-04	90-165	0.5107E-04
75-83.44	0.1612E-01	-7.5 TO 67.5	0.1700E-05	82.5-157.5	0.9851E-06	75	0- 75	0.1935E-04	90-165	0.1357E-04
0-15.00	0.4561E-02	-7.5 TO 82.5	0.3554E-04	82.5-172.5	0.3423E-04	0	0- 90	0.2153E-03	90-180	0.2153E-03
15-30.00	0.1337E-01	-7.5 TO 82.5	0.3226E-04	82.5-172.5	0.2961E-04	15	0- 90	0.2082E-03	90-180	0.1966E-03
30-45.00	0.2127E-01	-7.5 TO 82.5	0.2558E-04	82.5-172.5	0.2239E-04	30	0- 90	0.1767E-03	90-180	0.1581E-03
45-60.00	0.2772E-01	-7.5 TO 82.5	0.1698E-04	82.5-172.5	0.1421E-04	45	0- 90	0.1288E-03	90-180	0.1098E-03
60-75.00	0.3228E-01	-7.5 TO 82.5	0.8038E-05	82.5-172.5	0.6336E-05	60	0- 90	0.7458E-04	90-180	0.6055E-04
75-83.44	0.1935E-01	-7.5 TO 82.5	0.1642E-05	82.5-172.5	0.9532E-06	75	0- 90	0.2264E-04	90-180	0.1596E-04
0-15.00	0.5321E-02	-7.5 TO 97.5	0.3544E-04	82.5-187.5	0.3416E-04	0	0-105	0.2511E-03	90-195	0.2511E-03
15-30.00	0.1560E-01	-7.5 TO 97.5	0.3204E-04	82.5-187.5	0.2948E-04	15	0-105	0.2417E-03	90-195	0.2288E-03
30-45.00	0.2482E-01	-7.5 TO 97.5	0.2552E-04	82.5-187.5	0.2223E-04	30	0-105	0.2043E-03	90-195	0.1837E-03
45-60.00	0.3234E-01	-7.5 TO 97.5	0.1670E-04	82.5-187.5	0.1408E-04	45	0-105	0.1483E-03	90-195	0.1273E-03
60-75.00	0.3766E-01	-7.5 TO 97.5	0.7913E-05	82.5-187.5	0.6256E-05	60	0-105	0.8556E-04	90-195	0.7003E-04
75-83.44	0.2257E-01	-7.5 TO 97.5	0.1578E-05	82.5-187.5	0.9287E-06	75	0-105	0.2571E-04	90-195	0.1834E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

r_2/r_1 = 0.20 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5686 $\cosh \mu_2$ = 17.1571 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 101.75

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7662E-03	-7.5 TO 7.5	0.4429E-04	82.5- 97.5	0.4258E-04	0	0- 15	0.4390E-04	90-105	0.4390E-04
15-30.00	0.2229E-02	-7.5 TO 7.5	0.4109E-04	82.5- 97.5	0.3764E-04	15	0- 15	0.4376E-04	90-105	0.4095E-04
30-45.00	0.3545E-02	-7.5 TO 7.5	0.3328E-04	82.5- 97.5	0.2908E-04	30	0- 15	0.3814E-04	90-105	0.3362E-04
45-60.00	0.4621E-02	-7.5 TO 7.5	0.2251E-04	82.5- 97.5	0.1885E-04	45	0- 15	0.2842E-04	90-105	0.2379E-04
60-75.00	0.5361E-02	-7.5 TO 7.5	0.1092E-04	82.5- 97.5	0.8647E-05	60	0- 15	0.1681E-04	90-105	0.1338E-04
75-83.44	0.3225E-02	-7.5 TO 7.5	0.2426E-05	82.5- 97.5	0.1479E-05	75	0- 15	0.5360E-05	90-105	0.3739E-05
0-15.00	0.1522E-02	-7.5 TO 22.5	0.4426E-04	82.5-112.5	0.4236E-04	0	0- 30	0.8781E-04	90-120	0.8781E-04
15-30.00	0.4435E-02	-7.5 TO 22.5	0.4103E-04	82.5-112.5	0.3720E-04	15	0- 30	0.8734E-04	90-120	0.8128E-04
30-45.00	0.7051E-02	-7.5 TO 22.5	0.3321E-04	82.5-112.5	0.2856E-04	30	0- 30	0.7600E-04	90-120	0.6626E-04
45-60.00	0.9241E-02	-7.5 TO 22.5	0.2244E-04	82.5-112.5	0.1840E-04	45	0- 30	0.5055E-04	90-120	0.4659E-04
60-75.00	0.1072E-01	-7.5 TO 22.5	0.1087E-04	82.5-112.5	0.8378E-05	60	0- 30	0.3341E-04	90-120	0.2605E-04
75-83.44	0.6445E-02	-7.5 TO 22.5	0.2407E-05	82.5-112.5	0.1380E-05	75	0- 30	0.1061E-04	90-120	0.7164E-05
0-15.00	0.2281E-02	-7.5 TO 37.5	0.4419E-04	82.5-127.5	0.4215E-04	0	0- 45	0.1317E-03	90-135	0.1317E-03
15-30.00	0.6666E-02	-7.5 TO 37.5	0.4089E-04	82.5-127.5	0.3678E-04	15	0- 45	0.1306E-03	90-135	0.1211E-03
30-45.00	0.1064E-01	-7.5 TO 37.5	0.3304E-04	82.5-127.5	0.2806E-04	30	0- 45	0.1133E-03	90-135	0.9803E-04
45-60.00	0.1386E-01	-7.5 TO 37.5	0.2229E-04	82.5-127.5	0.1798E-04	45	0- 45	0.8413E-04	90-135	0.6852E-04
60-75.00	0.1614E-01	-7.5 TO 37.5	0.1078E-04	82.5-127.5	0.8127E-05	60	0- 45	0.4959E-04	90-135	0.3808E-04
75-83.44	0.9674E-02	-7.5 TO 37.5	0.2366E-05	82.5-127.5	0.1298E-05	75	0- 45	0.1566E-04	90-135	0.1032E-04
0-15.00	0.3041E-02	-7.5 TO 52.5	0.4409E-04	82.5-142.5	0.4196E-04	0	0- 60	0.1756E-03	90-150	0.1756E-03
15-30.00	0.8915E-02	-7.5 TO 52.5	0.4069E-04	82.5-142.5	0.3640E-04	15	0- 60	0.1734E-03	90-150	0.1604E-03
30-45.00	0.1418E-01	-7.5 TO 52.5	0.3279E-04	82.5-142.5	0.2761E-04	30	0- 60	0.1499E-03	90-150	0.1291E-03
45-60.00	0.1847E-01	-7.5 TO 52.5	0.2207E-04	82.5-142.5	0.1760E-04	45	0- 60	0.1109E-03	90-150	0.8974E-04
60-75.00	0.2152E-01	-7.5 TO 52.5	0.1064E-04	82.5-142.5	0.7901E-05	60	0- 60	0.6518E-04	90-150	0.4962E-04
75-83.44	0.1290E-01	-7.5 TO 52.5	0.2305E-05	82.5-142.5	0.1231E-05	75	0- 60	0.2043E-04	90-150	0.1327E-04
0-15.00	0.3801E-02	-7.5 TO 67.5	0.4396E-04	82.5-157.5	0.4179E-04	0	0- 75	0.2195E-03	90-165	0.2195E-03
15-30.00	0.1114E-01	-7.5 TO 67.5	0.4042E-04	82.5-157.5	0.3607E-04	15	0- 75	0.2156E-03	90-165	0.1994E-03
30-45.00	0.1773E-01	-7.5 TO 67.5	0.3246E-04	82.5-157.5	0.2721E-04	30	0- 75	0.1856E-03	90-165	0.1596E-03
45-60.00	0.2310E-01	-7.5 TO 67.5	0.2179E-04	82.5-157.5	0.1726E-04	45	0- 75	0.1368E-03	90-165	0.1105E-03
60-75.00	0.2690E-01	-7.5 TO 67.5	0.1046E-04	82.5-157.5	0.7705E-05	60	0- 75	0.8008E-04	90-165	0.6081E-04
75-83.44	0.1612E-01	-7.5 TO 67.5	0.2229E-05	82.5-157.5	0.1175E-05	75	0- 75	0.2486E-04	90-165	0.1608E-04
0-15.00	0.4561E-02	-7.5 TO 82.5	0.4380E-04	82.5-172.5	0.4165E-04	0	0- 90	0.2634E-03	90-180	0.2634E-03
15-30.00	0.1337E-01	-7.5 TO 82.5	0.4010E-04	82.5-172.5	0.3579E-04	15	0- 90	0.2572E-03	90-180	0.2382E-03
30-45.00	0.2127E-01	-7.5 TO 82.5	0.3207E-04	82.5-172.5	0.2689E-04	30	0- 90	0.2202E-03	90-180	0.1899E-03
45-60.00	0.2772E-01	-7.5 TO 82.5	0.2145E-04	82.5-172.5	0.1698E-04	45	0- 90	0.1616E-03	90-180	0.1309E-03
60-75.00	0.3228E-01	-7.5 TO 82.5	0.1025E-04	82.5-172.5	0.7544E-05	60	0- 90	0.9423E-04	90-180	0.7182E-04
75-83.44	0.1935E-01	-7.5 TO 82.5	0.2141E-05	82.5-172.5	0.1130E-05	75	0- 90	0.2894E-04	90-180	0.1882E-04
0-15.00	0.5321E-02	-7.5 TO 97.5	0.4363E-04	82.5-187.5	0.4154E-04	0	0-105	0.3073E-03	90-195	0.3073E-03
15-30.00	0.1560E-01	-7.5 TO 97.5	0.3975E-04	82.5-187.5	0.3558E-04	15	0-105	0.2982E-03	90-195	0.2771E-03
30-45.00	0.2482E-01	-7.5 TO 97.5	0.3165E-04	82.5-187.5	0.2663E-04	30	0-105	0.2538E-03	90-195	0.2202E-03
45-60.00	0.3234E-01	-7.5 TO 97.5	0.2108E-04	82.5-187.5	0.1677E-04	45	0-105	0.1854E-03	90-195	0.1514E-03
60-75.00	0.3766E-01	-7.5 TO 97.5	0.1002E-04	82.5-187.5	0.7420E-05	60	0-105	0.1076E-03	90-195	0.8283E-04
75-83.44	0.2257E-01	-7.5 TO 97.5	0.2046E-05	82.5-187.5	0.1095E-05	75	0-105	0.3268E-04	90-195	0.2156E-04

r_2/r_1 = 0.20 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5686 $\cosh \mu_2$ = 17.1571 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 86.66

0-15.00	0.7662E-03	-7.5 TO 7.5	0.4726E-04	82.5- 97.5	0.4490E-04	0	0- 15	0.4630E-04	90-105	0.4630E-04
15-30.00	0.2229E-02	-7.5 TO 7.5	0.4450E-04	82.5- 97.5	0.3970E-04	15	0- 15	0.4696E-04	90-105	0.4309E-04
30-45.00	0.3545E-02	-7.5 TO 7.5	0.3652E-04	82.5- 97.5	0.3069E-04	30	0- 15	0.4158E-04	90-105	0.3532E-04
45-60.00	0.4621E-02	-7.5 TO 7.5	0.2495E-04	82.5- 97.5	0.1991E-04	45	0- 15	0.3136E-04	90-105	0.2497E-04
60-75.00	0.5361E-02	-7.5 TO 7.5	0.1220E-04	82.5- 97.5	0.9138E-05	60	0- 15	0.1872E-04	90-105	0.1404E-04
75-83.44	0.3225E-02	-7.5 TO 7.5	0.2751E-05	82.5- 97.5	0.1568E-05	75	0- 15	0.6025E-05	90-105	0.3924E-05
0-15.00	0.1520E-02	-7.5 TO 22.5	0.4722E-04	82.5-112.5	0.4461E-04	0	0- 30	0.9259E-04	90-120	0.9259E-04
15-30.00	0.4458E-02	-7.5 TO 22.5	0.4441E-04	82.5-112.5	0.3912E-04	15	0- 30	0.9369E-04	90-120	0.8535E-04
30-45.00	0.7091E-02	-7.5 TO 22.5	0.3642E-04	82.5-112.5	0.3000E-04	30	0- 30	0.8277E-04	90-120	0.6935E-04
45-60.00	0.9241E-02	-7.5 TO 22.5	0.2486E-04	82.5-112.5	0.1932E-04	45	0- 30	0.6231E-04	90-120	0.4865E-04
60-75.00	0.1076E-01	-7.5 TO 22.5	0.1214E-04	82.5-112.5	0.8794E-05	60	0- 30	0.3713E-04	90-120	0.2716E-04
75-83.44	0.6445E-02	-7.5 TO 22.5	0.2728E-05	82.5-112.5	0.1451E-05	75	0- 30	0.1191E-04	90-120	0.7468E-05
0-15.00	0.2281E-02	-7.5 TO 37.5	0.4712E-04	82.5-127.5	0.4433E-04	0	0- 45	0.1389E-03	90-135	0.1389E-03
15-30.00	0.6666E-02	-7.5 TO 37.5	0.4422E-04	82.5-127.5	0.3857E-04	15	0- 45	0.1400E-03	90-135	0.1269E-03
30-45.00	0.1064E-01	-7.5 TO 37.5	0.3618E-04	82.5-127.5	0.2935E-04	30	0- 45	0.1232E-03	90-135	0.1023E-03
45-60.00	0.1386E-01	-7.5 TO 37.5	0.2408E-04	82.5-127.5	0.1877E-04	45	0- 45	0.9249E-04	90-135	0.7123E-04
60-75.00	0.1614E-01	-7.5 TO 37.5	0.1201E-04	82.5-127.5	0.8481E-05	60	0- 45	0.5457E-04	90-135	0.3951E-04
75-83.44	0.9674E-02	-7.5 TO 37.5	0.2675E-05	82.5-127.5	0.1357E-05	75	0- 45	0.1752E-04	90-135	0.1070E-04
0-15.00	0.3041E-02	-7.5 TO 52.5	0.4698E-04	82.5-142.5	0.4407E-04	0	0- 60	0.1852E-03	90-150	0.1852E-03
15-30.00	0.8915E-02	-7.5 TO 52.5	0.4393E-04	82.5-142.5	0.3807E-04	15	0- 60	0.1856E-03	90-150	0.1678E-03
30-45.00	0.1418E-01	-7.5 TO 52.5	0.3583E-04	82.5-142.5	0.2877E-04	30	0- 60	0.1626E-03	90-150	0.1343E-03
45-60.00	0.1847E-01	-7.5 TO 52.5	0.2434E-04	82.5-142.5	0.1829E-04	45	0- 60	0.1216E-03	90-150	0.9294E-04
60-75.00	0.2152E-01	-7.5 TO 52.5	0.1182E-04	82.5-142.5	0.8205E-05	60	0- 60	0.7201E-04	90-150	0.5126E-04
75-83.44	0.1290E-01	-7.5 TO 52.5	0.2597E-05	82.5-142.5	0.1279E-05	75	0- 60	0.2276E-04	90-150	0.1370E-04
0-15.00	0.3801E-02	-7.5 TO 67.5	0.4680E-04	82.5-157.5	0.4385E-04	0	0- 75	0.2315E-03	90-165	0.2315E-03
15-30.00	0.1114E-01	-7.5 TO 67.5	0.4356E-04	82.5-157.5	0.3764E-04	15	0- 75	0.2304E-03	90-165	0.2084E-03
30-45.00	0.1773E-01	-7.5 TO 67.5	0.3537E-04	82.5-157.5	0.2827E-04	30	0- 75	0.2007E-03	90-165	0.1656E-03
45-60.00	0.2310E-01	-7.5 TO 67.5	0.2395E-04	82.5-157.5	0.1788E-04	45	0- 75	0.1494E-03	90-165	0.1141E-03
60-75.00	0.2690E-01	-7.5 TO 67.5	0.1158E-04	82.5-157.5	0.7970E-05	60	0- 75	0.8809E-04	90-165	0.6261E-04
75-83.44	0.1612E-01	-7.5 TO 67.5	0.2500E-05	82.5-157.5	0.1216E-05	75	0- 75	0.2757E-04	90-165	0.1654E-04
0-15.00	0.4561E-02	-7.5 TO 82.5	0.4658E-04	82.5-172.5	0.4367E-04	0	0- 90	0.2778E-03	90-180	0.2778E-03
15-30.00	0.1337E-01	-7.5 TO 82.5	0.4311E-04	82.5-172.5	0.3728E-04	15	0- 90	0.2744E-03	90-180	0.2487E-03
30-45.00	0.2127E-01	-7.5 TO 82.5	0.3483E-04	82.5-172.5	0.2785E-04	30	0- 90	0.2374E-03	90-180	0.1967E-03
45-60.00	0.2772E-01	-7.5 TO 82.5	0.2348E-04	82.5-172.5	0.1754E-04	45	0- 90	0.1758E-03	90-180	0.1349E-03
60-75.00	0.3228E-01	-7.5 TO 82.5	0.1129E-04	82.5-172.5	0.7778E-05	60	0- 90	0.1031E-03	90-180	0.7376E-04
75-83.44	0.1935E-01	-7.5 TO 82.5	0.2389E-05	82.5-172.5	0.1166E-05	75	0- 90	0.3192E-04	90-180	0.1931E-04
0-15.00	0.5321E-02	-7.5 TO 97.5	0.4634E-04	82.5-187.5	0.4352E-04	0	0-105	0.3241E-03	90-195	0.3241E-03
15-30.00	0.1560E-01	-7.5 TO 97.5	0.4263E-04	82.5-187.5	0.3701E-04	15	0-105	0.3175E-03	90-195	0.2890E-03
30-45.00	0.2482E-01	-7.5 TO 97.5	0.3424E-04	82.5-187.5	0.2754E-04	30	0-105	0.2727E-03	90-195	0.2278E-03
45-60.00	0.3234E-01	-7.5 TO 97.5	0.2297E-04	82.5-187.5	0.1728E-04	45	0-105	0.2007E-03	90-195	0.1557E-03
60-75.00	0.3766E-01	-7.5 TO 97.5	0.1099E-04	82.5-187.5	0.7631E-05	60	0-105	0.1172E-03	90-195	0.8491E-04
75-83.44	0.2257E-01	-7.5 TO 97.5	0.2272E-05	82.5-187.5	0.1127E-05	75	0-105	0.3584E-04	90-195	0.2207E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

r_2/r_1 = 0.20 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5686 $\cosh \mu_2$ = 17.1571 $\alpha_{2,max}$ = 96.56 $\theta_{2,min}$ = 80.13

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7602E-03	-7.5 TO 7.5	0.4726E-04	82.5- 97.5	0.4490E-04	0	0- 15	0.4630E-04	90-105	0.4630E-04
15-30.00	0.2225E-02	-7.5 TO 7.5	0.4454E-04	82.5- 97.5	0.3970E-04	15	0- 15	0.4697E-04	90-105	0.4309E-04
30-45.00	0.3545E-02	-7.5 TO 7.5	0.3666E-04	82.5- 97.5	0.3069E-04	30	0- 15	0.4166E-04	90-105	0.3532E-04
45-60.00	0.4621E-02	-7.5 TO 7.5	0.2513E-04	82.5- 97.5	0.1991E-04	45	0- 15	0.3153E-04	90-105	0.2497E-04
60-75.00	0.5381E-02	-7.5 TO 7.5	0.1232E-04	82.5- 97.5	0.9138E-05	60	0- 15	0.1888E-04	90-105	0.1404E-04
75-83.44	0.5225E-02	-7.5 TO 7.5	0.2785E-05	82.5- 97.5	0.1568E-05	75	0- 15	0.6091E-05	90-105	0.3924E-05
0-15.00	0.1526E-02	-7.5 TO 22.5	0.4722E-04	82.5-112.5	0.4461E-04	0	0- 30	0.9259E-04	90-120	0.9259E-04
15-30.00	0.4458E-02	-7.5 TO 22.5	0.4445E-04	82.5-112.5	0.3912E-04	15	0- 30	0.9369E-04	90-120	0.8535E-04
30-45.00	0.7054E-02	-7.5 TO 22.5	0.3655E-04	82.5-112.5	0.3000E-04	30	0- 30	0.8292E-04	90-120	0.6935E-04
45-60.00	0.9241E-02	-7.5 TO 22.5	0.2503E-04	82.5-112.5	0.1932E-04	45	0- 30	0.6262E-04	90-120	0.4865E-04
60-75.00	0.1076E-01	-7.5 TO 22.5	0.1225E-04	82.5-112.5	0.8794E-05	60	0- 30	0.3742E-04	90-120	0.2716E-04
75-83.44	0.6449E-02	-7.5 TO 22.5	0.2760E-05	82.5-112.5	0.1451E-05	75	0- 30	0.1203E-04	90-120	0.7468E-05
0-15.00	0.2281E-02	-7.5 TO 37.5	0.4712E-04	82.5-127.5	0.4433E-04	0	0- 45	0.1389E-03	90-135	0.1389E-03
15-30.00	0.6666E-02	-7.5 TO 37.5	0.4426E-04	82.5-127.5	0.3857E-04	15	0- 45	0.1400E-03	90-135	0.1269E-03
30-45.00	0.1064E-01	-7.5 TO 37.5	0.3630E-04	82.5-127.5	0.2935E-04	30	0- 45	0.1234E-03	90-135	0.1023E-03
45-60.00	0.1386E-01	-7.5 TO 37.5	0.2481E-04	82.5-127.5	0.1877E-04	45	0- 45	0.9289E-04	90-135	0.7123E-04
60-75.00	0.1614E-01	-7.5 TO 37.5	0.1212E-04	82.5-127.5	0.8481E-05	60	0- 45	0.5535E-04	90-135	0.3951E-04
75-83.44	0.9674E-02	-7.5 TO 37.5	0.2704E-05	82.5-127.5	0.1357E-05	75	0- 45	0.1767E-04	90-135	0.1070E-04
0-15.00	0.3041E-02	-7.5 TO 52.5	0.4698E-04	82.5-142.5	0.4407E-04	0	0- 60	0.1852E-03	90-150	0.1852E-03
15-30.00	0.8515E-02	-7.5 TO 52.5	0.4396E-04	82.5-142.5	0.3807E-04	15	0- 60	0.1856E-03	90-150	0.1678E-03
30-45.00	0.1418E-01	-7.5 TO 52.5	0.3593E-04	82.5-142.5	0.2877E-04	30	0- 60	0.1628E-03	90-150	0.1343E-03
45-60.00	0.1848E-01	-7.5 TO 52.5	0.2448E-04	82.5-142.5	0.1829E-04	45	0- 60	0.1220E-03	90-150	0.9294E-04
60-75.00	0.2152E-01	-7.5 TO 52.5	0.1191E-04	82.5-142.5	0.8205E-05	60	0- 60	0.7243E-04	90-150	0.5126E-04
75-83.44	0.1290E-01	-7.5 TO 52.5	0.2622E-05	82.5-142.5	0.1279E-05	75	0- 60	0.2293E-04	90-150	0.1370E-04
0-15.00	0.3801E-02	-7.5 TO 67.5	0.4680E-04	82.5-157.5	0.4385E-04	0	0- 75	0.2315E-03	90-165	0.2315E-03
15-30.00	0.1114E-01	-7.5 TO 67.5	0.4358E-04	82.5-157.5	0.3764E-04	15	0- 75	0.2304E-03	90-165	0.2084E-03
30-45.00	0.1773E-01	-7.5 TO 67.5	0.3545E-04	82.5-157.5	0.2827E-04	30	0- 75	0.2009E-03	90-165	0.1656E-03
45-60.00	0.2310E-01	-7.5 TO 67.5	0.2406E-04	82.5-157.5	0.1788E-04	45	0- 75	0.1498E-03	90-165	0.1141E-03
60-75.00	0.2690E-01	-7.5 TO 67.5	0.1165E-04	82.5-157.5	0.7970E-05	60	0- 75	0.8852E-04	90-165	0.6261E-04
75-83.44	0.1612E-01	-7.5 TO 67.5	0.2520E-05	82.5-157.5	0.1216E-05	75	0- 75	0.2774E-04	90-165	0.1454E-04
0-15.00	0.4561E-02	-7.5 TO 82.5	0.4658E-04	82.5-172.5	0.4367E-04	0	0- 90	0.2778E-03	90-180	0.2778E-03
15-30.00	0.1337E-01	-7.5 TO 82.5	0.4313E-04	82.5-172.5	0.3728E-04	15	0- 90	0.2744E-03	90-180	0.2487E-03
30-45.00	0.2127E-01	-7.5 TO 82.5	0.3490E-04	82.5-172.5	0.2785E-04	30	0- 90	0.2376E-03	90-180	0.1967E-03
45-60.00	0.2772E-01	-7.5 TO 82.5	0.2357E-04	82.5-172.5	0.1754E-04	45	0- 90	0.1762E-03	90-180	0.1349E-03
60-75.00	0.3228E-01	-7.5 TO 82.5	0.1136E-04	82.5-172.5	0.7778E-05	60	0- 90	0.1036E-03	90-180	0.7376E-04
75-83.44	0.1935E-01	-7.5 TO 82.5	0.2406E-05	82.5-172.5	0.1166E-05	75	0- 90	0.3210E-04	90-180	0.1931E-04
0-15.00	0.5321E-02	-7.5 TO 97.5	0.4634E-04	82.5-187.5	0.4352E-04	0	0-105	0.3241E-03	90-195	0.3241E-03
15-30.00	0.1560E-01	-7.5 TO 97.5	0.4264E-04	82.5-187.5	0.3701E-04	15	0-105	0.3175E-03	90-195	0.2890E-03
30-45.00	0.2482E-01	-7.5 TO 97.5	0.3430E-04	82.5-187.5	0.2754E-04	30	0-105	0.2729E-03	90-195	0.2278E-03
45-60.00	0.3234E-01	-7.5 TO 97.5	0.2305E-04	82.5-187.5	0.1728E-04	45	0-105	0.2012E-03	90-195	0.1557E-03
60-75.00	0.3766E-01	-7.5 TO 97.5	0.1104E-04	82.5-187.5	0.7631E-05	60	0-105	0.1176E-03	90-195	0.8491E-04
75-83.44	0.2257E-01	-7.5 TO 97.5	0.2286E-05	82.5-187.5	0.1127E-05	75	0-105	0.3602E-04	90-195	0.2207E-04

r_2/r_1 = 0.20 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0480 $\cosh \mu_2$ = 24.7600 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 164.39

0-15.00	0.3644E-03	-7.5 TO 7.5	0.1409E-05	82.5- 97.5	0.1403E-05	0	0- 15	0.1439E-05	90-105	0.1439E-05
15-30.00	0.1068E-02	-7.5 TO 7.5	0.1276E-05	82.5- 97.5	0.1264E-05	15	0- 15	0.1376E-05	90-105	0.1365E-05
30-45.00	0.1695E-02	-7.5 TO 7.5	0.1029E-05	82.5- 97.5	0.1013E-05	30	0- 15	0.1178E-05	90-105	0.1161E-05
45-60.00	0.2215E-02	-7.5 TO 7.5	0.7113E-06	82.5- 97.5	0.6960E-06	45	0- 15	0.8851E-06	90-105	0.8666E-06
60-75.00	0.2579E-02	-7.5 TO 7.5	0.3687E-06	82.5- 97.5	0.3578E-06	60	0- 15	0.5448E-06	90-105	0.5295E-06
75-83.41	0.1912E-02	-7.5 TO 7.5	0.8945E-07	82.5- 97.5	0.8397E-07	75	0- 15	0.2012E-06	90-105	0.1922E-06
0-15.00	0.7287E-03	-7.5 TO 22.5	0.1409E-05	82.5-112.5	0.1402E-05	0	0- 30	0.2879E-05	90-120	0.2879E-05
15-30.00	0.2137E-02	-7.5 TO 22.5	0.1276E-05	82.5-112.5	0.1262E-05	15	0- 30	0.2750E-05	90-120	0.2728E-05
30-45.00	0.3395E-02	-7.5 TO 22.5	0.1029E-05	82.5-112.5	0.1011E-05	30	0- 30	0.2355E-05	90-120	0.2319E-05
45-60.00	0.4429E-02	-7.5 TO 22.5	0.7110E-06	82.5-112.5	0.6940E-06	45	0- 30	0.1769E-05	90-120	0.1729E-05
60-75.00	0.5158E-02	-7.5 TO 22.5	0.3685E-06	82.5-112.5	0.3564E-06	60	0- 30	0.1089E-05	90-120	0.1056E-05
75-85.41	0.3824E-02	-7.5 TO 22.5	0.8936E-07	82.5-112.5	0.8328E-07	75	0- 30	0.4018E-06	90-120	0.3825E-06
0-15.00	0.1093E-02	-7.5 TO 37.5	0.1409E-05	82.5-127.5	0.1401E-05	0	0- 45	0.4318E-05	90-135	0.4318E-05
15-30.00	0.3205E-02	-7.5 TO 37.5	0.1276E-05	82.5-127.5	0.1260E-05	15	0- 45	0.4124E-05	90-135	0.4089E-05
30-45.00	0.5098E-02	-7.5 TO 37.5	0.1028E-05	82.5-127.5	0.1009E-05	30	0- 45	0.3530E-05	90-135	0.3472E-05
45-60.00	0.6644E-02	-7.5 TO 37.5	0.7104E-06	82.5-127.5	0.6922E-06	45	0- 45	0.2651E-05	90-135	0.2588E-05
60-75.00	0.7737E-02	-7.5 TO 37.5	0.3680E-06	82.5-127.5	0.3551E-06	60	0- 45	0.1631E-05	90-135	0.1579E-05
75-85.41	0.5737E-02	-7.5 TO 37.5	0.8914E-07	82.5-127.5	0.8262E-07	75	0- 45	0.6014E-06	90-135	0.5710E-06
0-15.00	0.1457E-02	-7.5 TO 52.5	0.1408E-05	82.5-142.5	0.1401E-05	0	0- 60	0.5758E-05	90-150	0.5758E-05
15-30.00	0.4272E-02	-7.5 TO 52.5	0.1275E-05	82.5-142.5	0.1259E-05	15	0- 60	0.5496E-05	90-150	0.5449E-05
30-45.00	0.6790E-02	-7.5 TO 52.5	0.1027E-05	82.5-142.5	0.1007E-05	30	0- 60	0.4703E-05	90-150	0.4624E-05
45-60.00	0.8859E-02	-7.5 TO 52.5	0.7095E-06	82.5-142.5	0.6905E-06	45	0- 60	0.3530E-05	90-150	0.3443E-05
60-75.00	0.1032E-01	-7.5 TO 52.5	0.3674E-06	82.5-142.5	0.3539E-06	60	0- 60	0.2170E-05	90-150	0.2100E-05
75-85.41	0.7649E-02	-7.5 TO 52.5	0.8882E-07	82.5-142.5	0.8201E-07	75	0- 60	0.7995E-06	90-150	0.7581E-06
0-15.00	0.1822E-02	-7.5 TO 67.5	0.1408E-05	82.5-157.5	0.1400E-05	0	0- 75	0.7197E-05	90-165	0.7197E-05
15-30.00	0.5341E-02	-7.5 TO 67.5	0.1274E-05	82.5-157.5	0.1258E-05	15	0- 75	0.6866E-05	90-165	0.6807E-05
30-45.00	0.8457E-02	-7.5 TO 67.5	0.1026E-05	82.5-157.5	0.1006E-05	30	0- 75	0.5872E-05	90-165	0.5773E-05
45-60.00	0.1107E-01	-7.5 TO 67.5	0.7083E-06	82.5-157.5	0.6890E-06	45	0- 75	0.4405E-05	90-165	0.4297E-05
60-75.00	0.1291E-01	-7.5 TO 67.5	0.3666E-06	82.5-157.5	0.3529E-06	60	0- 75	0.2707E-05	90-165	0.2618E-05
75-85.41	0.9561E-02	-7.5 TO 67.5	0.8839E-07	82.5-157.5	0.8148E-07	75	0- 75	0.9958E-06	90-165	0.9441E-06
0-15.00	0.2188E-02	-7.5 TO 82.5	0.1407E-05	82.5-172.5	0.1399E-05	0	0- 90	0.8637E-05	90-180	0.8637E-05
15-30.00	0.6410E-02	-7.5 TO 82.5	0.1273E-05	82.5-172.5	0.1257E-05	15	0- 90	0.8234E-05	90-180	0.8164E-05
30-45.00	0.1020E-01	-7.5 TO 82.5	0.1025E-05	82.5-172.5	0.1004E-05	30	0- 90	0.7037E-05	90-180	0.6921E-05
45-60.00	0.1329E-01	-7.5 TO 82.5	0.7069E-06	82.5-172.5	0.6877E-06	45	0- 90	0.5276E-05	90-180	0.5150E-05
60-75.00	0.1547E-01	-7.5 TO 82.5	0.3656E-06	82.5-172.5	0.3520E-06	60	0- 90	0.3240E-05	90-180	0.3137E-05
75-85.41	0.1147E-01	-7.5 TO 82.5	0.8789E-07	82.5-172.5	0.8104E-07	75	0- 90	0.1190E-05	90-180	0.1130E-05
0-15.00	0.2553E-02	-7.5 TO 97.5	0.1407E-05	82.5-187.5	0.1399E-05	0	0-105	0.1008E-04	90-195	0.1008E-04
15-30.00	0.7478E-02	-7.5 TO 97.5	0.1271E-05	82.5-187.5	0.1256E-05	15	0-105	0.9599E-05	90-195	0.9522E-05
30-45.00	0.1190E-01	-7.5 TO 97.5	0.1023E-05	82.5-187.5	0.1003E-05	30	0-105	0.8198E-05	90-195	0.8069E-05
45-60.00	0.1550E-01	-7.5 TO 97.5	0.7054E-06	82.5-187.5	0.6867E-06	45	0-105	0.6142E-05	90-195	0.6002E-05
60-75.00	0.1805E-01	-7.5 TO 97.5	0.3645E-06	82.5-187.5	0.3513E-06	60	0-105	0.3769E-05	90-195	0.3655E-05
75-85.41	0.1339E-01	-7.5 TO 97.5	0.8733E-07	82.5-187.5	0.8070E-07	75	0-105	0.1382E-05	90-195	0.1315E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

r_2/r_1 = 0.20 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0480 $\cosh \mu_2$ = 24.7600 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 148.82

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3644E-03	-7.5 TO 7.5	0.5298E-05	82.5- 97.5	0.5211E-05	0	0- 15	0.5347E-05	90-105	0.5347E-05
15-30.00	0.1066E-02	-7.5 TO 7.5	0.4791E-05	82.5- 97.5	0.4694E-05	15	0- 15	0.5145E-05	90-105	0.5068E-05
30-45.00	0.1655E-02	-7.5 TO 7.5	0.3887E-05	82.5- 97.5	0.3764E-05	30	0- 15	0.4435E-05	90-105	0.4307E-05
45-60.00	0.2215E-02	-7.5 TO 7.5	0.2701E-05	82.5- 97.5	0.2586E-05	45	0- 15	0.3352E-05	90-105	0.3212E-05
60-75.00	0.2579E-02	-7.5 TO 7.5	0.1411E-05	82.5- 97.5	0.1330E-05	60	0- 15	0.2076E-05	90-105	0.1962E-05
75-85.41	0.1912E-02	-7.5 TO 7.5	0.3531E-06	82.5- 97.5	0.3125E-06	75	0- 15	0.7778E-06	90-105	0.7111E-06
0-15.00	0.7287E-03	-7.5 TO 22.5	0.5257E-05	82.5-112.5	0.5205E-05	0	0- 30	0.1069E-04	90-120	0.1069E-04
15-30.00	0.2137E-02	-7.5 TO 22.5	0.4789E-05	82.5-112.5	0.4682E-05	15	0- 30	0.1028E-04	90-120	0.1012E-04
30-45.00	0.3355E-02	-7.5 TO 22.5	0.3885E-05	82.5-112.5	0.3749E-05	30	0- 30	0.8862E-05	90-120	0.8585E-05
45-60.00	0.4429E-02	-7.5 TO 22.5	0.2699E-05	82.5-112.5	0.2572E-05	45	0- 30	0.6695E-05	90-120	0.6393E-05
60-75.00	0.5158E-02	-7.5 TO 22.5	0.1410E-05	82.5-112.5	0.1320E-05	60	0- 30	0.4145E-05	90-120	0.3898E-05
75-85.41	0.3824E-02	-7.5 TO 22.5	0.3524E-06	82.5-112.5	0.3074E-06	75	0- 30	0.1552E-05	90-120	0.1408E-05
0-15.00	0.1093E-02	-7.5 TO 37.5	0.5255E-05	82.5-127.5	0.5199E-05	0	0- 45	0.1604E-04	90-135	0.1604E-04
15-30.00	0.3205E-02	-7.5 TO 37.5	0.4785E-05	82.5-127.5	0.4670E-05	15	0- 45	0.1542E-04	90-135	0.1515E-04
30-45.00	0.5058E-02	-7.5 TO 37.5	0.3880E-05	82.5-127.5	0.3734E-05	30	0- 45	0.1327E-04	90-135	0.1284E-04
45-60.00	0.6644E-02	-7.5 TO 37.5	0.2695E-05	82.5-127.5	0.2558E-05	45	0- 45	0.1002E-04	90-135	0.9546E-05
60-75.00	0.7737E-02	-7.5 TO 37.5	0.1407E-05	82.5-127.5	0.1310E-05	60	0- 45	0.6200E-05	90-135	0.5812E-05
75-85.41	0.5737E-02	-7.5 TO 37.5	0.3508E-06	82.5-127.5	0.3027E-06	75	0- 45	0.2317E-05	90-135	0.2091E-05
0-15.00	0.1453E-02	-7.5 TO 52.5	0.5233E-05	82.5-142.5	0.5194E-05	0	0- 60	0.2139E-04	90-150	0.2139E-04
15-30.00	0.4273E-02	-7.5 TO 52.5	0.4779E-05	82.5-142.5	0.4659E-05	15	0- 60	0.2053E-04	90-150	0.2017E-04
30-45.00	0.6758E-02	-7.5 TO 52.5	0.3873E-05	82.5-142.5	0.3720E-05	30	0- 60	0.1766E-04	90-150	0.1707E-04
45-60.00	0.8859E-02	-7.5 TO 52.5	0.2688E-05	82.5-142.5	0.2545E-05	45	0- 60	0.1333E-04	90-150	0.1268E-04
60-75.00	0.1032E-01	-7.5 TO 52.5	0.1402E-05	82.5-142.5	0.1301E-05	60	0- 60	0.8237E-05	90-150	0.7707E-05
75-85.41	0.7649E-02	-7.5 TO 52.5	0.3484E-06	82.5-142.5	0.2983E-06	75	0- 60	0.3072E-05	90-150	0.2765E-05
0-15.00	0.1822E-02	-7.5 TO 67.5	0.5249E-05	82.5-157.5	0.5190E-05	0	0- 75	0.2674E-04	90-165	0.2674E-04
15-30.00	0.5341E-02	-7.5 TO 67.5	0.4772E-05	82.5-157.5	0.4650E-05	15	0- 75	0.2564E-04	90-165	0.2519E-04
30-45.00	0.8457E-02	-7.5 TO 67.5	0.3863E-05	82.5-157.5	0.3708E-05	30	0- 75	0.2203E-04	90-165	0.2129E-04
45-60.00	0.1107E-01	-7.5 TO 67.5	0.2679E-05	82.5-157.5	0.2534E-05	45	0- 75	0.1660E-04	90-165	0.1579E-04
60-75.00	0.1290E-01	-7.5 TO 67.5	0.1396E-05	82.5-157.5	0.1293E-05	60	0- 75	0.1025E-04	90-165	0.9590E-05
75-85.41	0.9561E-02	-7.5 TO 67.5	0.3452E-06	82.5-157.5	0.2945E-06	75	0- 75	0.3813E-05	90-165	0.3431E-05
0-15.00	0.2186E-02	-7.5 TO 82.5	0.5245E-05	82.5-172.5	0.5186E-05	0	0- 90	0.3208E-04	90-180	0.3208E-04
15-30.00	0.6410E-02	-7.5 TO 82.5	0.4769E-05	82.5-172.5	0.4642E-05	15	0- 90	0.3072E-04	90-180	0.3020E-04
30-45.00	0.1020E-01	-7.5 TO 82.5	0.3852E-05	82.5-172.5	0.3698E-05	30	0- 90	0.2637E-04	90-180	0.2549E-04
45-60.00	0.1329E-01	-7.5 TO 82.5	0.2669E-05	82.5-172.5	0.2525E-05	45	0- 90	0.1984E-04	90-180	0.1890E-04
60-75.00	0.1547E-01	-7.5 TO 82.5	0.1388E-05	82.5-172.5	0.1287E-05	60	0- 90	0.1224E-04	90-180	0.1147E-04
75-85.41	0.1147E-01	-7.5 TO 82.5	0.3414E-06	82.5-172.5	0.2914E-06	75	0- 90	0.4539E-05	90-180	0.4093E-05
0-15.00	0.2551E-02	-7.5 TO 97.5	0.5240E-05	82.5-187.5	0.5183E-05	0	0-105	0.3743E-04	90-195	0.3743E-04
15-30.00	0.7478E-02	-7.5 TO 97.5	0.4753E-05	82.5-187.5	0.4636E-05	15	0-105	0.3579E-04	90-195	0.3521E-04
30-45.00	0.1190E-01	-7.5 TO 97.5	0.3839E-05	82.5-187.5	0.3690E-05	30	0-105	0.3067E-04	90-195	0.2970E-04
45-60.00	0.1550E-01	-7.5 TO 97.5	0.2657E-05	82.5-187.5	0.2517E-05	45	0-105	0.2306E-04	90-195	0.2200E-04
60-75.00	0.1805E-01	-7.5 TO 97.5	0.1380E-05	82.5-187.5	0.1282E-05	60	0-105	0.1420E-04	90-195	0.1334E-04
75-85.41	0.1339E-01	-7.5 TO 97.5	0.3373E-06	82.5-187.5	0.2889E-06	75	0-105	0.5251E-05	90-195	0.4756E-05

r_2/r_1 = 0.20 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0480 $\cosh \mu_2$ = 24.7600 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 133.34

0-15.00	0.3644E-03	-7.5 TO 7.5	0.1049E-04	82.5- 97.5	0.1035E-04	0	0- 15	0.1062E-04	90-105	0.1062E-04
15-30.00	0.1066E-02	-7.5 TO 7.5	0.9616E-05	82.5- 97.5	0.9321E-05	15	0- 15	0.1029E-04	90-105	0.1005E-04
30-45.00	0.1655E-02	-7.5 TO 7.5	0.7851E-05	82.5- 97.5	0.7476E-05	30	0- 15	0.8928E-05	90-105	0.8536E-05
45-60.00	0.2215E-02	-7.5 TO 7.5	0.5489E-05	82.5- 97.5	0.5138E-05	45	0- 15	0.6789E-05	90-105	0.6363E-05
60-75.00	0.2579E-02	-7.5 TO 7.5	0.2889E-05	82.5- 97.5	0.2644E-05	60	0- 15	0.4231E-05	90-105	0.3884E-05
75-85.41	0.1912E-02	-7.5 TO 7.5	0.7419E-06	82.5- 97.5	0.6221E-06	75	0- 15	0.1606E-05	90-105	0.1407E-05
0-15.00	0.7287E-03	-7.5 TO 22.5	0.1049E-04	82.5-112.5	0.1033E-04	0	0- 30	0.2123E-04	90-120	0.2123E-04
15-30.00	0.2137E-02	-7.5 TO 22.5	0.9611E-05	82.5-112.5	0.9283E-05	15	0- 30	0.2056E-04	90-120	0.2005E-04
30-45.00	0.3355E-02	-7.5 TO 22.5	0.7844E-05	82.5-112.5	0.7428E-05	30	0- 30	0.1783E-04	90-120	0.1699E-04
45-60.00	0.4429E-02	-7.5 TO 22.5	0.5483E-05	82.5-112.5	0.5094E-05	45	0- 30	0.1355E-04	90-120	0.1263E-04
60-75.00	0.5158E-02	-7.5 TO 22.5	0.2885E-05	82.5-112.5	0.2613E-05	60	0- 30	0.8461E-05	90-120	0.7692E-05
75-85.41	0.3824E-02	-7.5 TO 22.5	0.7397E-06	82.5-112.5	0.6075E-06	75	0- 30	0.3199E-05	90-120	0.2771E-05
0-15.00	0.1093E-02	-7.5 TO 37.5	0.1048E-04	82.5-127.5	0.1031E-04	0	0- 45	0.3185E-04	90-135	0.3185E-04
15-30.00	0.3205E-02	-7.5 TO 37.5	0.9600E-05	82.5-127.5	0.9247E-05	15	0- 45	0.3081E-04	90-135	0.3000E-04
30-45.00	0.5058E-02	-7.5 TO 37.5	0.7829E-05	82.5-127.5	0.7383E-05	30	0- 45	0.2669E-04	90-135	0.2536E-04
45-60.00	0.6644E-02	-7.5 TO 37.5	0.5469E-05	82.5-127.5	0.5052E-05	45	0- 45	0.2027E-04	90-135	0.1882E-04
60-75.00	0.7737E-02	-7.5 TO 37.5	0.2875E-05	82.5-127.5	0.2584E-05	60	0- 45	0.1261E-04	90-135	0.1143E-04
75-85.41	0.5737E-02	-7.5 TO 37.5	0.7349E-06	82.5-127.5	0.5938E-06	75	0- 45	0.4769E-05	90-135	0.4098E-05
0-15.00	0.1457E-02	-7.5 TO 52.5	0.1047E-04	82.5-142.5	0.1029E-04	0	0- 60	0.4247E-04	90-150	0.4247E-04
15-30.00	0.4273E-02	-7.5 TO 52.5	0.9582E-05	82.5-142.5	0.9214E-05	15	0- 60	0.4102E-04	90-150	0.3992E-04
30-45.00	0.6758E-02	-7.5 TO 52.5	0.7807E-05	82.5-142.5	0.7341E-05	30	0- 60	0.3549E-04	90-150	0.3366E-04
45-60.00	0.8859E-02	-7.5 TO 52.5	0.5448E-05	82.5-142.5	0.5013E-05	45	0- 60	0.2691E-04	90-150	0.2493E-04
60-75.00	0.1032E-01	-7.5 TO 52.5	0.2860E-05	82.5-142.5	0.2557E-05	60	0- 60	0.1672E-04	90-150	0.1512E-04
75-85.41	0.7649E-02	-7.5 TO 52.5	0.7276E-06	82.5-142.5	0.5813E-06	75	0- 60	0.6305E-05	90-150	0.5395E-05
0-15.00	0.1822E-02	-7.5 TO 67.5	0.1046E-04	82.5-157.5	0.1028E-04	0	0- 75	0.5308E-04	90-165	0.5308E-04
15-30.00	0.5341E-02	-7.5 TO 67.5	0.9559E-05	82.5-157.5	0.9185E-05	15	0- 75	0.5118E-04	90-165	0.4980E-04
30-45.00	0.8457E-02	-7.5 TO 67.5	0.7778E-05	82.5-157.5	0.7304E-05	30	0- 75	0.4420E-04	90-165	0.4193E-04
45-60.00	0.1107E-01	-7.5 TO 67.5	0.5421E-05	82.5-157.5	0.4979E-05	45	0- 75	0.3346E-04	90-165	0.3100E-04
60-75.00	0.1290E-01	-7.5 TO 67.5	0.2841E-05	82.5-157.5	0.2534E-05	60	0- 75	0.2076E-04	90-165	0.1877E-04
75-85.41	0.9561E-02	-7.5 TO 67.5	0.7182E-06	82.5-157.5	0.5705E-06	75	0- 75	0.7801E-05	90-165	0.6670E-05
0-15.00	0.2186E-02	-7.5 TO 82.5	0.1045E-04	82.5-172.5	0.1027E-04	0	0- 90	0.6370E-04	90-180	0.6370E-04
15-30.00	0.6410E-02	-7.5 TO 82.5	0.9532E-05	82.5-172.5	0.9161E-05	15	0- 90	0.6128E-04	90-180	0.5968E-04
30-45.00	0.1020E-01	-7.5 TO 82.5	0.7744E-05	82.5-172.5	0.7274E-05	30	0- 90	0.5283E-04	90-180	0.5017E-04
45-60.00	0.1329E-01	-7.5 TO 82.5	0.5388E-05	82.5-172.5	0.4951E-05	45	0- 90	0.3992E-04	90-180	0.3704E-04
60-75.00	0.1547E-01	-7.5 TO 82.5	0.2819E-05	82.5-172.5	0.2515E-05	60	0- 90	0.2472E-04	90-180	0.2239E-04
75-85.41	0.1147E-01	-7.5 TO 82.5	0.7072E-06	82.5-172.5	0.5616E-06	75	0- 90	0.9252E-05	90-180	0.7935E-05
0-15.00	0.2551E-02	-7.5 TO 97.5	0.1043E-04	82.5-187.5	0.1026E-04	0	0-105	0.7432E-04	90-195	0.7432E-04
15-30.00	0.7478E-02	-7.5 TO 97.5	0.9502E-05	82.5-187.5	0.9142E-05	15	0-105	0.7133E-04	90-195	0.6955E-04
30-45.00	0.1190E-01	-7.5 TO 97.5	0.7706E-05	82.5-187.5	0.7250E-05	30	0-105	0.6136E-04	90-195	0.5841E-04
45-60.00	0.1550E-01	-7.5 TO 97.5	0.5353E-05	82.5-187.5	0.4929E-05	45	0-105	0.4629E-04	90-195	0.4309E-04
60-75.00	0.1805E-01	-7.5 TO 97.5	0.2794E-05	82.5-187.5	0.2500E-05	60	0-105	0.2861E-04	90-195	0.2602E-04
75-85.41	0.1339E-01	-7.5 TO 97.5	0.6950E-06	82.5-187.5	0.5547E-06	75	0-105	0.1066E-04	90-195	0.9200E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

r_2/r_1 = 0.20 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0480 $\cosh \mu_2$ = 24.7600 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 117.97

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3644E-03	-7.5 TO 7.5	0.1941E-04	82.5- 97.5	0.1892E-04	0	0- 15	0.1941E-04	90-105	0.1941E-04
15-30.00	0.1068E-02	-7.5 TO 7.5	0.1806E-04	82.5- 97.5	0.1705E-04	15	0- 15	0.1915E-04	90-105	0.1834E-04
30-45.00	0.1659E-02	-7.5 TO 7.5	0.1495E-04	82.5- 97.5	0.1368E-04	30	0- 15	0.1688E-04	90-105	0.1554E-04
45-60.00	0.2215E-02	-7.5 TO 7.5	0.1058E-04	82.5- 97.5	0.9408E-05	45	0- 15	0.1301E-04	90-105	0.1157E-04
60-75.00	0.2575E-02	-7.5 TO 7.5	0.5643E-05	82.5- 97.5	0.4846E-05	60	0- 15	0.8208E-05	90-105	0.7057E-05
75-85.41	0.1912E-02	-7.5 TO 7.5	0.1499E-05	82.5- 97.5	0.1144E-05	75	0- 15	0.3174E-05	90-105	0.2555E-05
0-15.00	0.7287E-03	-7.5 TO 22.5	0.1940E-04	82.5-112.5	0.1886E-04	0	0- 30	0.3882E-04	90-120	0.3882E-04
15-30.00	0.2137E-02	-7.5 TO 22.5	0.1804E-04	82.5-112.5	0.1692E-04	15	0- 30	0.3824E-04	90-120	0.3650E-04
30-45.00	0.3319E-02	-7.5 TO 22.5	0.1493E-04	82.5-112.5	0.1352E-04	30	0- 30	0.3368E-04	90-120	0.3079E-04
45-60.00	0.4429E-02	-7.5 TO 22.5	0.1056E-04	82.5-112.5	0.9260E-05	45	0- 30	0.2594E-04	90-120	0.2283E-04
60-75.00	0.5150E-02	-7.5 TO 22.5	0.5628E-05	82.5-112.5	0.4748E-05	60	0- 30	0.1634E-04	90-120	0.1387E-04
75-85.41	0.3824E-02	-7.5 TO 22.5	0.1493E-05	82.5-112.5	0.1103E-05	75	0- 30	0.6308E-05	90-120	0.4982E-05
0-15.00	0.1093E-02	-7.5 TO 37.5	0.1538E-04	82.5-127.5	0.1880E-04	0	0- 45	0.5823E-04	90-135	0.5823E-04
15-30.00	0.3205E-02	-7.5 TO 37.5	0.1800E-04	82.5-127.5	0.1680E-04	15	0- 45	0.5724E-04	90-135	0.5450E-04
30-45.00	0.5058E-02	-7.5 TO 37.5	0.1488E-04	82.5-127.5	0.1336E-04	30	0- 45	0.5033E-04	90-135	0.4578E-04
45-60.00	0.6644E-02	-7.5 TO 37.5	0.1052E-04	82.5-127.5	0.9121E-05	45	0- 45	0.3869E-04	90-135	0.3380E-04
60-75.00	0.7737E-02	-7.5 TO 37.5	0.5596E-05	82.5-127.5	0.4656E-05	60	0- 45	0.2434E-04	90-135	0.2046E-04
75-85.41	0.5737E-02	-7.5 TO 37.5	0.1478E-05	82.5-127.5	0.1065E-05	75	0- 45	0.9367E-05	90-135	0.7298E-05
0-15.00	0.1457E-02	-7.5 TO 52.5	0.1935E-04	82.5-142.5	0.1874E-04	0	0- 60	0.7765E-04	90-150	0.7765E-04
15-30.00	0.4273E-02	-7.5 TO 52.5	0.1794E-04	82.5-142.5	0.1668E-04	15	0- 60	0.7611E-04	90-150	0.7236E-04
30-45.00	0.6759E-02	-7.5 TO 52.5	0.1480E-04	82.5-142.5	0.1322E-04	30	0- 60	0.6675E-04	90-150	0.6055E-04
45-60.00	0.8859E-02	-7.5 TO 52.5	0.1045E-04	82.5-142.5	0.8993E-05	45	0- 60	0.5121E-04	90-150	0.4455E-04
60-75.00	0.1032E-01	-7.5 TO 52.5	0.5548E-05	82.5-142.5	0.4572E-05	60	0- 60	0.3215E-04	90-150	0.2687E-04
75-85.41	0.7645E-02	-7.5 TO 52.5	0.1436E-05	82.5-142.5	0.1030E-05	75	0- 60	0.1232E-04	90-150	0.9525E-05
0-15.00	0.1822E-02	-7.5 TO 67.5	0.1931E-04	82.5-157.5	0.1869E-04	0	0- 75	0.9706E-04	90-165	0.9706E-04
15-30.00	0.5341E-02	-7.5 TO 67.5	0.1786E-04	82.5-157.5	0.1659E-04	15	0- 75	0.9482E-04	90-165	0.9014E-04
30-45.00	0.8497E-02	-7.5 TO 67.5	0.1471E-04	82.5-157.5	0.1310E-04	30	0- 75	0.8290E-04	90-165	0.7517E-04
45-60.00	0.1107E-01	-7.5 TO 67.5	0.1039E-04	82.5-157.5	0.8882E-05	45	0- 75	0.6343E-04	90-165	0.5514E-04
60-75.00	0.1290E-01	-7.5 TO 67.5	0.5485E-05	82.5-157.5	0.4499E-05	60	0- 75	0.3972E-04	90-165	0.3317E-04
75-85.41	0.9561E-02	-7.5 TO 67.5	0.1428E-05	82.5-157.5	0.1001E-05	75	0- 75	0.1515E-04	90-165	0.1169E-04
0-15.00	0.2186E-02	-7.5 TO 82.5	0.1927E-04	82.5-172.5	0.1865E-04	0	0- 90	0.1165E-03	90-180	0.1165E-03
15-30.00	0.6410E-02	-7.5 TO 82.5	0.1777E-04	82.5-172.5	0.1650E-04	15	0- 90	0.1133E-03	90-180	0.1079E-03
30-45.00	0.1026E-01	-7.5 TO 82.5	0.1459E-04	82.5-172.5	0.1300E-04	30	0- 90	0.9875E-04	90-180	0.8971E-04
45-60.00	0.1329E-01	-7.5 TO 82.5	0.1025E-04	82.5-172.5	0.8789E-05	45	0- 90	0.7533E-04	90-180	0.6565E-04
60-75.00	0.1547E-01	-7.5 TO 82.5	0.5412E-05	82.5-172.5	0.4439E-05	60	0- 90	0.4704E-04	90-180	0.3939E-04
75-85.41	0.1147E-01	-7.5 TO 82.5	0.1395E-05	82.5-172.5	0.9766E-06	75	0- 90	0.1784E-04	90-180	0.1383E-04
0-15.00	0.2553E-02	-7.5 TO 97.5	0.1922E-04	82.5-187.5	0.1862E-04	0	0-105	0.1359E-03	90-195	0.1359E-03
15-30.00	0.7478E-02	-7.5 TO 97.5	0.1767E-04	82.5-187.5	0.1644E-04	15	0-105	0.1317E-03	90-195	0.1256E-03
30-45.00	0.1195CE-01	-7.5 TO 97.5	0.1446E-04	82.5-187.5	0.1292E-04	30	0-105	0.1143E-03	90-195	0.1043E-03
45-60.00	0.1550E-01	-7.5 TO 97.5	0.1014E-04	82.5-187.5	0.8718E-05	45	0-105	0.8690E-04	90-195	0.7615E-04
60-75.00	0.1805E-01	-7.5 TO 97.5	0.5331E-05	82.5-187.5	0.4392E-05	60	0-105	0.5410E-04	90-195	0.4562E-04
75-85.41	0.1339E-01	-7.5 TO 97.5	0.1359E-05	82.5-187.5	0.9579E-06	75	0-105	0.2039E-04	90-195	0.1596E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

r_2/r_1 = 0.20 d/r_1 = 10.000 cosh μ_1 = 5.0480 cosh μ_2 = 24.7600 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 87.69

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3644E-03	-7.5 TO 7.5	0.2074E-04	82.5- 97.5	0.2006E-04	0	0- 15	0.2058E-04	90-105	0.2058E-04
15-30.00	0.1068E-02	-7.5 TO 7.5	0.1949E-04	82.5- 97.5	0.1807E-04	15	0- 15	0.2054E-04	90-105	0.1941E-04
30-45.00	0.1659E-02	-7.5 TO 7.5	0.1629E-04	82.5- 97.5	0.1451E-04	30	0- 15	0.1831E-04	90-105	0.1643E-04
45-60.00	0.2215E-02	-7.5 TO 7.5	0.1162E-04	82.5- 97.5	0.9979E-05	45	0- 15	0.1423E-04	90-105	0.1222E-04
60-75.00	0.2575E-02	-7.5 TO 7.5	0.6227E-05	82.5- 97.5	0.5142E-05	60	0- 15	0.9036E-05	90-105	0.7450E-05
75-85.41	0.1912E-02	-7.5 TO 7.5	0.1667E-05	82.5- 97.5	0.1215E-05	75	0- 15	0.3514E-05	90-105	0.2697E-05
0-15.00	0.7287E-03	-7.5 TO 22.5	0.2073E-04	82.5-112.5	0.1997E-04	0	0- 30	0.4115E-04	90-120	0.4115E-04
15-30.00	0.2137E-02	-7.5 TO 22.5	0.1947E-04	82.5-112.5	0.1790E-04	15	0- 30	0.4101E-04	90-120	0.3857E-04
30-45.00	0.3359E-02	-7.5 TO 22.5	0.1626E-04	82.5-112.5	0.1429E-04	30	0- 30	0.3650E-04	90-120	0.3246E-04
45-60.00	0.4429E-02	-7.5 TO 22.5	0.1159E-04	82.5-112.5	0.9780E-05	45	0- 30	0.2834E-04	90-120	0.2402E-04
60-75.00	0.5158E-02	-7.5 TO 22.5	0.6208E-05	82.5-112.5	0.5013E-05	60	0- 30	0.1797E-04	90-120	0.1457E-04
75-85.41	0.3824E-02	-7.5 TO 22.5	0.1638E-05	82.5-112.5	0.1165E-05	75	0- 30	0.6974E-05	90-120	0.5233E-05
0-15.00	0.1093E-02	-7.5 TO 37.5	0.2070E-04	82.5-127.5	0.1989E-04	0	0- 45	0.6173E-04	90-135	0.6173E-04
15-30.00	0.3205E-02	-7.5 TO 37.5	0.1941E-04	82.5-127.5	0.1773E-04	15	0- 45	0.6135E-04	90-135	0.5752E-04
30-45.00	0.5056E-02	-7.5 TO 37.5	0.1619E-04	82.5-127.5	0.1408E-04	30	0- 45	0.5447E-04	90-135	0.4814E-04
45-60.00	0.6644E-02	-7.5 TO 37.5	0.1152E-04	82.5-127.5	0.9595E-05	45	0- 45	0.4221E-04	90-135	0.3545E-04
60-75.00	0.7723E-02	-7.5 TO 37.5	0.6184E-05	82.5-127.5	0.4894E-05	60	0- 45	0.2672E-04	90-135	0.2142E-04
75-85.41	0.5737E-02	-7.5 TO 37.5	0.1639E-05	82.5-127.5	0.1119E-05	75	0- 45	0.1038E-04	90-135	0.7633E-05
0-15.00	0.1457E-02	-7.5 TO 52.5	0.2066E-04	82.5-142.5	0.1981E-04	0	0- 60	0.8230E-04	90-150	0.8230E-04
15-30.00	0.4273E-02	-7.5 TO 52.5	0.1932E-04	82.5-142.5	0.1758E-04	15	0- 60	0.8149E-04	90-150	0.7629E-04
30-45.00	0.6758E-02	-7.5 TO 52.5	0.1608E-04	82.5-142.5	0.1389E-04	30	0- 60	0.7213E-04	90-150	0.6354E-04
45-60.00	0.8859E-02	-7.5 TO 52.5	0.1142E-04	82.5-142.5	0.9428E-05	45	0- 60	0.5575E-04	90-150	0.4659E-04
60-75.00	0.1032E-01	-7.5 TO 52.5	0.6097E-05	82.5-142.5	0.4788E-05	60	0- 60	0.3520E-04	90-150	0.2804E-04
75-85.41	0.7649E-02	-7.5 TO 52.5	0.1611E-05	82.5-142.5	0.1079E-05	75	0- 60	0.1355E-04	90-150	0.9926E-05
0-15.00	0.1822E-02	-7.5 TO 67.5	0.2061E-04	82.5-157.5	0.1974E-04	0	0- 75	0.1029E-03	90-165	0.1029E-03
15-30.00	0.5341E-02	-7.5 TO 67.5	0.1921E-04	82.5-157.5	0.1745E-04	15	0- 75	0.1014E-03	90-165	0.9493E-04
30-45.00	0.8457E-02	-7.5 TO 67.5	0.1594E-04	82.5-157.5	0.1373E-04	30	0- 75	0.8940E-04	90-165	0.7874E-04
45-60.00	0.1107E-01	-7.5 TO 67.5	0.1130E-04	82.5-157.5	0.9284E-05	45	0- 75	0.6887E-04	90-165	0.5753E-04
60-75.00	0.1290E-01	-7.5 TO 67.5	0.6012E-05	82.5-157.5	0.4696E-05	60	0- 75	0.4335E-04	90-165	0.3451E-04
75-85.41	0.9561E-02	-7.5 TO 67.5	0.1574E-05	82.5-157.5	0.1044E-05	75	0- 75	0.1661E-04	90-165	0.1215E-04
0-15.00	0.2186E-02	-7.5 TO 82.5	0.2054E-04	82.5-172.5	0.1969E-04	0	0- 90	0.1235E-03	90-180	0.1235E-03
15-30.00	0.6410E-02	-7.5 TO 82.5	0.1908E-04	82.5-172.5	0.1734E-04	15	0- 90	0.1211E-03	90-180	0.1135E-03
30-45.00	0.1026E-01	-7.5 TO 82.5	0.1578E-04	82.5-172.5	0.1360E-04	30	0- 90	0.1063E-03	90-180	0.9384E-04
45-60.00	0.1329E-01	-7.5 TO 82.5	0.1115E-04	82.5-172.5	0.9165E-05	45	0- 90	0.8154E-04	90-180	0.6836E-04
60-75.00	0.1547E-01	-7.5 TO 82.5	0.5912E-05	82.5-172.5	0.4621E-05	60	0- 90	0.5115E-04	90-180	0.4090E-04
75-85.41	0.1147E-01	-7.5 TO 82.5	0.1593E-05	82.5-172.5	0.1016E-05	75	0- 90	0.1948E-04	90-180	0.1433E-04
0-15.00	0.2551E-02	-7.5 TO 97.5	0.2047E-04	82.5-187.5	0.1965E-04	0	0-105	0.1440E-03	90-195	0.1440E-03
15-30.00	0.7478E-02	-7.5 TO 97.5	0.1894E-04	82.5-187.5	0.1725E-04	15	0-105	0.1405E-03	90-195	0.1321E-03
30-45.00	0.1150E-01	-7.5 TO 97.5	0.1560E-04	82.5-187.5	0.1349E-04	30	0-105	0.1227E-03	90-195	0.1089E-03
45-60.00	0.1550E-01	-7.5 TO 97.5	0.1098E-04	82.5-187.5	0.9074E-05	45	0-105	0.9376E-04	90-195	0.7919E-04
60-75.00	0.1805E-01	-7.5 TO 97.5	0.5802E-05	82.5-187.5	0.4563E-05	60	0-105	0.5860E-04	90-195	0.4729E-04
75-85.41	0.1339E-01	-7.5 TO 97.5	0.1487E-05	82.5-187.5	0.9942E-06	75	0-105	0.2218E-04	90-195	0.1652E-04

r_2/r_1 = 0.20 d/r_1 = 10.000 cosh μ_1 = 5.0480 cosh μ_2 = 24.7600 $\alpha_{2,max}$ = 94.59 $\theta_{2,min}$ = 83.11

0-15.00	0.3644E-03	-7.5 TO 7.5	0.2074E-04	82.5- 97.5	0.2006E-04	0	0- 15	0.2058E-04	90-105	0.2058E-04
15-30.00	0.1068E-02	-7.5 TO 7.5	0.1950E-04	82.5- 97.5	0.1807E-04	15	0- 15	0.2054E-04	90-105	0.1941E-04
30-45.00	0.1659E-02	-7.5 TO 7.5	0.1632E-04	82.5- 97.5	0.1451E-04	30	0- 15	0.1833E-04	90-105	0.1643E-04
45-60.00	0.2215E-02	-7.5 TO 7.5	0.1166E-04	82.5- 97.5	0.9979E-05	45	0- 15	0.1427E-04	90-105	0.1222E-04
60-75.00	0.2575E-02	-7.5 TO 7.5	0.6257E-05	82.5- 97.5	0.5142E-05	60	0- 15	0.9074E-05	90-105	0.7450E-05
75-85.41	0.1912E-02	-7.5 TO 7.5	0.1676E-05	82.5- 97.5	0.1215E-05	75	0- 15	0.3533E-05	90-105	0.2697E-05
0-15.00	0.7287E-03	-7.5 TO 22.5	0.2073E-04	82.5-112.5	0.1997E-04	0	0- 30	0.4115E-04	90-120	0.4115E-04
15-30.00	0.2137E-02	-7.5 TO 22.5	0.1947E-04	82.5-112.5	0.1790E-04	15	0- 30	0.4101E-04	90-120	0.3857E-04
30-45.00	0.3359E-02	-7.5 TO 22.5	0.1629E-04	82.5-112.5	0.1429E-04	30	0- 30	0.3653E-04	90-120	0.3246E-04
45-60.00	0.4429E-02	-7.5 TO 22.5	0.1163E-04	82.5-112.5	0.9780E-05	45	0- 30	0.2841E-04	90-120	0.2402E-04
60-75.00	0.5158E-02	-7.5 TO 22.5	0.6237E-05	82.5-112.5	0.5013E-05	60	0- 30	0.1804E-04	90-120	0.1457E-04
75-85.41	0.3824E-02	-7.5 TO 22.5	0.1667E-05	82.5-112.5	0.1165E-05	75	0- 30	0.7009E-05	90-120	0.5233E-05
0-15.00	0.1093E-02	-7.5 TO 37.5	0.2070E-04	82.5-127.5	0.1989E-04	0	0- 45	0.6173E-04	90-135	0.6173E-04
15-30.00	0.3205E-02	-7.5 TO 37.5	0.1942E-04	82.5-127.5	0.1773E-04	15	0- 45	0.6135E-04	90-135	0.5752E-04
30-45.00	0.5056E-02	-7.5 TO 37.5	0.1622E-04	82.5-127.5	0.1408E-04	30	0- 45	0.5451E-04	90-135	0.4814E-04
45-60.00	0.6644E-02	-7.5 TO 37.5	0.1156E-04	82.5-127.5	0.9595E-05	45	0- 45	0.4230E-04	90-135	0.3545E-04
60-75.00	0.7737E-02	-7.5 TO 37.5	0.6190E-05	82.5-127.5	0.4894E-05	60	0- 45	0.2681E-04	90-135	0.2142E-04
75-85.41	0.5737E-02	-7.5 TO 37.5	0.1647E-05	82.5-127.5	0.1119E-05	75	0- 45	0.1038E-04	90-135	0.7633E-05
0-15.00	0.1457E-02	-7.5 TO 52.5	0.2066E-04	82.5-142.5	0.1981E-04	0	0- 60	0.8230E-04	90-150	0.8230E-04
15-30.00	0.4273E-02	-7.5 TO 52.5	0.1933E-04	82.5-142.5	0.1758E-04	15	0- 60	0.8150E-04	90-150	0.7629E-04
30-45.00	0.6758E-02	-7.5 TO 52.5	0.1610E-04	82.5-142.5	0.1389E-04	30	0- 60	0.7217E-04	90-150	0.6354E-04
45-60.00	0.8859E-02	-7.5 TO 52.5	0.1145E-04	82.5-142.5	0.9428E-05	45	0- 60	0.5584E-04	90-150	0.4659E-04
60-75.00	0.1032E-01	-7.5 TO 52.5	0.6120E-05	82.5-142.5	0.4788E-05	60	0- 60	0.3530E-04	90-150	0.2804E-04
75-85.41	0.7649E-02	-7.5 TO 52.5	0.1618E-05	82.5-142.5	0.1079E-05	75	0- 60	0.1360E-04	90-150	0.9926E-05
0-15.00	0.1822E-02	-7.5 TO 67.5	0.2061E-04	82.5-157.5	0.1974E-04	0	0- 75	0.1029E-03	90-165	0.1029E-03
15-30.00	0.5341E-02	-7.5 TO 67.5	0.1922E-04	82.5-157.5	0.1745E-04	15	0- 75	0.1014E-03	90-165	0.9493E-04
30-45.00	0.8457E-02	-7.5 TO 67.5	0.1596E-04	82.5-157.5	0.1373E-04	30	0- 75	0.8944E-04	90-165	0.7874E-04
45-60.00	0.1107E-01	-7.5 TO 67.5	0.1132E-04	82.5-157.5	0.9284E-05	45	0- 75	0.6896E-04	90-165	0.5753E-04
60-75.00	0.1290E-01	-7.5 TO 67.5	0.6031E-05	82.5-157.5	0.4696E-05	60	0- 75	0.4345E-04	90-165	0.3451E-04
75-85.41	0.9561E-02	-7.5 TO 67.5	0.1580E-05	82.5-157.5	0.1044E-05	75	0- 75	0.1666E-04	90-165	0.1215E-04
0-15.00	0.2186E-02	-7.5 TO 82.5	0.2054E-04	82.5-172.5	0.1969E-04	0	0- 90	0.1235E-03	90-180	0.1235E-03
15-30.00	0.6410E-02	-7.5 TO 82.5	0.1909E-04	82.5-172.5	0.1734E-04	15	0- 90	0.1211E-03	90-180	0.1135E-03
30-45.00	0.1026E-01	-7.5 TO 82.5	0.1579E-04	82.5-172.5	0.1360E-04	30	0- 90	0.1063E-03	90-180	0.9384E-04
45-60.00	0.1329E-01	-7.5 TO 82.5	0.1117E-04	82.5-172.5	0.9165E-05	45	0- 90	0.8164E-04	90-180	0.6836E-04
60-75.00	0.1547E-01	-7.5 TO 82.5	0.5928E-05	82.5-172.5	0.4621E-05	60	0- 90	0.5125E-04	90-180	0.4090E-04
75-85.41	0.1147E-01	-7.5 TO 82.5	0.1538E-05	82.5-172.5	0.1016E-05	75	0- 90	0.1959E-04	90-180	0.1433E-04
0-15.00	0.2551E-02	-7.5 TO 97.5	0.2047E-04	82.5-187.5	0.1965E-04	0	0-105	0.1440E-03	90-195	0.1440E-03
15-30.00	0.7478E-02	-7.5 TO 97.5	0.1894E-04	82.5-187.5	0.1725E-04	15	0-105	0.1405E-03	90-195	0.1321E-03
30-45.00	0.1150E-01	-7.5 TO 97.5	0.1561E-04	82.5-187.5	0.1349E-04	30	0-105	0.1227E-03	90-195	0.1089E-03
45-60.00	0.1550E-01	-7.5 TO 97.5	0.1100E-04	82.5-187.5	0.9074E-05	45	0-105	0.9386E-04	90-195	0.7919E-04
60-75.00	0.1805E-01	-7.5 TO 97.5	0.5815E-05	82.5-187.5	0.4563E-05	60	0-105	0.5870E-04	90-195	0.4729E-04
75-85.41	0.1339E-01	-7.5 TO 97.5	0.1492E-05	82.5-187.5	0.9942E-06	75	0-105	0.2223E-04	90-195	0.1652E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

r_2/r_1 = 0.20 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0240 $\cosh \mu_2$ = 49.8800 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 164.70

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8567E-04	-7.5 TO 7.5	0.3097E-06	82.5- 97.5	0.3091E-06	0	0- 15	0.3157E-06	90-105	0.3157E-06
15-30.00	0.2629E-03	-7.5 TO 7.5	0.2850E-06	82.5- 97.5	0.2837E-06	15	0- 15	0.3035E-06	90-105	0.3024E-06
30-45.00	0.4182E-03	-7.5 TO 7.5	0.2379E-06	82.5- 97.5	0.2362E-06	30	0- 15	0.2666E-06	90-105	0.2648E-06
45-60.00	0.5450E-03	-7.5 TO 7.5	0.1740E-06	82.5- 97.5	0.1723E-06	45	0- 15	0.2096E-06	90-105	0.2076E-06
60-75.00	0.6347E-03	-7.5 TO 7.5	0.1003E-06	82.5- 97.5	0.9899E-07	60	0- 15	0.1391E-06	90-105	0.1374E-06
75-87.71	0.5756E-03	-7.5 TO 7.5	0.2981E-07	82.5- 97.5	0.2909E-07	75	0- 15	0.6242E-07	90-105	0.6123E-07
0-15.00	0.1759E-03	-7.5 TO 22.5	0.3097E-06	82.5-112.5	0.3090E-06	0	0- 30	0.6313E-06	90-120	0.6313E-06
15-30.00	0.5258E-03	-7.5 TO 22.5	0.2850E-06	82.5-112.5	0.2833E-06	15	0- 30	0.6069E-06	90-120	0.6047E-06
30-45.00	0.8364E-03	-7.5 TO 22.5	0.2379E-06	82.5-112.5	0.2360E-06	30	0- 30	0.5331E-06	90-120	0.5293E-06
45-60.00	0.1090E-02	-7.5 TO 22.5	0.1740E-06	82.5-112.5	0.1721E-06	45	0- 30	0.4191E-06	90-120	0.4147E-06
60-75.00	0.1269E-02	-7.5 TO 22.5	0.1003E-06	82.5-112.5	0.9882E-07	60	0- 30	0.2782E-06	90-120	0.2743E-06
75-87.71	0.1152E-02	-7.5 TO 22.5	0.2980E-07	82.5-112.5	0.2899E-07	75	0- 30	0.1248E-06	90-120	0.1222E-06
0-15.00	0.2650E-03	-7.5 TO 37.5	0.3097E-06	82.5-127.5	0.3089E-06	0	0- 45	0.9470E-06	90-135	0.9470E-06
15-30.00	0.7887E-03	-7.5 TO 37.5	0.2849E-06	82.5-127.5	0.2834E-06	15	0- 45	0.9101E-06	90-135	0.9067E-06
30-45.00	0.1255E-02	-7.5 TO 37.5	0.2378E-06	82.5-127.5	0.2357E-06	30	0- 45	0.7993E-06	90-135	0.7933E-06
45-60.00	0.1635E-02	-7.5 TO 37.5	0.1739E-06	82.5-127.5	0.1719E-06	45	0- 45	0.6283E-06	90-135	0.6215E-06
60-75.00	0.1904E-02	-7.5 TO 37.5	0.1002E-06	82.5-127.5	0.9865E-07	60	0- 45	0.4170E-06	90-135	0.4109E-06
75-87.71	0.1728E-02	-7.5 TO 37.5	0.2977E-07	82.5-127.5	0.2890E-07	75	0- 45	0.1870E-06	90-135	0.1829E-06
0-15.00	0.3567E-03	-7.5 TO 52.5	0.3096E-06	82.5-142.5	0.3089E-06	0	0- 60	0.1263E-05	90-150	0.1263E-05
15-30.00	0.1052E-02	-7.5 TO 52.5	0.2848E-06	82.5-142.5	0.2832E-06	15	0- 60	0.1213E-05	90-150	0.1209E-05
30-45.00	0.1673E-02	-7.5 TO 52.5	0.2377E-06	82.5-142.5	0.2355E-06	30	0- 60	0.1065E-05	90-150	0.1057E-05
45-60.00	0.2180E-02	-7.5 TO 52.5	0.1738E-06	82.5-142.5	0.1717E-06	45	0- 60	0.8373E-06	90-150	0.8279E-06
60-75.00	0.2539E-02	-7.5 TO 52.5	0.1002E-06	82.5-142.5	0.9850E-07	60	0- 60	0.5555E-06	90-150	0.5472E-06
75-87.71	0.2303E-02	-7.5 TO 52.5	0.2972E-07	82.5-142.5	0.2882E-07	75	0- 60	0.2490E-06	90-150	0.2435E-06
0-15.00	0.4464E-03	-7.5 TO 67.5	0.3096E-06	82.5-157.5	0.3088E-06	0	0- 75	0.1578E-05	90-165	0.1578E-05
15-30.00	0.1315E-02	-7.5 TO 67.5	0.2847E-06	82.5-157.5	0.2831E-06	15	0- 75	0.1516E-05	90-165	0.1510E-05
30-45.00	0.2091E-02	-7.5 TO 67.5	0.2376E-06	82.5-157.5	0.2354E-06	30	0- 75	0.1331E-05	90-165	0.1321E-05
45-60.00	0.2725E-02	-7.5 TO 67.5	0.1737E-06	82.5-157.5	0.1715E-06	45	0- 75	0.1046E-05	90-165	0.1034E-05
60-75.00	0.3174E-02	-7.5 TO 67.5	0.1001E-06	82.5-157.5	0.9837E-07	60	0- 75	0.6937E-06	90-165	0.6833E-06
75-87.71	0.2879E-02	-7.5 TO 67.5	0.2967E-07	82.5-157.5	0.2875E-07	75	0- 75	0.3108E-06	90-165	0.3039E-06
0-15.00	0.5356E-03	-7.5 TO 82.5	0.3095E-06	82.5-172.5	0.3088E-06	0	0- 90	0.1894E-05	90-180	0.1894E-05
15-30.00	0.1577E-02	-7.5 TO 82.5	0.2846E-06	82.5-172.5	0.2830E-06	15	0- 90	0.1819E-05	90-180	0.1812E-05
30-45.00	0.2509E-02	-7.5 TO 82.5	0.2374E-06	82.5-172.5	0.2352E-06	30	0- 90	0.1596E-05	90-180	0.1584E-05
45-60.00	0.3270E-02	-7.5 TO 82.5	0.1735E-06	82.5-172.5	0.1714E-06	45	0- 90	0.1254E-05	90-180	0.1240E-05
60-75.00	0.3806E-02	-7.5 TO 82.5	0.9994E-07	82.5-172.5	0.9826E-07	60	0- 90	0.8315E-06	90-180	0.8193E-06
75-87.71	0.3459E-02	-7.5 TO 82.5	0.2960E-07	82.5-172.5	0.2869E-07	75	0- 90	0.3723E-06	90-180	0.3642E-06
0-15.00	0.6277E-03	-7.5 TO 97.5	0.3095E-06	82.5-187.5	0.3087E-06	0	0-105	0.2210E-05	90-195	0.2210E-05
15-30.00	0.1846E-02	-7.5 TO 97.5	0.2845E-06	82.5-187.5	0.2829E-06	15	0-105	0.2121E-05	90-195	0.2114E-05
30-45.00	0.2932E-02	-7.5 TO 97.5	0.2372E-06	82.5-187.5	0.2351E-06	30	0-105	0.1861E-05	90-195	0.1848E-05
45-60.00	0.3815E-02	-7.5 TO 97.5	0.1734E-06	82.5-187.5	0.1713E-06	45	0-105	0.1461E-05	90-195	0.1446E-05
60-75.00	0.4443E-02	-7.5 TO 97.5	0.9981E-07	82.5-187.5	0.9817E-07	60	0-105	0.9689E-06	90-195	0.9553E-06
75-87.71	0.4031E-02	-7.5 TO 97.5	0.2953E-07	82.5-187.5	0.2865E-07	75	0-105	0.4335E-06	90-195	0.4246E-06

r_2/r_1 = 0.20 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0240 $\cosh \mu_2$ = 49.8800 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 149.42

0-15.00	0.8567E-04	-7.5 TO 7.5	0.1156E-05	82.5- 97.5	0.1151E-05	0	0- 15	0.1176E-05	90-105	0.1176E-05
15-30.00	0.2629E-03	-7.5 TO 7.5	0.1066E-05	82.5- 97.5	0.1057E-05	15	0- 15	0.1134E-05	90-105	0.1126E-05
30-45.00	0.4182E-03	-7.5 TO 7.5	0.8926E-06	82.5- 97.5	0.8796E-06	30	0- 15	0.9988E-06	90-105	0.9855E-06
45-60.00	0.5450E-03	-7.5 TO 7.5	0.6547E-06	82.5- 97.5	0.6417E-06	45	0- 15	0.7875E-06	90-105	0.7722E-06
60-75.00	0.6347E-03	-7.5 TO 7.5	0.3787E-06	82.5- 97.5	0.3687E-06	60	0- 15	0.5243E-06	90-105	0.5108E-06
75-87.71	0.5756E-03	-7.5 TO 7.5	0.1137E-06	82.5- 97.5	0.1084E-06	75	0- 15	0.2364E-06	90-105	0.2276E-06
0-15.00	0.1759E-03	-7.5 TO 22.5	0.1156E-05	82.5-112.5	0.1150E-05	0	0- 30	0.2351E-05	90-120	0.2351E-05
15-30.00	0.5258E-03	-7.5 TO 22.5	0.1066E-05	82.5-112.5	0.1055E-05	15	0- 30	0.2267E-05	90-120	0.2250E-05
30-45.00	0.8364E-03	-7.5 TO 22.5	0.8924E-06	82.5-112.5	0.8779E-06	30	0- 30	0.1997E-05	90-120	0.1968E-05
45-60.00	0.1090E-02	-7.5 TO 22.5	0.6545E-06	82.5-112.5	0.6400E-06	45	0- 30	0.1574E-05	90-120	0.1541E-05
60-75.00	0.1269E-02	-7.5 TO 22.5	0.3785E-06	82.5-112.5	0.3674E-06	60	0- 30	0.1048E-05	90-120	0.1019E-05
75-87.71	0.1152E-02	-7.5 TO 22.5	0.1136E-06	82.5-112.5	0.1077E-06	75	0- 30	0.4723E-06	90-120	0.4532E-06
0-15.00	0.2650E-03	-7.5 TO 37.5	0.1155E-05	82.5-127.5	0.1150E-05	0	0- 45	0.3527E-05	90-135	0.3527E-05
15-30.00	0.7887E-03	-7.5 TO 37.5	0.1066E-05	82.5-127.5	0.1054E-05	15	0- 45	0.3399E-05	90-135	0.3373E-05
30-45.00	0.1255E-02	-7.5 TO 37.5	0.8919E-06	82.5-127.5	0.8763E-06	30	0- 45	0.2993E-05	90-135	0.2948E-05
45-60.00	0.1635E-02	-7.5 TO 37.5	0.6540E-06	82.5-127.5	0.6385E-06	45	0- 45	0.2359E-05	90-135	0.2307E-05
60-75.00	0.1904E-02	-7.5 TO 37.5	0.3781E-06	82.5-127.5	0.3662E-06	60	0- 45	0.1570E-05	90-135	0.1524E-05
75-87.71	0.1728E-02	-7.5 TO 37.5	0.1134E-06	82.5-127.5	0.1070E-06	75	0- 45	0.7071E-06	90-135	0.6771E-06
0-15.00	0.3567E-03	-7.5 TO 52.5	0.1155E-05	82.5-142.5	0.1149E-05	0	0- 60	0.4702E-05	90-150	0.4702E-05
15-30.00	0.1052E-02	-7.5 TO 52.5	0.1065E-05	82.5-142.5	0.1053E-05	15	0- 60	0.4530E-05	90-150	0.4494E-05
30-45.00	0.1673E-02	-7.5 TO 52.5	0.8911E-06	82.5-142.5	0.8748E-06	30	0- 60	0.3987E-05	90-150	0.3925E-05
45-60.00	0.2180E-02	-7.5 TO 52.5	0.6532E-06	82.5-142.5	0.6370E-06	45	0- 60	0.3141E-05	90-150	0.3070E-05
60-75.00	0.2539E-02	-7.5 TO 52.5	0.3776E-06	82.5-142.5	0.3651E-06	60	0- 60	0.2089E-05	90-150	0.2027E-05
75-87.71	0.2303E-02	-7.5 TO 52.5	0.1131E-06	82.5-142.5	0.1064E-06	75	0- 60	0.9404E-06	90-150	0.8996E-06
0-15.00	0.4464E-03	-7.5 TO 67.5	0.1155E-05	82.5-157.5	0.1149E-05	0	0- 75	0.5878E-05	90-165	0.5878E-05
15-30.00	0.1315E-02	-7.5 TO 67.5	0.1064E-05	82.5-157.5	0.1052E-05	15	0- 75	0.5659E-05	90-165	0.5614E-05
30-45.00	0.2091E-02	-7.5 TO 67.5	0.8901E-06	82.5-157.5	0.8735E-06	30	0- 75	0.4979E-05	90-165	0.4902E-05
45-60.00	0.2725E-02	-7.5 TO 67.5	0.6522E-06	82.5-157.5	0.6357E-06	45	0- 75	0.3920E-05	90-165	0.3832E-05
60-75.00	0.3174E-02	-7.5 TO 67.5	0.3768E-06	82.5-157.5	0.3641E-06	60	0- 75	0.2606E-05	90-165	0.2528E-05
75-87.71	0.2879E-02	-7.5 TO 67.5	0.1127E-06	82.5-157.5	0.1059E-06	75	0- 75	0.1172E-05	90-165	0.1121E-05
0-15.00	0.5356E-03	-7.5 TO 82.5	0.1154E-05	82.5-172.5	0.1149E-05	0	0- 90	0.7053E-05	90-180	0.7053E-05
15-30.00	0.1577E-02	-7.5 TO 82.5	0.1064E-05	82.5-172.5	0.1051E-05	15	0- 90	0.6787E-05	90-180	0.6734E-05
30-45.00	0.2509E-02	-7.5 TO 82.5	0.8889E-06	82.5-172.5	0.8725E-06	30	0- 90	0.5967E-05	90-180	0.5877E-05
45-60.00	0.3270E-02	-7.5 TO 82.5	0.6510E-06	82.5-172.5	0.6346E-06	45	0- 90	0.4696E-05	90-180	0.4592E-05
60-75.00	0.3806E-02	-7.5 TO 82.5	0.3759E-06	82.5-172.5	0.3632E-06	60	0- 90	0.3120E-05	90-180	0.3029E-05
75-87.71	0.3459E-02	-7.5 TO 82.5	0.1122E-06	82.5-172.5	0.1055E-06	75	0- 90	0.1402E-05	90-180	0.1342E-05
0-15.00	0.6277E-03	-7.5 TO 97.5	0.1154E-05	82.5-187.5	0.1148E-05	0	0-105	0.8229E-05	90-195	0.8229E-05
15-30.00	0.1846E-02	-7.5 TO 97.5	0.1063E-05	82.5-187.5	0.1050E-05	15	0-105	0.7913E-05	90-195	0.7854E-05
30-45.00	0.2932E-02	-7.5 TO 97.5	0.8876E-06	82.5-187.5	0.8716E-06	30	0-105	0.6953E-05	90-195	0.6852E-05
45-60.00	0.3815E-02	-7.5 TO 97.5	0.6497E-06	82.5-187.5	0.6338E-06	45	0-105	0.5468E-05	90-195	0.5353E-05
60-75.00	0.4443E-02	-7.5 TO 97.5	0.3748E-06	82.5-187.5	0.3626E-06	60	0-105	0.3631E-05	90-195	0.3529E-05
75-87.71	0.4031E-02	-7.5 TO 97.5	0.1116E-06	82.5-187.5	0.1051E-06	75	0-105	0.1629E-05	90-195	0.1563E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

r_2/r_1 = 0.20 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0240 $\cosh \mu_2$ = 49.8800 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 134.18

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8968E-04	-7.5 TO 7.5	0.2309E-05	82.5- 97.5	0.2294E-05	0	0- 15	0.2343E-05	90-105	0.2343E-05
15-30.00	0.2629E-03	-7.5 TO 7.5	0.2136E-05	82.5- 97.5	0.2104E-05	15	0- 15	0.2267E-05	90-105	0.2243E-05
30-45.00	0.4182E-03	-7.5 TO 7.5	0.1793E-05	82.5- 97.5	0.1753E-05	30	0- 15	0.2004E-05	90-105	0.1963E-05
45-60.00	0.5455E-03	-7.5 TO 7.5	0.1319E-05	82.5- 97.5	0.1279E-05	45	0- 15	0.1584E-05	90-105	0.1537E-05
60-75.00	0.6347E-03	-7.5 TO 7.5	0.7654E-06	82.5- 97.5	0.7350E-06	60	0- 15	0.1058E-05	90-105	0.1017E-05
75-87.71	0.6759E-03	-7.5 TO 7.5	0.2519E-06	82.5- 97.5	0.2161E-06	75	0- 15	0.4792E-06	90-105	0.4527E-06
0-15.00	0.1759E-03	-7.5 TO 22.5	0.2308E-05	82.5-112.5	0.2293E-05	0	0- 30	0.4686E-05	90-120	0.4686E-05
15-30.00	0.5258E-03	-7.5 TO 22.5	0.2136E-05	82.5-112.5	0.2102E-05	15	0- 30	0.4532E-05	90-120	0.4481E-05
30-45.00	0.8364E-03	-7.5 TO 22.5	0.1793E-05	82.5-112.5	0.1748E-05	30	0- 30	0.4005E-05	90-120	0.3916E-05
45-60.00	0.1091E-02	-7.5 TO 22.5	0.1318E-05	82.5-112.5	0.1274E-05	45	0- 30	0.3166E-05	90-120	0.3064E-05
60-75.00	0.1269E-02	-7.5 TO 22.5	0.7649E-06	82.5-112.5	0.7311E-06	60	0- 30	0.2113E-05	90-120	0.2024E-05
75-87.71	0.1352E-02	-7.5 TO 22.5	0.2516E-06	82.5-112.5	0.2141E-06	75	0- 30	0.9568E-06	90-120	0.8997E-06
0-15.00	0.2639E-03	-7.5 TO 37.5	0.2308E-05	82.5-127.5	0.2291E-05	0	0- 45	0.7029E-05	90-135	0.7029E-05
15-30.00	0.7887E-03	-7.5 TO 37.5	0.2134E-05	82.5-127.5	0.2098E-05	15	0- 45	0.6795E-05	90-135	0.6714E-05
30-45.00	0.1255E-02	-7.5 TO 37.5	0.1791E-05	82.5-127.5	0.1743E-05	30	0- 45	0.6001E-05	90-135	0.5862E-05
45-60.00	0.1635E-02	-7.5 TO 37.5	0.1317E-05	82.5-127.5	0.1269E-05	45	0- 45	0.4742E-05	90-135	0.4582E-05
60-75.00	0.1904E-02	-7.5 TO 37.5	0.7637E-06	82.5-127.5	0.7275E-06	60	0- 45	0.3163E-05	90-135	0.3024E-05
75-87.71	0.1728E-02	-7.5 TO 37.5	0.2310E-06	82.5-127.5	0.2122E-06	75	0- 45	0.1431E-05	90-135	0.1341E-05
0-15.00	0.3587E-03	-7.5 TO 52.5	0.2307E-05	82.5-142.5	0.2289E-05	0	0- 60	0.9372E-05	90-150	0.9372E-05
15-30.00	0.1052E-02	-7.5 TO 52.5	0.2133E-05	82.5-142.5	0.2095E-05	15	0- 60	0.9054E-05	90-150	0.8943E-05
30-45.00	0.1673E-02	-7.5 TO 52.5	0.1789E-05	82.5-142.5	0.1739E-05	30	0- 60	0.7990E-05	90-150	0.7800E-05
45-60.00	0.2180E-02	-7.5 TO 52.5	0.1314E-05	82.5-142.5	0.1265E-05	45	0- 60	0.6310E-05	90-150	0.6092E-05
60-75.00	0.2539E-02	-7.5 TO 52.5	0.7619E-06	82.5-142.5	0.7241E-06	60	0- 60	0.4207E-05	90-150	0.4016E-05
75-87.71	0.2303E-02	-7.5 TO 52.5	0.2300E-06	82.5-142.5	0.2105E-06	75	0- 60	0.1901E-05	90-150	0.1779E-05
0-15.00	0.4484E-03	-7.5 TO 67.5	0.2306E-05	82.5-157.5	0.2288E-05	0	0- 75	0.1172E-04	90-165	0.1172E-04
15-30.00	0.1315E-02	-7.5 TO 67.5	0.2130E-05	82.5-157.5	0.2092E-05	15	0- 75	0.1131E-04	90-165	0.1117E-04
30-45.00	0.2091E-02	-7.5 TO 67.5	0.1786E-05	82.5-157.5	0.1735E-05	30	0- 75	0.9972E-05	90-165	0.9734E-05
45-60.00	0.2725E-02	-7.5 TO 67.5	0.1311E-05	82.5-157.5	0.1261E-05	45	0- 75	0.7869E-05	90-165	0.7597E-05
60-75.00	0.3174E-02	-7.5 TO 67.5	0.7595E-06	82.5-157.5	0.7211E-06	60	0- 75	0.5242E-05	90-165	0.5005E-05
75-87.71	0.2879E-02	-7.5 TO 67.5	0.2288E-06	82.5-157.5	0.2089E-06	75	0- 75	0.2366E-05	90-165	0.2214E-05
0-15.00	0.5381E-03	-7.5 TO 82.5	0.2305E-05	82.5-172.5	0.2286E-05	0	0- 90	0.1406E-04	90-180	0.1406E-04
15-30.00	0.1577E-02	-7.5 TO 82.5	0.2128E-05	82.5-172.5	0.2089E-05	15	0- 90	0.1356E-04	90-180	0.1339E-04
30-45.00	0.2509E-02	-7.5 TO 82.5	0.1782E-05	82.5-172.5	0.1731E-05	30	0- 90	0.1194E-04	90-180	0.1167E-04
45-60.00	0.3270E-02	-7.5 TO 82.5	0.1308E-05	82.5-172.5	0.1258E-05	45	0- 90	0.9417E-05	90-180	0.9099E-05
60-75.00	0.3807E-02	-7.5 TO 82.5	0.7568E-06	82.5-172.5	0.7186E-06	60	0- 90	0.6268E-05	90-180	0.5990E-05
75-87.71	0.3455E-02	-7.5 TO 82.5	0.2274E-06	82.5-172.5	0.2077E-06	75	0- 90	0.2825E-05	90-180	0.2647E-05
0-15.00	0.6277E-03	-7.5 TO 97.5	0.2303E-05	82.5-187.5	0.2286E-05	0	0-105	0.1640E-04	90-195	0.1640E-04
15-30.00	0.1840E-02	-7.5 TO 97.5	0.2124E-05	82.5-187.5	0.2087E-05	15	0-105	0.1580E-04	90-195	0.1562E-04
30-45.00	0.2926E-02	-7.5 TO 97.5	0.1778E-05	82.5-187.5	0.1729E-05	30	0-105	0.1391E-04	90-195	0.1360E-04
45-60.00	0.3815E-02	-7.5 TO 97.5	0.1304E-05	82.5-187.5	0.1255E-05	45	0-105	0.1095E-04	90-195	0.1060E-04
60-75.00	0.4443E-02	-7.5 TO 97.5	0.7536E-06	82.5-187.5	0.7167E-06	60	0-105	0.7285E-05	90-195	0.6976E-05
75-87.71	0.4031E-02	-7.5 TO 97.5	0.2258E-06	82.5-187.5	0.2067E-06	75	0-105	0.3278E-05	90-195	0.3080E-05

r_2/r_1 = 0.20 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0240 $\cosh \mu_2$ = 49.8800 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 119.00

0-15.00	0.8968E-04	-7.5 TO 7.5	0.3456E-05	82.5- 97.5	0.3426E-05	0	0- 15	0.3499E-05	90-105	0.3499E-05
15-30.00	0.2629E-03	-7.5 TO 7.5	0.3208E-05	82.5- 97.5	0.3145E-05	15	0- 15	0.3398E-05	90-105	0.3348E-05
30-45.00	0.4182E-03	-7.5 TO 7.5	0.2702E-05	82.5- 97.5	0.2619E-05	30	0- 15	0.3014E-05	90-105	0.2928E-05
45-60.00	0.5455E-03	-7.5 TO 7.5	0.1993E-05	82.5- 97.5	0.1911E-05	45	0- 15	0.2390E-05	90-105	0.2293E-05
60-75.00	0.6347E-03	-7.5 TO 7.5	0.1160E-05	82.5- 97.5	0.1098E-05	60	0- 15	0.1600E-05	90-105	0.1516E-05
75-87.71	0.6759E-03	-7.5 TO 7.5	0.3540E-06	82.5- 97.5	0.3229E-06	75	0- 15	0.7280E-06	90-105	0.6748E-06
0-15.00	0.1759E-03	-7.5 TO 22.5	0.3466E-05	82.5-112.5	0.3423E-05	0	0- 30	0.6998E-05	90-120	0.6998E-05
15-30.00	0.5258E-03	-7.5 TO 22.5	0.3207E-05	82.5-112.5	0.3137E-05	15	0- 30	0.6793E-05	90-120	0.6685E-05
30-45.00	0.8364E-03	-7.5 TO 22.5	0.2700E-05	82.5-112.5	0.2608E-05	30	0- 30	0.6022E-05	90-120	0.5838E-05
45-60.00	0.1091E-02	-7.5 TO 22.5	0.1992E-05	82.5-112.5	0.1900E-05	45	0- 30	0.4775E-05	90-120	0.4565E-05
60-75.00	0.1269E-02	-7.5 TO 22.5	0.1159E-05	82.5-112.5	0.1090E-05	60	0- 30	0.3196E-05	90-120	0.3013E-05
75-87.71	0.1352E-02	-7.5 TO 22.5	0.3534E-06	82.5-112.5	0.3190E-06	75	0- 30	0.1453E-05	90-120	0.1338E-05
0-15.00	0.2639E-03	-7.5 TO 37.5	0.3455E-05	82.5-127.5	0.3419E-05	0	0- 45	0.1050E-04	90-135	0.1050E-04
15-30.00	0.7887E-03	-7.5 TO 37.5	0.3205E-05	82.5-127.5	0.3129E-05	15	0- 45	0.1018E-04	90-135	0.1001E-04
30-45.00	0.1255E-02	-7.5 TO 37.5	0.2697E-05	82.5-127.5	0.2598E-05	30	0- 45	0.9021E-05	90-135	0.8730E-05
45-60.00	0.1635E-02	-7.5 TO 37.5	0.1988E-05	82.5-127.5	0.1890E-05	45	0- 45	0.7148E-05	90-135	0.6817E-05
60-75.00	0.1904E-02	-7.5 TO 37.5	0.1156E-05	82.5-127.5	0.1083E-05	60	0- 45	0.4781E-05	90-135	0.4494E-05
75-87.71	0.1728E-02	-7.5 TO 37.5	0.3522E-06	82.5-127.5	0.3153E-06	75	0- 45	0.2171E-05	90-135	0.1991E-05
0-15.00	0.3587E-03	-7.5 TO 52.5	0.3453E-05	82.5-142.5	0.3415E-05	0	0- 60	0.1400E-04	90-150	0.1400E-04
15-30.00	0.1052E-02	-7.5 TO 52.5	0.3201E-05	82.5-142.5	0.3122E-05	15	0- 60	0.1356E-04	90-150	0.1333E-04
30-45.00	0.1673E-02	-7.5 TO 52.5	0.2692E-05	82.5-142.5	0.2588E-05	30	0- 60	0.1201E-04	90-150	0.1161E-04
45-60.00	0.2180E-02	-7.5 TO 52.5	0.1983E-05	82.5-142.5	0.1881E-05	45	0- 60	0.9505E-05	90-150	0.9053E-05
60-75.00	0.2539E-02	-7.5 TO 52.5	0.1153E-05	82.5-142.5	0.1076E-05	60	0- 60	0.6352E-05	90-150	0.5961E-05
75-87.71	0.2303E-02	-7.5 TO 52.5	0.3503E-06	82.5-142.5	0.3119E-06	75	0- 60	0.2881E-05	90-150	0.2636E-05
0-15.00	0.4484E-03	-7.5 TO 67.5	0.3451E-05	82.5-157.5	0.3412E-05	0	0- 75	0.1750E-04	90-165	0.1750E-04
15-30.00	0.1315E-02	-7.5 TO 67.5	0.3196E-05	82.5-157.5	0.3116E-05	15	0- 75	0.1693E-04	90-165	0.1664E-04
30-45.00	0.2091E-02	-7.5 TO 67.5	0.2686E-05	82.5-157.5	0.2580E-05	30	0- 75	0.1497E-04	90-165	0.1448E-04
45-60.00	0.2725E-02	-7.5 TO 67.5	0.1977E-05	82.5-157.5	0.1873E-05	45	0- 75	0.1184E-04	90-165	0.1128E-04
60-75.00	0.3174E-02	-7.5 TO 67.5	0.1144E-05	82.5-157.5	0.1070E-05	60	0- 75	0.7907E-05	90-165	0.7418E-05
75-87.71	0.2879E-02	-7.5 TO 67.5	0.3479E-06	82.5-157.5	0.3090E-06	75	0- 75	0.3580E-05	90-165	0.3274E-05
0-15.00	0.5381E-03	-7.5 TO 82.5	0.3448E-05	82.5-172.5	0.3410E-05	0	0- 90	0.2099E-04	90-180	0.2099E-04
15-30.00	0.1577E-02	-7.5 TO 82.5	0.3190E-05	82.5-172.5	0.3110E-05	15	0- 90	0.2029E-04	90-180	0.1995E-04
30-45.00	0.2509E-02	-7.5 TO 82.5	0.2678E-05	82.5-172.5	0.2573E-05	30	0- 90	0.1792E-04	90-180	0.1734E-04
45-60.00	0.3270E-02	-7.5 TO 82.5	0.1970E-05	82.5-172.5	0.1866E-05	45	0- 90	0.1416E-04	90-180	0.1350E-04
60-75.00	0.3807E-02	-7.5 TO 82.5	0.1142E-05	82.5-172.5	0.1065E-05	60	0- 90	0.9442E-05	90-180	0.8871E-05
75-87.71	0.3455E-02	-7.5 TO 82.5	0.3490E-06	82.5-172.5	0.3066E-06	75	0- 90	0.4267E-05	90-180	0.3910E-05
0-15.00	0.6277E-03	-7.5 TO 97.5	0.3445E-05	82.5-187.5	0.3408E-05	0	0-105	0.2449E-04	90-195	0.2449E-04
15-30.00	0.1840E-02	-7.5 TO 97.5	0.3184E-05	82.5-187.5	0.3106E-05	15	0-105	0.2364E-04	90-195	0.2327E-04
30-45.00	0.2926E-02	-7.5 TO 97.5	0.2670E-05	82.5-187.5	0.2568E-05	30	0-105	0.2085E-04	90-195	0.2020E-04
45-60.00	0.3815E-02	-7.5 TO 97.5	0.1961E-05	82.5-187.5	0.1861E-05	45	0-105	0.1645E-04	90-195	0.1572E-04
60-75.00	0.4443E-02	-7.5 TO 97.5	0.1130E-05	82.5-187.5	0.1061E-05	60	0-105	0.1096E-04	90-195	0.1032E-04
75-87.71	0.4031E-02	-7.5 TO 97.5	0.3419E-06	82.5-187.5	0.3047E-06	75	0-105	0.4941E-05	90-195	0.4546E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0240$ $\cosh \mu_2 = 49.8800$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 103.89$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8967E-04	-7.5 TO 7.5	0.4291E-05	82.5- 97.5	0.4241E-05	0	0- 15	0.4331E-05	90-105	0.4331E-05
15-30.00	0.2629E-03	-7.5 TO 7.5	0.3998E-05	82.5- 97.5	0.3893E-05	15	0- 15	0.4225E-05	90-105	0.4142E-05
30-45.00	0.4162E-03	-7.5 TO 7.5	0.3379E-05	82.5- 97.5	0.3241E-05	30	0- 15	0.3762E-05	90-105	0.3620E-05
45-60.00	0.5450E-03	-7.5 TO 7.5	0.2501E-05	82.5- 97.5	0.2365E-05	45	0- 15	0.2995E-05	90-105	0.2834E-05
60-75.00	0.6347E-03	-7.5 TO 7.5	0.1460E-05	82.5- 97.5	0.1359E-05	60	0- 15	0.2011E-05	90-105	0.1873E-05
75-87.71	0.5759E-03	-7.5 TO 7.5	0.4477E-06	82.5- 97.5	0.3998E-06	75	0- 15	0.9177E-06	90-105	0.8335E-06
0-15.00	0.1753E-03	-7.5 TO 22.5	0.4290E-05	82.5-112.5	0.4234E-05	0	0- 30	0.8661E-05	90-120	0.8661E-05
15-30.00	0.5258E-03	-7.5 TO 22.5	0.3996E-05	82.5-112.5	0.3879E-05	15	0- 30	0.8444E-05	90-120	0.8265E-05
30-45.00	0.8344E-03	-7.5 TO 22.5	0.3377E-05	82.5-112.5	0.3223E-05	30	0- 30	0.7516E-05	90-120	0.7209E-05
45-60.00	0.1089E-02	-7.5 TO 22.5	0.2498E-05	82.5-112.5	0.2348E-05	45	0- 30	0.5979E-05	90-120	0.5632E-05
60-75.00	0.1269E-02	-7.5 TO 22.5	0.1458E-05	82.5-112.5	0.1347E-05	60	0- 30	0.4013E-05	90-120	0.3715E-05
75-87.71	0.1152E-02	-7.5 TO 22.5	0.4468E-06	82.5-112.5	0.3939E-06	75	0- 30	0.1830E-05	90-120	0.1649E-05
0-15.00	0.2690E-03	-7.5 TO 37.5	0.4288E-05	82.5-127.5	0.4228E-05	0	0- 45	0.1299E-04	90-135	0.1299E-04
15-30.00	0.7867E-03	-7.5 TO 37.5	0.3992E-05	82.5-127.5	0.3866E-05	15	0- 45	0.1265E-04	90-135	0.1237E-04
30-45.00	0.1255E-02	-7.5 TO 37.5	0.3372E-05	82.5-127.5	0.3206E-05	30	0- 45	0.1125E-04	90-135	0.1077E-04
45-60.00	0.1635E-02	-7.5 TO 37.5	0.2493E-05	82.5-127.5	0.2331E-05	45	0- 45	0.8945E-05	90-135	0.8398E-05
60-75.00	0.1964E-02	-7.5 TO 37.5	0.1454E-05	82.5-127.5	0.1335E-05	60	0- 45	0.6000E-05	90-135	0.5530E-05
75-87.71	0.1728E-02	-7.5 TO 37.5	0.4449E-06	82.5-127.5	0.3883E-06	75	0- 45	0.2733E-05	90-135	0.2448E-05
0-15.00	0.3567E-03	-7.5 TO 52.5	0.4285E-05	82.5-142.5	0.4222E-05	0	0- 60	0.1732E-04	90-150	0.1732E-04
15-30.00	0.1052E-02	-7.5 TO 52.5	0.3986E-05	82.5-142.5	0.3854E-05	15	0- 60	0.1685E-04	90-150	0.1646E-04
30-45.00	0.1673E-02	-7.5 TO 52.5	0.3363E-05	82.5-142.5	0.3191E-05	30	0- 60	0.1497E-04	90-150	0.1431E-04
45-60.00	0.2180E-02	-7.5 TO 52.5	0.2485E-05	82.5-142.5	0.2316E-05	45	0- 60	0.1188E-04	90-150	0.1114E-04
60-75.00	0.2539E-02	-7.5 TO 52.5	0.1448E-05	82.5-142.5	0.1324E-05	60	0- 60	0.7963E-05	90-150	0.7323E-05
75-87.71	0.2303E-02	-7.5 TO 52.5	0.4420E-06	82.5-142.5	0.3832E-06	75	0- 60	0.3621E-05	90-150	0.3234E-05
0-15.00	0.4484E-03	-7.5 TO 67.5	0.4281E-05	82.5-157.5	0.4217E-05	0	0- 75	0.2165E-04	90-165	0.2165E-04
15-30.00	0.1315E-02	-7.5 TO 67.5	0.3978E-05	82.5-157.5	0.3844E-05	15	0- 75	0.2103E-04	90-165	0.2055E-04
30-45.00	0.2051E-02	-7.5 TO 67.5	0.3353E-05	82.5-157.5	0.3177E-05	30	0- 75	0.1865E-04	90-165	0.1783E-04
45-60.00	0.2725E-02	-7.5 TO 67.5	0.2474E-05	82.5-157.5	0.2303E-05	45	0- 75	0.1479E-04	90-165	0.1386E-04
60-75.00	0.3174E-02	-7.5 TO 67.5	0.1440E-05	82.5-157.5	0.1314E-05	60	0- 75	0.9898E-05	90-165	0.9101E-05
75-87.71	0.2879E-02	-7.5 TO 67.5	0.4383E-06	82.5-157.5	0.3788E-06	75	0- 75	0.4493E-05	90-165	0.4010E-05
0-15.00	0.5380E-03	-7.5 TO 82.5	0.4277E-05	82.5-172.5	0.4213E-05	0	0- 90	0.2598E-04	90-180	0.2598E-04
15-30.00	0.1577E-02	-7.5 TO 82.5	0.3968E-05	82.5-172.5	0.3835E-05	15	0- 90	0.2519E-04	90-180	0.2463E-04
30-45.00	0.2509E-02	-7.5 TO 82.5	0.3340E-05	82.5-172.5	0.3166E-05	30	0- 90	0.2230E-04	90-180	0.2134E-04
45-60.00	0.3270E-02	-7.5 TO 82.5	0.2462E-05	82.5-172.5	0.2292E-05	45	0- 90	0.1766E-04	90-180	0.1657E-04
60-75.00	0.3806E-02	-7.5 TO 82.5	0.1431E-05	82.5-172.5	0.1306E-05	60	0- 90	0.1180E-04	90-180	0.1087E-04
75-87.71	0.3455E-02	-7.5 TO 82.5	0.4339E-06	82.5-172.5	0.3751E-06	75	0- 90	0.5345E-05	90-180	0.4782E-05
0-15.00	0.6277E-03	-7.5 TO 97.5	0.4272E-05	82.5-187.5	0.4210E-05	0	0-105	0.3031E-04	90-195	0.3031E-04
15-30.00	0.1840E-02	-7.5 TO 97.5	0.3957E-05	82.5-187.5	0.3828E-05	15	0-105	0.2933E-04	90-195	0.2870E-04
30-45.00	0.2928E-02	-7.5 TO 97.5	0.3326E-05	82.5-187.5	0.3157E-05	30	0-105	0.2592E-04	90-195	0.2485E-04
45-60.00	0.3815E-02	-7.5 TO 97.5	0.2448E-05	82.5-187.5	0.2283E-05	45	0-105	0.2050E-04	90-195	0.1928E-04
60-75.00	0.4443E-02	-7.5 TO 97.5	0.1421E-05	82.5-187.5	0.1300E-05	60	0-105	0.1368E-04	90-195	0.1264E-04
75-87.71	0.4031E-02	-7.5 TO 97.5	0.4290E-06	82.5-187.5	0.3723E-06	75	0-105	0.6179E-05	90-195	0.5554E-05

$r_2/r_1 = 0.20$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0240$ $\cosh \mu_2 = 49.8800$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 88.85$

0-15.00	0.8967E-04	-7.5 TO 7.5	0.4592E-05	82.5- 97.5	0.4521E-05	0	0- 15	0.4617E-05	90-105	0.4617E-05
15-30.00	0.2629E-03	-7.5 TO 7.5	0.4300E-05	82.5- 97.5	0.4150E-05	15	0- 15	0.4530E-05	90-105	0.4412E-05
30-45.00	0.4162E-03	-7.5 TO 7.5	0.3652E-05	82.5- 97.5	0.3456E-05	30	0- 15	0.4056E-05	90-105	0.3854E-05
45-60.00	0.5450E-03	-7.5 TO 7.5	0.2713E-05	82.5- 97.5	0.2522E-05	45	0- 15	0.3243E-05	90-105	0.3015E-05
60-75.00	0.6347E-03	-7.5 TO 7.5	0.1588E-05	82.5- 97.5	0.1449E-05	60	0- 15	0.2185E-05	90-105	0.1992E-05
75-87.71	0.5759E-03	-7.5 TO 7.5	0.4884E-06	82.5- 97.5	0.4264E-06	75	0- 15	0.9996E-06	90-105	0.8863E-06
0-15.00	0.1753E-03	-7.5 TO 22.5	0.4591E-05	82.5-112.5	0.4512E-05	0	0- 30	0.9234E-05	90-120	0.9234E-05
15-30.00	0.5258E-03	-7.5 TO 22.5	0.4297E-05	82.5-112.5	0.4131E-05	15	0- 30	0.9063E-05	90-120	0.8798E-05
30-45.00	0.8344E-03	-7.5 TO 22.5	0.3649E-05	82.5-112.5	0.3431E-05	30	0- 30	0.8099E-05	90-120	0.7664E-05
45-60.00	0.1089E-02	-7.5 TO 22.5	0.2709E-05	82.5-112.5	0.2498E-05	45	0- 30	0.6471E-05	90-120	0.5981E-05
60-75.00	0.1269E-02	-7.5 TO 22.5	0.1585E-05	82.5-112.5	0.1432E-05	60	0- 30	0.4358E-05	90-120	0.3942E-05
75-87.71	0.1152E-02	-7.5 TO 22.5	0.4873E-06	82.5-112.5	0.4189E-06	75	0- 30	0.1992E-05	90-120	0.1749E-05
0-15.00	0.2690E-03	-7.5 TO 37.5	0.4588E-05	82.5-127.5	0.4503E-05	0	0- 45	0.1385E-04	90-135	0.1385E-04
15-30.00	0.7867E-03	-7.5 TO 37.5	0.4291E-05	82.5-127.5	0.4113E-05	15	0- 45	0.1356E-04	90-135	0.1316E-04
30-45.00	0.1255E-02	-7.5 TO 37.5	0.3641E-05	82.5-127.5	0.3407E-05	30	0- 45	0.1212E-04	90-135	0.1143E-04
45-60.00	0.1635E-02	-7.5 TO 37.5	0.2702E-05	82.5-127.5	0.2475E-05	45	0- 45	0.9673E-05	90-135	0.8903E-05
60-75.00	0.1964E-02	-7.5 TO 37.5	0.1580E-05	82.5-127.5	0.1416E-05	60	0- 45	0.6508E-05	90-135	0.5856E-05
75-87.71	0.1728E-02	-7.5 TO 37.5	0.4848E-06	82.5-127.5	0.4119E-06	75	0- 45	0.2971E-05	90-135	0.2590E-05
0-15.00	0.3567E-03	-7.5 TO 52.5	0.4584E-05	82.5-142.5	0.4495E-05	0	0- 60	0.1847E-04	90-150	0.1847E-04
15-30.00	0.1052E-02	-7.5 TO 52.5	0.4282E-05	82.5-142.5	0.4096E-05	15	0- 60	0.1805E-04	90-150	0.1750E-04
30-45.00	0.1673E-02	-7.5 TO 52.5	0.3629E-05	82.5-142.5	0.3386E-05	30	0- 60	0.1611E-04	90-150	0.1517E-04
45-60.00	0.2180E-02	-7.5 TO 52.5	0.2690E-05	82.5-142.5	0.2455E-05	45	0- 60	0.1284E-04	90-150	0.1179E-04
60-75.00	0.2539E-02	-7.5 TO 52.5	0.1572E-05	82.5-142.5	0.1401E-05	60	0- 60	0.8626E-05	90-150	0.7740E-05
75-87.71	0.2303E-02	-7.5 TO 52.5	0.4810E-06	82.5-142.5	0.4055E-06	75	0- 60	0.3931E-05	90-150	0.3414E-05
0-15.00	0.4484E-03	-7.5 TO 67.5	0.4579E-05	82.5-157.5	0.4488E-05	0	0- 75	0.2308E-04	90-165	0.2308E-04
15-30.00	0.1315E-02	-7.5 TO 67.5	0.4271E-05	82.5-157.5	0.4082E-05	15	0- 75	0.2252E-04	90-165	0.2183E-04
30-45.00	0.2051E-02	-7.5 TO 67.5	0.3614E-05	82.5-157.5	0.3367E-05	30	0- 75	0.2005E-04	90-165	0.1889E-04
45-60.00	0.2725E-02	-7.5 TO 67.5	0.2670E-05	82.5-157.5	0.2437E-05	45	0- 75	0.1598E-04	90-165	0.1465E-04
60-75.00	0.3174E-02	-7.5 TO 67.5	0.1561E-05	82.5-157.5	0.1389E-05	60	0- 75	0.1070E-04	90-165	0.9604E-05
75-87.71	0.2879E-02	-7.5 TO 67.5	0.4761E-06	82.5-157.5	0.4000E-06	75	0- 75	0.4868E-05	90-165	0.4227E-05
0-15.00	0.5380E-03	-7.5 TO 82.5	0.4572E-05	82.5-172.5	0.4482E-05	0	0- 90	0.2770E-04	90-180	0.2770E-04
15-30.00	0.1577E-02	-7.5 TO 82.5	0.4257E-05	82.5-172.5	0.4070E-05	15	0- 90	0.2696E-04	90-180	0.2616E-04
30-45.00	0.2509E-02	-7.5 TO 82.5	0.3596E-05	82.5-172.5	0.3351E-05	30	0- 90	0.2395E-04	90-180	0.2259E-04
45-60.00	0.3270E-02	-7.5 TO 82.5	0.2658E-05	82.5-172.5	0.2422E-05	45	0- 90	0.1902E-04	90-180	0.1750E-04
60-75.00	0.3806E-02	-7.5 TO 82.5	0.1548E-05	82.5-172.5	0.1378E-05	60	0- 90	0.1274E-04	90-180	0.1146E-04
75-87.71	0.3455E-02	-7.5 TO 82.5	0.4704E-06	82.5-172.5	0.3955E-06	75	0- 90	0.5780E-05	90-180	0.5034E-05
0-15.00	0.6277E-03	-7.5 TO 97.5	0.4565E-05	82.5-187.5	0.4478E-05	0	0-105	0.3232E-04	90-195	0.3232E-04
15-30.00	0.1840E-02	-7.5 TO 97.5	0.4242E-05	82.5-187.5	0.4060E-05	15	0-105	0.3137E-04	90-195	0.3048E-04
30-45.00	0.2928E-02	-7.5 TO 97.5	0.3576E-05	82.5-187.5	0.3339E-05	30	0-105	0.2781E-04	90-195	0.2630E-04
45-60.00	0.3815E-02	-7.5 TO 97.5	0.2639E-05	82.5-187.5	0.2410E-05	45	0-105	0.2204E-04	90-195	0.2035E-04
60-75.00	0.4443E-02	-7.5 TO 97.5	0.1534E-05	82.5-187.5	0.1370E-05	60	0-105	0.1473E-04	90-195	0.1331E-04
75-87.71	0.4031E-02	-7.5 TO 97.5	0.4641E-06	82.5-187.5	0.3920E-06	75	0-105	0.6667E-05	90-195	0.5841E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0240$ $\cosh \mu_2 = 49.8800$ $\alpha_{2,max} = 92.29$ $\theta_{2,min} = 86.56$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8567E-04	-7.5 TO 7.5	0.4592E-05	82.5- 97.5	0.4521E-05	0	0- 15	0.4617E-05	90-105	0.4617E-05
15-30.00	0.2625E-03	-7.5 TO 7.5	0.4300E-05	82.5- 97.5	0.4150E-05	15	0- 15	0.4530E-05	90-105	0.4412E-05
30-45.00	0.4182E-03	-7.5 TO 7.5	0.3554E-05	82.5- 97.5	0.3456E-05	30	0- 15	0.4057E-05	90-105	0.3854E-05
45-60.00	0.5450E-03	-7.5 TO 7.5	0.2715E-05	82.5- 97.5	0.2522E-05	45	0- 15	0.3245E-05	90-105	0.3015E-05
60-75.00	0.6347E-03	-7.5 TO 7.5	0.1590E-05	82.5- 97.5	0.1449E-05	60	0- 15	0.2187E-05	90-105	0.1992E-05
75-87.71	0.5759E-03	-7.5 TO 7.5	0.4891E-06	82.5- 97.5	0.4264E-06	75	0- 15	0.1001E-05	90-105	0.8863E-06
0-15.00	0.1753E-03	-7.5 TO 22.5	0.4291E-05	82.5-112.5	0.4512E-05	0	0- 30	0.9234E-05	90-120	0.9234E-05
15-30.00	0.5258E-03	-7.5 TO 22.5	0.4298E-05	82.5-112.5	0.4131E-05	15	0- 30	0.9053E-05	90-120	0.8798E-05
30-45.00	0.8364E-03	-7.5 TO 22.5	0.3650E-05	82.5-112.5	0.3431E-05	30	0- 30	0.8101E-05	90-120	0.7664E-05
45-60.00	0.1090E-02	-7.5 TO 22.5	0.2712E-05	82.5-112.5	0.2498E-05	45	0- 30	0.6475E-05	90-120	0.5981E-05
60-75.00	0.1269E-02	-7.5 TO 22.5	0.1587E-05	82.5-112.5	0.1432E-05	60	0- 30	0.4362E-05	90-120	0.3942E-05
75-87.71	0.1152E-02	-7.5 TO 22.5	0.4879E-06	82.5-112.5	0.4189E-06	75	0- 30	0.1995E-05	90-120	0.1749E-05
0-15.00	0.2656E-03	-7.5 TO 37.5	0.4588E-05	82.5-127.5	0.4503E-05	0	0- 45	0.1385E-04	90-135	0.1385E-04
15-30.00	0.7887E-03	-7.5 TO 37.5	0.4292E-05	82.5-127.5	0.4113E-05	15	0- 45	0.1356E-04	90-135	0.1316E-04
30-45.00	0.1255E-02	-7.5 TO 37.5	0.3642E-05	82.5-127.5	0.3407E-05	30	0- 45	0.1212E-04	90-135	0.1143E-04
45-60.00	0.1635E-02	-7.5 TO 37.5	0.2704E-05	82.5-127.5	0.2475E-05	45	0- 45	0.9678E-05	90-135	0.8903E-05
60-75.00	0.1904E-02	-7.5 TO 37.5	0.1582E-05	82.5-127.5	0.1416E-05	60	0- 45	0.6513E-05	90-135	0.5856E-05
75-87.71	0.1728E-02	-7.5 TO 37.5	0.4854E-06	82.5-127.5	0.4119E-06	75	0- 45	0.2975E-05	90-135	0.2590E-05
0-15.00	0.3567E-03	-7.5 TO 52.5	0.4584E-05	82.5-142.5	0.4495E-05	0	0- 60	0.1847E-04	90-150	0.1847E-04
15-30.00	0.1052E-02	-7.5 TO 52.5	0.4283E-05	82.5-142.5	0.4096E-05	15	0- 60	0.1805E-04	90-150	0.1750E-04
30-45.00	0.1673E-02	-7.5 TO 52.5	0.3630E-05	82.5-142.5	0.3386E-05	30	0- 60	0.1611E-04	90-150	0.1517E-04
45-60.00	0.2180E-02	-7.5 TO 52.5	0.2692E-05	82.5-142.5	0.2455E-05	45	0- 60	0.1284E-04	90-150	0.1179E-04
60-75.00	0.2539E-02	-7.5 TO 52.5	0.1573E-05	82.5-142.5	0.1401E-05	60	0- 60	0.8632E-05	90-150	0.7740E-05
75-87.71	0.2303E-02	-7.5 TO 52.5	0.4815E-06	82.5-142.5	0.4055E-06	75	0- 60	0.3935E-05	90-150	0.3414E-05
0-15.00	0.4484E-03	-7.5 TO 67.5	0.4579E-05	82.5-157.5	0.4488E-05	0	0- 75	0.2308E-04	90-165	0.2308E-04
15-30.00	0.1315E-02	-7.5 TO 67.5	0.4271E-05	82.5-157.5	0.4082E-05	15	0- 75	0.2252E-04	90-165	0.2183E-04
30-45.00	0.2091E-02	-7.5 TO 67.5	0.3615E-05	82.5-157.5	0.3367E-05	30	0- 75	0.2005E-04	90-165	0.1889E-04
45-60.00	0.2725E-02	-7.5 TO 67.5	0.2677E-05	82.5-157.5	0.2437E-05	45	0- 75	0.1596E-04	90-165	0.1465E-04
60-75.00	0.3174E-02	-7.5 TO 67.5	0.1562E-05	82.5-157.5	0.1389E-05	60	0- 75	0.1071E-04	90-165	0.9604E-05
75-87.71	0.2879E-02	-7.5 TO 67.5	0.4766E-06	82.5-157.5	0.4000E-06	75	0- 75	0.4872E-05	90-165	0.4227E-05
0-15.00	0.5386E-03	-7.5 TO 82.5	0.4572E-05	82.5-172.5	0.4482E-05	0	0- 90	0.2770E-04	90-180	0.2770E-04
15-30.00	0.1577E-02	-7.5 TO 82.5	0.4257E-05	82.5-172.5	0.4070E-05	15	0- 90	0.2696E-04	90-180	0.2616E-04
30-45.00	0.2509E-02	-7.5 TO 82.5	0.3597E-05	82.5-172.5	0.3351E-05	30	0- 90	0.2395E-04	90-180	0.2259E-04
45-60.00	0.3270E-02	-7.5 TO 82.5	0.2659E-05	82.5-172.5	0.2422E-05	45	0- 90	0.1903E-04	90-180	0.1750E-04
60-75.00	0.3808E-02	-7.5 TO 82.5	0.1549E-05	82.5-172.5	0.1378E-05	60	0- 90	0.1278E-04	90-180	0.1166E-04
75-87.71	0.3455E-02	-7.5 TO 82.5	0.4708E-06	82.5-172.5	0.3955E-06	75	0- 90	0.5784E-05	90-180	0.5034E-05
0-15.00	0.6277E-03	-7.5 TO 97.5	0.4565E-05	82.5-187.5	0.4478E-05	0	0-105	0.3232E-04	90-195	0.3232E-04
15-30.00	0.1840E-02	-7.5 TO 97.5	0.4242E-05	82.5-187.5	0.4060E-05	15	0-105	0.3137E-04	90-195	0.3048E-04
30-45.00	0.2928E-02	-7.5 TO 97.5	0.3577E-05	82.5-187.5	0.3339E-05	30	0-105	0.2781E-04	90-195	0.2630E-04
45-60.00	0.3815E-02	-7.5 TO 97.5	0.2640E-05	82.5-187.5	0.2410E-05	45	0-105	0.2204E-04	90-195	0.2035E-04
60-75.00	0.4443E-02	-7.5 TO 97.5	0.1535E-05	82.5-187.5	0.1370E-05	60	0-105	0.1474E-04	90-195	0.1331E-04
75-87.71	0.4031E-02	-7.5 TO 97.5	0.4645E-06	82.5-187.5	0.3920E-06	75	0-105	0.6670E-05	90-195	0.5841E-05

$r_2/r_1 = 0.20$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0096$ $\cosh \mu_2 = 124.9520$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.88$

0-15.00	0.1426E-04	-7.5 TO 7.5	0.4604E-07	82.5- 97.5	0.4600E-07	0	0- 15	0.4687E-07	90-105	0.4687E-07
15-30.00	0.4166E-04	-7.5 TO 7.5	0.4270E-07	82.5- 97.5	0.4263E-07	15	0- 15	0.4519E-07	90-105	0.4513E-07
30-45.00	0.6662E-04	-7.5 TO 7.5	0.3628E-07	82.5- 97.5	0.3618E-07	30	0- 15	0.4021E-07	90-105	0.4011E-07
45-60.00	0.8663E-04	-7.5 TO 7.5	0.2734E-07	82.5- 97.5	0.2723E-07	45	0- 15	0.3237E-07	90-105	0.3225E-07
60-75.00	0.1011E-03	-7.5 TO 7.5	0.1663E-07	82.5- 97.5	0.1655E-07	60	0- 15	0.2235E-07	90-105	0.2224E-07
75-85.08	0.1018E-03	-7.5 TO 7.5	0.5397E-08	82.5- 97.5	0.5349E-08	75	0- 15	0.1097E-07	90-105	0.1090E-07
0-15.00	0.2857E-04	-7.5 TO 22.5	0.4604E-07	82.5-112.5	0.4600E-07	0	0- 30	0.9374E-07	90-120	0.9374E-07
15-30.00	0.8376E-04	-7.5 TO 22.5	0.4270E-07	82.5-112.5	0.4262E-07	15	0- 30	0.9038E-07	90-120	0.9026E-07
30-45.00	0.1332E-03	-7.5 TO 22.5	0.3628E-07	82.5-112.5	0.3617E-07	30	0- 30	0.8041E-07	90-120	0.8020E-07
45-60.00	0.1737E-03	-7.5 TO 22.5	0.2734E-07	82.5-112.5	0.2722E-07	45	0- 30	0.6473E-07	90-120	0.6447E-07
60-75.00	0.2022E-03	-7.5 TO 22.5	0.1663E-07	82.5-112.5	0.1654E-07	60	0- 30	0.4468E-07	90-120	0.4445E-07
75-85.08	0.2036E-03	-7.5 TO 22.5	0.5396E-08	82.5-112.5	0.5343E-08	75	0- 30	0.2194E-07	90-120	0.2178E-07
0-15.00	0.4285E-04	-7.5 TO 37.5	0.4604E-07	82.5-127.5	0.4600E-07	0	0- 45	0.1406E-06	90-135	0.1406E-06
15-30.00	0.1256E-03	-7.5 TO 37.5	0.4270E-07	82.5-127.5	0.4261E-07	15	0- 45	0.1356E-06	90-135	0.1354E-06
30-45.00	0.1998E-03	-7.5 TO 37.5	0.3627E-07	82.5-127.5	0.3615E-07	30	0- 45	0.1206E-06	90-135	0.1203E-06
45-60.00	0.2605E-03	-7.5 TO 37.5	0.2733E-07	82.5-127.5	0.2721E-07	45	0- 45	0.9707E-07	90-135	0.9667E-07
60-75.00	0.3032E-03	-7.5 TO 37.5	0.1663E-07	82.5-127.5	0.1653E-07	60	0- 45	0.6701E-07	90-135	0.6664E-07
75-85.08	0.3054E-03	-7.5 TO 37.5	0.5394E-08	82.5-127.5	0.5337E-08	75	0- 45	0.3290E-07	90-135	0.3264E-07
0-15.00	0.5714E-04	-7.5 TO 52.5	0.4603E-07	82.5-142.5	0.4599E-07	0	0- 60	0.1873E-06	90-150	0.1875E-06
15-30.00	0.1675E-03	-7.5 TO 52.5	0.4269E-07	82.5-142.5	0.4260E-07	15	0- 60	0.1807E-06	90-150	0.1805E-06
30-45.00	0.2665E-03	-7.5 TO 52.5	0.3627E-07	82.5-142.5	0.3614E-07	30	0- 60	0.1608E-06	90-150	0.1603E-06
45-60.00	0.3473E-03	-7.5 TO 52.5	0.2733E-07	82.5-142.5	0.2720E-07	45	0- 60	0.1294E-06	90-150	0.1288E-06
60-75.00	0.4044E-03	-7.5 TO 52.5	0.1662E-07	82.5-142.5	0.1652E-07	60	0- 60	0.8932E-07	90-150	0.8881E-07
75-85.08	0.4072E-03	-7.5 TO 52.5	0.5391E-08	82.5-142.5	0.5332E-08	75	0- 60	0.4385E-07	90-150	0.4349E-07
0-15.00	0.7142E-04	-7.5 TO 67.5	0.4603E-07	82.5-157.5	0.4595E-07	0	0- 75	0.2343E-06	90-165	0.2343E-06
15-30.00	0.2094E-03	-7.5 TO 67.5	0.4269E-07	82.5-157.5	0.4259E-07	15	0- 75	0.2259E-06	90-165	0.2256E-06
30-45.00	0.3331E-03	-7.5 TO 67.5	0.3626E-07	82.5-157.5	0.3613E-07	30	0- 75	0.2009E-06	90-165	0.2003E-06
45-60.00	0.4341E-03	-7.5 TO 67.5	0.2732E-07	82.5-157.5	0.2719E-07	45	0- 75	0.1617E-06	90-165	0.1610E-06
60-75.00	0.5055E-03	-7.5 TO 67.5	0.1662E-07	82.5-157.5	0.1651E-07	60	0- 75	0.1116E-06	90-165	0.1110E-06
75-85.08	0.5090E-03	-7.5 TO 67.5	0.5387E-08	82.5-157.5	0.5327E-08	75	0- 75	0.5478E-07	90-165	0.5433E-07
0-15.00	0.8571E-04	-7.5 TO 82.5	0.4603E-07	82.5-172.5	0.4595E-07	0	0- 90	0.2812E-06	90-180	0.2812E-06
15-30.00	0.2513E-03	-7.5 TO 82.5	0.4268E-07	82.5-172.5	0.4259E-07	15	0- 90	0.2710E-06	90-180	0.2707E-06
30-45.00	0.3997E-03	-7.5 TO 82.5	0.3625E-07	82.5-172.5	0.3612E-07	30	0- 90	0.2411E-06	90-180	0.2404E-06
45-60.00	0.5210E-03	-7.5 TO 82.5	0.2731E-07	82.5-172.5	0.2718E-07	45	0- 90	0.1940E-06	90-180	0.1932E-06
60-75.00	0.6067E-03	-7.5 TO 82.5	0.1661E-07	82.5-172.5	0.1650E-07	60	0- 90	0.1339E-06	90-180	0.1331E-06
75-85.08	0.6108E-03	-7.5 TO 82.5	0.5383E-08	82.5-172.5	0.5324E-08	75	0- 90	0.6570E-07	90-180	0.6517E-07
0-15.00	0.9995E-04	-7.5 TO 97.5	0.4603E-07	82.5-187.5	0.4598E-07	0	0-105	0.3281E-06	90-195	0.3281E-06
15-30.00	0.2932E-03	-7.5 TO 97.5	0.4267E-07	82.5-187.5	0.4258E-07	15	0-105	0.3162E-06	90-195	0.3157E-06
30-45.00	0.4664E-03	-7.5 TO 97.5	0.3624E-07	82.5-187.5	0.3612E-07	30	0-105	0.2812E-06	90-195	0.2804E-06
45-60.00	0.6078E-03	-7.5 TO 97.5	0.2730E-07	82.5-187.5	0.2717E-07	45	0-105	0.2262E-06	90-195	0.2253E-06
60-75.00	0.7078E-03	-7.5 TO 97.5	0.1660E-07	82.5-187.5	0.1650E-07	60	0-105	0.1561E-06	90-195	0.1553E-06
75-85.08	0.7126E-03	-7.5 TO 97.5	0.5378E-08	82.5-187.5	0.5321E-08	75	0-105	0.7659E-07	90-195	0.7601E-07

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0096$ $\cosh \mu_2 = 124.9520$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 149.77$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1426E-04	-7.5 TO 7.5	0.1718E-06	82.5- 97.5	0.1715E-06	0	0- 15	0.1748E-06	90-105	0.1748E-06
15-30.00	0.4188E-04	-7.5 TO 7.5	0.1595E-06	82.5- 97.5	0.1590E-06	15	0- 15	0.1687E-06	90-105	0.1683E-06
30-45.00	0.6662E-04	-7.5 TO 7.5	0.1357E-06	82.5- 97.5	0.1349E-06	30	C- 15	0.1503E-06	90-105	0.1495E-06
45-60.00	0.8683E-04	-7.5 TO 7.5	0.1023E-06	82.5- 97.5	0.1016E-06	45	0- 15	0.1211E-06	90-105	0.1202E-06
60-75.00	0.1011E-03	-7.5 TO 7.5	0.6234E-07	82.5- 97.5	0.6171E-07	60	0- 15	0.8370E-07	90-105	0.8287E-07
75-85.08	0.1018E-03	-7.5 TO 7.5	0.2030E-07	82.5- 97.5	0.1995E-07	75	C- 15	0.4118E-07	90-105	0.4060E-07
0-15.00	0.2855E-04	-7.5 TO 22.5	0.1718E-06	82.5-112.5	0.1715E-06	C	C- 30	0.3495E-06	90-120	0.3495E-06
15-30.00	0.8376E-04	-7.5 TO 22.5	0.1593E-06	82.5-112.5	0.1589E-06	15	C- 30	0.3374E-06	90-120	0.3365E-06
30-45.00	0.1332E-03	-7.5 TO 22.5	0.1357E-06	82.5-112.5	0.1348E-06	30	0- 30	0.3005E-06	90-120	0.2989E-06
45-60.00	0.1737E-03	-7.5 TO 22.5	0.1023E-06	82.5-112.5	0.1015E-06	45	C- 30	0.2421E-06	90-120	0.2402E-06
60-75.00	0.2022E-03	-7.5 TO 22.5	0.6233E-07	82.5-112.5	0.6163E-07	60	C- 30	0.1673E-06	90-120	0.1656E-06
75-85.08	0.2036E-03	-7.5 TO 22.5	0.2029E-07	82.5-112.5	0.1990E-07	75	C- 30	0.8232E-07	90-120	0.8107E-07
0-15.00	0.4285E-04	-7.5 TO 37.5	0.1718E-06	82.5-127.5	0.1715E-06	C	C- 45	0.5243E-06	90-135	0.5243E-06
15-30.00	0.1256E-03	-7.5 TO 37.5	0.1595E-06	82.5-127.5	0.1588E-06	15	0- 45	0.5060E-06	90-135	0.5046E-06
30-45.00	0.1999E-03	-7.5 TO 37.5	0.1356E-06	82.5-127.5	0.1347E-06	30	0- 45	0.4507E-06	90-135	0.4481E-06
45-60.00	0.2606E-03	-7.5 TO 37.5	0.1023E-06	82.5-127.5	0.1014E-06	45	0- 45	0.3631E-06	90-135	0.3600E-06
60-75.00	0.3033E-03	-7.5 TO 37.5	0.6231E-07	82.5-127.5	0.6155E-07	60	0- 45	0.2509E-06	90-135	0.2481E-06
75-85.08	0.3054E-03	-7.5 TO 37.5	0.2028E-07	82.5-127.5	0.1986E-07	75	0- 45	0.1234E-06	90-135	0.1214E-06
0-15.00	0.5714E-04	-7.5 TO 52.5	0.1718E-06	82.5-142.5	0.1715E-06	0	C- 60	0.6991E-06	90-150	0.6991E-06
15-30.00	0.1675E-03	-7.5 TO 52.5	0.1594E-06	82.5-142.5	0.1587E-06	15	0- 60	0.6746E-06	90-150	0.6726E-06
30-45.00	0.2665E-03	-7.5 TO 52.5	0.1356E-06	82.5-142.5	0.1346E-06	30	C- 60	0.6007E-06	90-150	0.5971E-06
45-60.00	0.3473E-03	-7.5 TO 52.5	0.1022E-06	82.5-142.5	0.1013E-06	45	0- 60	0.4839E-06	90-150	0.4797E-06
60-75.00	0.4044E-03	-7.5 TO 52.5	0.6227E-07	82.5-142.5	0.6148E-07	60	C- 60	0.3343E-06	90-150	0.3305E-06
75-85.08	0.4072E-03	-7.5 TO 52.5	0.2026E-07	82.5-142.5	0.1982E-07	75	0- 60	0.1644E-06	90-150	0.1617E-06
0-15.00	0.7142E-04	-7.5 TO 67.5	0.1718E-06	82.5-157.5	0.1714E-06	C	0- 75	0.8739E-06	90-165	0.8739E-06
15-30.00	0.2094E-03	-7.5 TO 67.5	0.1594E-06	82.5-157.5	0.1587E-06	15	0- 75	0.8431E-06	90-165	0.8406E-06
30-45.00	0.3331E-03	-7.5 TO 67.5	0.1355E-06	82.5-157.5	0.1346E-06	30	0- 75	0.7506E-06	90-165	0.7461E-06
45-60.00	0.4341E-03	-7.5 TO 67.5	0.1022E-06	82.5-157.5	0.1012E-06	45	0- 75	0.6045E-06	90-165	0.5993E-06
60-75.00	0.5055E-03	-7.5 TO 67.5	0.6222E-07	82.5-157.5	0.6142E-07	60	C- 75	0.4176E-06	90-165	0.4128E-06
75-85.08	0.5090E-03	-7.5 TO 67.5	0.2023E-07	82.5-157.5	0.1979E-07	75	0- 75	0.2052E-06	90-165	0.2019E-06
0-15.00	0.8571E-04	-7.5 TO 82.5	0.1717E-06	82.5-172.5	0.1714E-06	C	C- 90	0.1049E-05	90-180	0.1049E-05
15-30.00	0.2513E-03	-7.5 TO 82.5	0.1594E-06	82.5-172.5	0.1586E-06	15	0- 90	0.1011E-05	90-180	0.1009E-05
30-45.00	0.3997E-03	-7.5 TO 82.5	0.1355E-06	82.5-172.5	0.1345E-06	30	C- 90	0.9003E-06	90-180	0.8951E-06
45-60.00	0.5210E-03	-7.5 TO 82.5	0.1021E-06	82.5-172.5	0.1011E-06	45	C- 90	0.7249E-06	90-180	0.7188E-06
60-75.00	0.6066E-03	-7.5 TO 82.5	0.6217E-07	82.5-172.5	0.6137E-07	60	0- 90	0.5006E-06	90-180	0.4950E-06
75-85.08	0.6108E-03	-7.5 TO 82.5	0.2020E-07	82.5-172.5	0.1976E-07	75	C- 90	0.2460E-06	90-180	0.2421E-06
0-15.00	0.9999E-04	-7.5 TO 97.5	0.1717E-06	82.5-187.5	0.1714E-06	0	0-105	0.1223E-05	90-195	0.1223E-05
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1593E-06	82.5-187.5	0.1586E-06	15	0-105	0.1180E-05	90-195	0.1176E-05
30-45.00	0.4664E-03	-7.5 TO 97.5	0.1354E-06	82.5-187.5	0.1344E-06	30	C-105	0.1050E-05	90-195	0.1044E-05
45-60.00	0.6078E-03	-7.5 TO 97.5	0.1020E-06	82.5-187.5	0.1011E-06	45	0-105	0.8451E-06	90-195	0.8383E-06
60-75.00	0.7078E-03	-7.5 TO 97.5	0.6210E-07	82.5-187.5	0.6133E-07	60	0-105	0.5835E-06	90-195	0.5772E-06
75-85.08	0.7126E-03	-7.5 TO 97.5	0.2016E-07	82.5-187.5	0.1974E-07	75	C-105	0.2866E-06	90-195	0.2822E-06

$r_2/r_1 = 0.20$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0096$ $\cosh \mu_2 = 124.9520$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 134.67$

0-15.00	0.1426E-04	-7.5 TO 7.5	0.3435E-06	82.5- 97.5	0.3427E-06	0	0- 15	0.3491E-06	90-105	0.3491E-06
15-30.00	0.4188E-04	-7.5 TO 7.5	0.3192E-06	82.5- 97.5	0.3175E-06	15	0- 15	0.3374E-06	90-105	0.3361E-06
30-45.00	0.6662E-04	-7.5 TO 7.5	0.2718E-06	82.5- 97.5	0.2695E-06	30	0- 15	0.3009E-06	90-105	0.2986E-06
45-60.00	0.8683E-04	-7.5 TO 7.5	0.2052E-06	82.5- 97.5	0.2029E-06	45	0- 15	0.2427E-06	90-105	0.2400E-06
60-75.00	0.1011E-03	-7.5 TO 7.5	0.1252E-06	82.5- 97.5	0.1233E-06	60	0- 15	0.1680E-06	90-105	0.1654E-06
75-85.08	0.1018E-03	-7.5 TO 7.5	0.4088E-07	82.5- 97.5	0.3985E-07	75	0- 15	0.8276E-07	90-105	0.8103E-07
0-15.00	0.2855E-04	-7.5 TO 22.5	0.3434E-06	82.5-112.5	0.3425E-06	0	C- 30	0.6982E-06	90-120	0.6982E-06
15-30.00	0.8376E-04	-7.5 TO 22.5	0.3192E-06	82.5-112.5	0.3173E-06	15	C- 30	0.6748E-06	90-120	0.6718E-06
30-45.00	0.1332E-03	-7.5 TO 22.5	0.2718E-06	82.5-112.5	0.2692E-06	30	C- 30	0.6017E-06	90-120	0.5966E-06
45-60.00	0.1737E-03	-7.5 TO 22.5	0.2052E-06	82.5-112.5	0.2025E-06	45	0- 30	0.4853E-06	90-120	0.4793E-06
60-75.00	0.2022E-03	-7.5 TO 22.5	0.1252E-06	82.5-112.5	0.1230E-06	60	C- 30	0.3358E-06	90-120	0.3303E-06
75-85.08	0.2036E-03	-7.5 TO 22.5	0.4087E-07	82.5-112.5	0.3972E-07	75	C- 30	0.1654E-06	90-120	0.1617E-06
0-15.00	0.4285E-04	-7.5 TO 37.5	0.3434E-06	82.5-127.5	0.3424E-06	0	0- 45	0.1047E-05	90-135	0.1047E-05
15-30.00	0.1256E-03	-7.5 TO 37.5	0.3191E-06	82.5-127.5	0.3171E-06	15	0- 45	0.1012E-05	90-135	0.1007E-05
30-45.00	0.1999E-03	-7.5 TO 37.5	0.2717E-06	82.5-127.5	0.2689E-06	30	0- 45	0.9022E-06	90-135	0.8941E-06
45-60.00	0.2606E-03	-7.5 TO 37.5	0.2051E-06	82.5-127.5	0.2022E-06	45	0- 45	0.7276E-06	90-135	0.7181E-06
60-75.00	0.3033E-03	-7.5 TO 37.5	0.1251E-06	82.5-127.5	0.1228E-06	60	0- 45	0.5033E-06	90-135	0.4947E-06
75-85.08	0.3054E-03	-7.5 TO 37.5	0.4082E-07	82.5-127.5	0.3959E-07	75	0- 45	0.2479E-06	90-135	0.2420E-06
0-15.00	0.5714E-04	-7.5 TO 52.5	0.3434E-06	82.5-142.5	0.3424E-06	0	C- 60	0.1396E-05	90-150	0.1396E-05
15-30.00	0.1675E-03	-7.5 TO 52.5	0.3190E-06	82.5-142.5	0.3169E-06	15	0- 60	0.1349E-05	90-150	0.1343E-05
30-45.00	0.2665E-03	-7.5 TO 52.5	0.2715E-06	82.5-142.5	0.2686E-06	30	C- 60	0.1202E-05	90-150	0.1191E-05
45-60.00	0.3473E-03	-7.5 TO 52.5	0.2050E-06	82.5-142.5	0.2020E-06	45	C- 60	0.9694E-06	90-150	0.9565E-06
60-75.00	0.4044E-03	-7.5 TO 52.5	0.1250E-06	82.5-142.5	0.1226E-06	60	C- 60	0.6704E-06	90-150	0.6586E-06
75-85.08	0.4072E-03	-7.5 TO 52.5	0.4076E-07	82.5-142.5	0.3947E-07	75	C- 60	0.3300E-06	90-150	0.3220E-06
0-15.00	0.7142E-04	-7.5 TO 67.5	0.3433E-06	82.5-157.5	0.3423E-06	0	0- 75	0.1745E-05	90-165	0.1745E-05
15-30.00	0.2094E-03	-7.5 TO 67.5	0.3189E-06	82.5-157.5	0.3167E-06	15	0- 75	0.1686E-05	90-165	0.1678E-05
30-45.00	0.3331E-03	-7.5 TO 67.5	0.2714E-06	82.5-157.5	0.2684E-06	30	C- 75	0.1502E-05	90-165	0.1488E-05
45-60.00	0.4341E-03	-7.5 TO 67.5	0.2048E-06	82.5-157.5	0.2017E-06	45	0- 75	0.1211E-05	90-165	0.1195E-05
60-75.00	0.5055E-03	-7.5 TO 67.5	0.1248E-06	82.5-157.5	0.1224E-06	60	0- 75	0.8369E-06	90-165	0.8223E-06
75-85.08	0.5090E-03	-7.5 TO 67.5	0.4068E-07	82.5-157.5	0.3937E-07	75	0- 75	0.4119E-06	90-165	0.4018E-06
0-15.00	0.8571E-04	-7.5 TO 82.5	0.3432E-06	82.5-172.5	0.3422E-06	0	0- 90	0.2095E-05	90-180	0.2095E-05
15-30.00	0.2513E-03	-7.5 TO 82.5	0.3187E-06	82.5-172.5	0.3163E-06	15	C- 90	0.2022E-05	90-180	0.2013E-05
30-45.00	0.3997E-03	-7.5 TO 82.5	0.2711E-06	82.5-172.5	0.2682E-06	30	C- 90	0.1801E-05	90-180	0.1785E-05
45-60.00	0.5210E-03	-7.5 TO 82.5	0.2046E-06	82.5-172.5	0.2015E-06	45	C- 90	0.1451E-05	90-180	0.1432E-05
60-75.00	0.6067E-03	-7.5 TO 82.5	0.1246E-06	82.5-172.5	0.1222E-06	60	C- 90	0.1003E-05	90-180	0.9858E-06
75-85.08	0.6106E-03	-7.5 TO 82.5	0.4059E-07	82.5-172.5	0.3929E-07	75	0- 90	0.4933E-06	90-180	0.4815E-06
0-15.00	0.9999E-04	-7.5 TO 97.5	0.3431E-06	82.5-187.5	0.3422E-06	C	0-105	0.2444E-05	90-195	0.2444E-05
15-30.00	0.2932E-03	-7.5 TO 97.5	0.3186E-06	82.5-187.5	0.3164E-06	15	0-105	0.2358E-05	90-195	0.2348E-05
30-45.00	0.4664E-03	-7.5 TO 97.5	0.2709E-06	82.5-187.5	0.2680E-06	30	C-105	0.2100E-05	90-195	0.2082E-05
45-60.00	0.6078E-03	-7.5 TO 97.5	0.2043E-06	82.5-187.5	0.2014E-06	45	0-105	0.1691E-05	90-195	0.1670E-05
60-75.00	0.7078E-03	-7.5 TO 97.5	0.1244E-06	82.5-187.5	0.1221E-06	60	0-105	0.1168E-05	90-195	0.1149E-05
75-85.08	0.7126E-03	-7.5 TO 97.5	0.4048E-07	82.5-187.5	0.3922E-07	75	0-105	0.5743E-06	90-195	0.5613E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0096$ $\cosh \mu_2 = 124.9520$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 119.60$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1426E-04	-7.5 TO 7.5	0.5148E-06	82.5- 97.5	0.5131E-06	0	0- 15	0.5227E-06	90-105	0.5227E-06
15-30.00	0.4166E-04	-7.5 TO 7.5	0.4791E-06	82.5- 97.5	0.4754E-06	15	0- 15	0.5060E-06	90-105	0.5032E-06
30-45.00	0.6662E-04	-7.5 TO 7.5	0.4084E-06	82.5- 97.5	0.4035E-06	30	0- 15	0.4518E-06	90-105	0.4469E-06
45-60.00	0.8683E-04	-7.5 TO 7.5	0.3087E-06	82.5- 97.5	0.3038E-06	45	0- 15	0.3649E-06	90-105	0.3592E-06
60-75.00	0.1011E-03	-7.5 TO 7.5	0.1885E-06	82.5- 97.5	0.1846E-06	60	0- 15	0.2528E-06	90-105	0.2476E-06
75-85.08	0.1018E-03	-7.5 TO 7.5	0.6172E-07	82.5- 97.5	0.5968E-07	75	0- 15	0.1247E-06	90-105	0.1212E-06
0-15.00	0.2853E-04	-7.5 TO 22.5	0.5148E-06	82.5-112.5	0.5129E-06	0	0- 30	0.1045E-05	90-120	0.1045E-05
15-30.00	0.8337E-04	-7.5 TO 22.5	0.4790E-06	82.5-112.5	0.4750E-06	15	0- 30	0.1012E-05	90-120	0.1006E-05
30-45.00	0.1332E-03	-7.5 TO 22.5	0.4083E-06	82.5-112.5	0.4029E-06	30	0- 30	0.9034E-06	90-120	0.8927E-06
45-60.00	0.1737E-03	-7.5 TO 22.5	0.3087E-06	82.5-112.5	0.3031E-06	45	0- 30	0.7295E-06	90-120	0.7170E-06
60-75.00	0.2022E-03	-7.5 TO 22.5	0.1883E-06	82.5-112.5	0.1841E-06	60	0- 30	0.5052E-06	90-120	0.4940E-06
75-85.08	0.2036E-03	-7.5 TO 22.5	0.6169E-07	82.5-112.5	0.5941E-07	75	0- 30	0.2493E-06	90-120	0.2417E-06
0-15.00	0.4285E-04	-7.5 TO 37.5	0.5147E-06	82.5-127.5	0.5127E-06	0	0- 45	0.1568E-05	90-135	0.1568E-05
15-30.00	0.1250E-03	-7.5 TO 37.5	0.4789E-06	82.5-127.5	0.4745E-06	15	0- 45	0.1517E-05	90-135	0.1508E-05
30-45.00	0.1999E-03	-7.5 TO 37.5	0.4081E-06	82.5-127.5	0.4023E-06	30	0- 45	0.1354E-05	90-135	0.1338E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.3085E-06	82.5-127.5	0.3025E-06	45	0- 45	0.1093E-05	90-135	0.1074E-05
60-75.00	0.3033E-03	-7.5 TO 37.5	0.1883E-06	82.5-127.5	0.1836E-06	60	0- 45	0.7571E-06	90-135	0.7393E-06
75-85.08	0.3054E-03	-7.5 TO 37.5	0.6160E-07	82.5-127.5	0.5917E-07	75	0- 45	0.3734E-06	90-135	0.3615E-06
0-15.00	0.5714E-04	-7.5 TO 52.5	0.5146E-06	82.5-142.5	0.5125E-06	0	0- 60	0.2091E-05	90-150	0.2091E-05
15-30.00	0.1675E-03	-7.5 TO 52.5	0.4786E-06	82.5-142.5	0.4741E-06	15	0- 60	0.2022E-05	90-150	0.2009E-05
30-45.00	0.2665E-03	-7.5 TO 52.5	0.4078E-06	82.5-142.5	0.4017E-06	30	0- 60	0.1805E-05	90-150	0.1782E-05
45-60.00	0.3473E-03	-7.5 TO 52.5	0.3082E-06	82.5-142.5	0.3020E-06	45	0- 60	0.1456E-05	90-150	0.1432E-05
60-75.00	0.4044E-03	-7.5 TO 52.5	0.1881E-06	82.5-142.5	0.1832E-06	60	0- 60	0.1008E-05	90-150	0.9838E-06
75-85.08	0.4072E-03	-7.5 TO 52.5	0.6148E-07	82.5-142.5	0.5894E-07	75	0- 60	0.4969E-06	90-150	0.4807E-06
0-15.00	0.7142E-04	-7.5 TO 67.5	0.5145E-06	82.5-157.5	0.5123E-06	0	0- 75	0.2614E-05	90-165	0.2614E-05
15-30.00	0.2094E-03	-7.5 TO 67.5	0.4784E-06	82.5-157.5	0.4737E-06	15	0- 75	0.2527E-05	90-165	0.2510E-05
30-45.00	0.3331E-03	-7.5 TO 67.5	0.4075E-06	82.5-157.5	0.4013E-06	30	0- 75	0.2254E-05	90-165	0.2225E-05
45-60.00	0.4341E-03	-7.5 TO 67.5	0.3078E-06	82.5-157.5	0.3015E-06	45	0- 75	0.1818E-05	90-165	0.1785E-05
60-75.00	0.5055E-03	-7.5 TO 67.5	0.1878E-06	82.5-157.5	0.1828E-06	60	0- 75	0.1258E-05	90-165	0.1228E-05
75-85.08	0.5090E-03	-7.5 TO 67.5	0.6132E-07	82.5-157.5	0.5874E-07	75	0- 75	0.6198E-06	90-165	0.5995E-06
0-15.00	0.8571E-04	-7.5 TO 82.5	0.5143E-06	82.5-172.5	0.5122E-06	0	0- 90	0.3136E-05	90-180	0.3136E-05
15-30.00	0.2513E-03	-7.5 TO 82.5	0.4780E-06	82.5-172.5	0.4734E-06	15	0- 90	0.3031E-05	90-180	0.3011E-05
30-45.00	0.3997E-03	-7.5 TO 82.5	0.4070E-06	82.5-172.5	0.4008E-06	30	0- 90	0.2702E-05	90-180	0.2668E-05
45-60.00	0.5210E-03	-7.5 TO 82.5	0.3073E-06	82.5-172.5	0.3010E-06	45	0- 90	0.2179E-05	90-180	0.2139E-05
60-75.00	0.6067E-03	-7.5 TO 82.5	0.1874E-06	82.5-172.5	0.1825E-06	60	0- 90	0.1507E-05	90-180	0.1471E-05
75-85.08	0.6108E-03	-7.5 TO 82.5	0.6114E-07	82.5-172.5	0.5857E-07	75	0- 90	0.7418E-06	90-180	0.7181E-06
0-15.00	0.9999E-04	-7.5 TO 97.5	0.5142E-06	82.5-187.5	0.5121E-06	0	0-105	0.3659E-05	90-195	0.3659E-05
15-30.00	0.2932E-03	-7.5 TO 97.5	0.4777E-06	82.5-187.5	0.4732E-06	15	0-105	0.3534E-05	90-195	0.3512E-05
30-45.00	0.4664E-03	-7.5 TO 97.5	0.4065E-06	82.5-187.5	0.4005E-06	30	0-105	0.3149E-05	90-195	0.3111E-05
45-60.00	0.6078E-03	-7.5 TO 97.5	0.3068E-06	82.5-187.5	0.3007E-06	45	0-105	0.2538E-05	90-195	0.2494E-05
60-75.00	0.7078E-03	-7.5 TO 97.5	0.1870E-06	82.5-187.5	0.1822E-06	60	0-105	0.1754E-05	90-195	0.1715E-05
75-85.08	0.7126E-03	-7.5 TO 97.5	0.6093E-07	82.5-187.5	0.5844E-07	75	0-105	0.8631E-06	90-195	0.8367E-06

$r_2/r_1 = 0.20$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0096$ $\cosh \mu_2 = 124.9520$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 104.56$

0-15.00	0.1426E-04	-7.5 TO 7.5	0.6399E-06	82.5- 97.5	0.6371E-06	0	0- 15	0.6490E-06	90-105	0.6490E-06
15-30.00	0.4188E-04	-7.5 TO 7.5	0.5963E-06	82.5- 97.5	0.5903E-06	15	0- 15	0.6293E-06	90-105	0.6246E-06
30-45.00	0.6662E-04	-7.5 TO 7.5	0.5091E-06	82.5- 97.5	0.5010E-06	30	0- 15	0.5629E-06	90-105	0.5546E-06
45-60.00	0.8683E-04	-7.5 TO 7.5	0.3854E-06	82.5- 97.5	0.3772E-06	45	0- 15	0.4553E-06	90-105	0.4457E-06
60-75.00	0.1011E-03	-7.5 TO 7.5	0.2356E-06	82.5- 97.5	0.2292E-06	60	0- 15	0.3157E-06	90-105	0.3071E-06
75-85.08	0.1018E-03	-7.5 TO 7.5	0.7726E-07	82.5- 97.5	0.7410E-07	75	0- 15	0.1560E-06	90-105	0.1504E-06
0-15.00	0.2857E-04	-7.5 TO 22.5	0.6399E-06	82.5-112.5	0.6367E-06	0	0- 30	0.1298E-05	90-120	0.1298E-05
15-30.00	0.8376E-04	-7.5 TO 22.5	0.5962E-06	82.5-112.5	0.5895E-06	15	0- 30	0.1258E-05	90-120	0.1248E-05
30-45.00	0.1332E-03	-7.5 TO 22.5	0.5090E-06	82.5-112.5	0.5000E-06	30	0- 30	0.1125E-05	90-120	0.1107E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.3853E-06	82.5-112.5	0.3761E-06	45	0- 30	0.9099E-06	90-120	0.8892E-06
60-75.00	0.2022E-03	-7.5 TO 22.5	0.2355E-06	82.5-112.5	0.2284E-06	60	0- 30	0.6309E-06	90-120	0.6123E-06
75-85.08	0.2036E-03	-7.5 TO 22.5	0.7721E-07	82.5-112.5	0.7369E-07	75	0- 30	0.3116E-06	90-120	0.2996E-06
0-15.00	0.4285E-04	-7.5 TO 37.5	0.6398E-06	82.5-127.5	0.6363E-06	0	0- 45	0.1947E-05	90-135	0.1947E-05
15-30.00	0.1256E-03	-7.5 TO 37.5	0.5960E-06	82.5-127.5	0.5887E-06	15	0- 45	0.1887E-05	90-135	0.1871E-05
30-45.00	0.1999E-03	-7.5 TO 37.5	0.5087E-06	82.5-127.5	0.4990E-06	30	0- 45	0.1687E-05	90-135	0.1659E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.3849E-06	82.5-127.5	0.3751E-06	45	0- 45	0.1364E-05	90-135	0.1331E-05
60-75.00	0.3033E-03	-7.5 TO 37.5	0.2352E-06	82.5-127.5	0.2278E-06	60	0- 45	0.9451E-06	90-135	0.9159E-06
75-85.08	0.3054E-03	-7.5 TO 37.5	0.7708E-07	82.5-127.5	0.7331E-07	75	0- 45	0.4666E-06	90-135	0.4476E-06
0-15.00	0.5714E-04	-7.5 TO 52.5	0.6398E-06	82.5-142.5	0.6360E-06	0	0- 60	0.2596E-05	90-150	0.2596E-05
15-30.00	0.1675E-03	-7.5 TO 52.5	0.5956E-06	82.5-142.5	0.5881E-06	15	0- 60	0.2514E-05	90-150	0.2492E-05
30-45.00	0.2665E-03	-7.5 TO 52.5	0.5082E-06	82.5-142.5	0.4980E-06	30	0- 60	0.2247E-05	90-150	0.2208E-05
45-60.00	0.3473E-03	-7.5 TO 52.5	0.3844E-06	82.5-142.5	0.3742E-06	45	0- 60	0.1815E-05	90-150	0.1771E-05
60-75.00	0.4044E-03	-7.5 TO 52.5	0.2349E-06	82.5-142.5	0.2269E-06	60	0- 60	0.1258E-05	90-150	0.1218E-05
75-85.08	0.4072E-03	-7.5 TO 52.5	0.7689E-07	82.5-142.5	0.7296E-07	75	0- 60	0.6207E-06	90-150	0.5948E-06
0-15.00	0.7142E-04	-7.5 TO 67.5	0.6394E-06	82.5-157.5	0.6357E-06	0	0- 75	0.3245E-05	90-165	0.3245E-05
15-30.00	0.2094E-03	-7.5 TO 67.5	0.5952E-06	82.5-157.5	0.5875E-06	15	0- 75	0.3141E-05	90-165	0.3114E-05
30-45.00	0.3331E-03	-7.5 TO 67.5	0.5074E-06	82.5-157.5	0.4972E-06	30	0- 75	0.2805E-05	90-165	0.2757E-05
45-60.00	0.4341E-03	-7.5 TO 67.5	0.3838E-06	82.5-157.5	0.3733E-06	45	0- 75	0.2266E-05	90-165	0.2210E-05
60-75.00	0.5055E-03	-7.5 TO 67.5	0.2344E-06	82.5-157.5	0.2262E-06	60	0- 75	0.1569E-05	90-165	0.1519E-05
75-85.08	0.5090E-03	-7.5 TO 67.5	0.7665E-07	82.5-157.5	0.7265E-07	75	0- 75	0.7736E-06	90-165	0.7413E-06
0-15.00	0.8571E-04	-7.5 TO 82.5	0.6391E-06	82.5-172.5	0.6355E-06	0	0- 90	0.3894E-05	90-180	0.3894E-05
15-30.00	0.2513E-03	-7.5 TO 82.5	0.5946E-06	82.5-172.5	0.5869E-06	15	0- 90	0.3767E-05	90-180	0.3734E-05
30-45.00	0.3997E-03	-7.5 TO 82.5	0.5068E-06	82.5-172.5	0.4965E-06	30	0- 90	0.3362E-05	90-180	0.3305E-05
45-60.00	0.5210E-03	-7.5 TO 82.5	0.3831E-06	82.5-172.5	0.3727E-06	45	0- 90	0.2713E-05	90-180	0.2648E-05
60-75.00	0.6067E-03	-7.5 TO 82.5	0.2338E-06	82.5-172.5	0.2257E-06	60	0- 90	0.1878E-05	90-180	0.1820E-05
75-85.08	0.6108E-03	-7.5 TO 82.5	0.7636E-07	82.5-172.5	0.7239E-07	75	0- 90	0.9253E-06	90-180	0.8875E-06
0-15.00	0.9999E-04	-7.5 TO 97.5	0.6388E-06	82.5-187.5	0.6353E-06	0	0-105	0.4543E-05	90-195	0.4543E-05
15-30.00	0.2932E-03	-7.5 TO 97.5	0.5940E-06	82.5-187.5	0.5866E-06	15	0-105	0.4391E-05	90-195	0.4355E-05
30-45.00	0.4664E-03	-7.5 TO 97.5	0.5060E-06	82.5-187.5	0.4960E-06	30	0-105	0.3916E-05	90-195	0.3856E-05
45-60.00	0.6078E-03	-7.5 TO 97.5	0.3822E-06	82.5-187.5	0.3721E-06	45	0-105	0.3159E-05	90-195	0.3086E-05
60-75.00	0.7078E-03	-7.5 TO 97.5	0.2331E-06	82.5-187.5	0.2253E-06	60	0-105	0.2185E-05	90-195	0.2120E-05
75-85.08	0.7126E-03	-7.5 TO 97.5	0.7604E-07	82.5-187.5	0.7220E-07	75	0-105	0.1076E-05	90-195	0.1034E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

r_2/r_1 = 0.20 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0096 $\cosh \mu_2$ = 124.9520 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 89.54

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1428E-04	-7.5 TO 7.5	0.6855E-06	82.5- 97.5	0.6814E-06	0	0- 15	0.6942E-06	90-105	0.6942E-06
15-30.00	0.4188E-04	-7.5 TO 7.5	0.6400E-06	82.5- 97.5	0.6313E-06	15	0- 15	0.6746E-06	90-105	0.6678E-06
30-45.00	0.6662E-04	-7.5 TO 7.5	0.5475E-06	82.5- 97.5	0.5359E-06	30	0- 15	0.6047E-06	90-105	0.5929E-06
45-60.00	0.8683E-04	-7.5 TO 7.5	0.4151E-06	82.5- 97.5	0.4034E-06	45	0- 15	0.4900E-06	90-105	0.4763E-06
60-75.00	0.1011E-03	-7.5 TO 7.5	0.2540E-06	82.5- 97.5	0.2451E-06	60	0- 15	0.3402E-06	90-105	0.3282E-06
75-85.08	0.1018E-03	-7.5 TO 7.5	0.8340E-07	82.5- 97.5	0.7925E-07	75	0- 15	0.1683E-06	90-105	0.1607E-06
0-15.00	0.2857E-04	-7.5 TO 22.5	0.6854E-06	82.5-112.5	0.6808E-06	0	0- 30	0.1388E-05	90-120	0.1388E-05
15-30.00	0.8376E-04	-7.5 TO 22.5	0.6399E-06	82.5-112.5	0.6302E-06	15	0- 30	0.1349E-05	90-120	0.1334E-05
30-45.00	0.1332E-03	-7.5 TO 22.5	0.5473E-06	82.5-112.5	0.5344E-06	30	0- 30	0.1209E-05	90-120	0.1183E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.4149E-06	82.5-112.5	0.4019E-06	45	0- 30	0.9791E-06	90-120	0.9495E-06
60-75.00	0.2022E-03	-7.5 TO 22.5	0.2539E-06	82.5-112.5	0.2440E-06	60	0- 30	0.6798E-06	90-120	0.6537E-06
75-85.08	0.2036E-03	-7.5 TO 22.5	0.8332E-07	82.5-112.5	0.7873E-07	75	0- 30	0.3361E-06	90-120	0.3197E-06
0-15.00	0.4285E-04	-7.5 TO 37.5	0.6852E-06	82.5-127.5	0.6803E-06	0	0- 45	0.2082E-05	90-135	0.2082E-05
15-30.00	0.1256E-03	-7.5 TO 37.5	0.6396E-06	82.5-127.5	0.6291E-06	15	0- 45	0.2022E-05	90-135	0.1999E-05
30-45.00	0.1998E-03	-7.5 TO 37.5	0.5468E-06	82.5-127.5	0.5329E-06	30	0- 45	0.1811E-05	90-135	0.1771E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.4144E-06	82.5-127.5	0.4005E-06	45	0- 45	0.1467E-05	90-135	0.1420E-05
60-75.00	0.3033E-03	-7.5 TO 37.5	0.2535E-06	82.5-127.5	0.2429E-06	60	0- 45	0.1018E-05	90-135	0.9768E-06
75-85.08	0.3054E-03	-7.5 TO 37.5	0.8316E-07	82.5-127.5	0.7824E-07	75	0- 45	0.5030E-06	90-135	0.4772E-06
0-15.00	0.5714E-04	-7.5 TO 52.5	0.6850E-06	82.5-142.5	0.6799E-06	0	0- 60	0.2777E-05	90-150	0.2777E-05
15-30.00	0.1675E-03	-7.5 TO 52.5	0.6390E-06	82.5-142.5	0.6282E-06	15	0- 60	0.2694E-05	90-150	0.2663E-05
30-45.00	0.2665E-03	-7.5 TO 52.5	0.5462E-06	82.5-142.5	0.5316E-06	30	0- 60	0.2412E-05	90-150	0.2357E-05
45-60.00	0.3473E-03	-7.5 TO 52.5	0.4137E-06	82.5-142.5	0.3992E-06	45	0- 60	0.1952E-05	90-150	0.1888E-05
60-75.00	0.4044E-03	-7.5 TO 52.5	0.2530E-06	82.5-142.5	0.2420E-06	60	0- 60	0.1354E-05	90-150	0.1298E-05
75-85.08	0.4072E-03	-7.5 TO 52.5	0.8291E-07	82.5-142.5	0.7778E-07	75	0- 60	0.6687E-06	90-150	0.6336E-06
0-15.00	0.7142E-04	-7.5 TO 67.5	0.6847E-06	82.5-157.5	0.6795E-06	0	0- 75	0.3471E-05	90-165	0.3471E-05
15-30.00	0.2094E-03	-7.5 TO 67.5	0.6384E-06	82.5-157.5	0.6273E-06	15	0- 75	0.3365E-05	90-165	0.3326E-05
30-45.00	0.3331E-03	-7.5 TO 67.5	0.5453E-06	82.5-157.5	0.5305E-06	30	0- 75	0.3010E-05	90-165	0.2942E-05
45-60.00	0.4341E-03	-7.5 TO 67.5	0.4128E-06	82.5-157.5	0.3980E-06	45	0- 75	0.2434E-05	90-165	0.2355E-05
60-75.00	0.5055E-03	-7.5 TO 67.5	0.2523E-06	82.5-157.5	0.2411E-06	60	0- 75	0.1688E-05	90-165	0.1618E-05
75-85.08	0.5090E-03	-7.5 TO 67.5	0.8259E-07	82.5-157.5	0.7739E-07	75	0- 75	0.8328E-06	90-165	0.7891E-06
0-15.00	0.8571E-04	-7.5 TO 82.5	0.6843E-06	82.5-172.5	0.6791E-06	0	0- 90	0.4165E-05	90-180	0.4165E-05
15-30.00	0.2513E-03	-7.5 TO 82.5	0.6376E-06	82.5-172.5	0.6266E-06	15	0- 90	0.4035E-05	90-180	0.3988E-05
30-45.00	0.3997E-03	-7.5 TO 82.5	0.5442E-06	82.5-172.5	0.5295E-06	30	0- 90	0.3606E-05	90-180	0.3526E-05
45-60.00	0.5210E-03	-7.5 TO 82.5	0.4118E-06	82.5-172.5	0.3971E-06	45	0- 90	0.2914E-05	90-180	0.2821E-05
60-75.00	0.6067E-03	-7.5 TO 82.5	0.2515E-06	82.5-172.5	0.2404E-06	60	0- 90	0.2019E-05	90-180	0.1937E-05
75-85.08	0.6106E-03	-7.5 TO 82.5	0.8221E-07	82.5-172.5	0.7706E-07	75	0- 90	0.9952E-06	90-180	0.9441E-06
0-15.00	0.9999E-04	-7.5 TO 97.5	0.6839E-06	82.5-187.5	0.6789E-06	0	0-105	0.4859E-05	90-195	0.4859E-05
15-30.00	0.2932E-03	-7.5 TO 97.5	0.6367E-06	82.5-187.5	0.6260E-06	15	0-105	0.4703E-05	90-195	0.4651E-05
30-45.00	0.4664E-03	-7.5 TO 97.5	0.5430E-06	82.5-187.5	0.5288E-06	30	0-105	0.4199E-05	90-195	0.4109E-05
45-60.00	0.6078E-03	-7.5 TO 97.5	0.4106E-06	82.5-187.5	0.3964E-06	45	0-105	0.3390E-05	90-195	0.3287E-05
60-75.00	0.7078E-03	-7.5 TO 97.5	0.2506E-06	82.5-187.5	0.2398E-06	60	0-105	0.2347E-05	90-195	0.2256E-05
75-85.08	0.7126E-03	-7.5 TO 97.5	0.8179E-07	82.5-187.5	0.7680E-07	75	0-105	0.1156E-05	90-195	0.1099E-05

r_2/r_1 = 0.20 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0096 $\cosh \mu_2$ = 124.9520 $\alpha_{2,max}$ = 90.92 $\theta_{2,min}$ = 88.62

0-15.00	0.1428E-04	-7.5 TO 7.5	0.6855E-06	82.5- 97.5	0.6814E-06	0	0- 15	0.6942E-06	90-105	0.6942E-06
15-30.00	0.4188E-04	-7.5 TO 7.5	0.6401E-06	82.5- 97.5	0.6313E-06	15	0- 15	0.6746E-06	90-105	0.6678E-06
30-45.00	0.6662E-04	-7.5 TO 7.5	0.5475E-06	82.5- 97.5	0.5359E-06	30	0- 15	0.6047E-06	90-105	0.5929E-06
45-60.00	0.8683E-04	-7.5 TO 7.5	0.4151E-06	82.5- 97.5	0.4034E-06	45	0- 15	0.4900E-06	90-105	0.4763E-06
60-75.00	0.1011E-03	-7.5 TO 7.5	0.2541E-06	82.5- 97.5	0.2451E-06	60	0- 15	0.3403E-06	90-105	0.3282E-06
75-85.08	0.1018E-03	-7.5 TO 7.5	0.8342E-07	82.5- 97.5	0.7925E-07	75	0- 15	0.1683E-06	90-105	0.1607E-06
0-15.00	0.2857E-04	-7.5 TO 22.5	0.6854E-06	82.5-112.5	0.6808E-06	0	0- 30	0.1388E-05	90-120	0.1388E-05
15-30.00	0.8376E-04	-7.5 TO 22.5	0.6399E-06	82.5-112.5	0.6302E-06	15	0- 30	0.1349E-05	90-120	0.1334E-05
30-45.00	0.1332E-03	-7.5 TO 22.5	0.5473E-06	82.5-112.5	0.5344E-06	30	0- 30	0.1209E-05	90-120	0.1183E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.4149E-06	82.5-112.5	0.4019E-06	45	0- 30	0.9792E-06	90-120	0.9495E-06
60-75.00	0.2022E-03	-7.5 TO 22.5	0.2539E-06	82.5-112.5	0.2440E-06	60	0- 30	0.6799E-06	90-120	0.6537E-06
75-85.08	0.2036E-03	-7.5 TO 22.5	0.8334E-07	82.5-112.5	0.7873E-07	75	0- 30	0.3362E-06	90-120	0.3197E-06
0-15.00	0.4285E-04	-7.5 TO 37.5	0.6852E-06	82.5-127.5	0.6803E-06	0	0- 45	0.2082E-05	90-135	0.2082E-05
15-30.00	0.1256E-03	-7.5 TO 37.5	0.6396E-06	82.5-127.5	0.6291E-06	15	0- 45	0.2022E-05	90-135	0.1999E-05
30-45.00	0.1998E-03	-7.5 TO 37.5	0.5469E-06	82.5-127.5	0.5329E-06	30	0- 45	0.1811E-05	90-135	0.1771E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.4145E-06	82.5-127.5	0.4005E-06	45	0- 45	0.1467E-05	90-135	0.1420E-05
60-75.00	0.3033E-03	-7.5 TO 37.5	0.2536E-06	82.5-127.5	0.2429E-06	60	0- 45	0.1018E-05	90-135	0.9768E-06
75-85.08	0.3054E-03	-7.5 TO 37.5	0.8318E-07	82.5-127.5	0.7824E-07	75	0- 45	0.5031E-06	90-135	0.4772E-06
0-15.00	0.5714E-04	-7.5 TO 52.5	0.6850E-06	82.5-142.5	0.6799E-06	0	0- 60	0.2777E-05	90-150	0.2777E-05
15-30.00	0.1675E-03	-7.5 TO 52.5	0.6390E-06	82.5-142.5	0.6282E-06	15	0- 60	0.2694E-05	90-150	0.2663E-05
30-45.00	0.2665E-03	-7.5 TO 52.5	0.5462E-06	82.5-142.5	0.5316E-06	30	0- 60	0.2412E-05	90-150	0.2357E-05
45-60.00	0.3473E-03	-7.5 TO 52.5	0.4138E-06	82.5-142.5	0.3992E-06	45	0- 60	0.1952E-05	90-150	0.1888E-05
60-75.00	0.4044E-03	-7.5 TO 52.5	0.2530E-06	82.5-142.5	0.2420E-06	60	0- 60	0.1354E-05	90-150	0.1298E-05
75-85.08	0.4072E-03	-7.5 TO 52.5	0.8293E-07	82.5-142.5	0.7778E-07	75	0- 60	0.6688E-06	90-150	0.6336E-06
0-15.00	0.7142E-04	-7.5 TO 67.5	0.6847E-06	82.5-157.5	0.6795E-06	0	0- 75	0.3471E-05	90-165	0.3471E-05
15-30.00	0.2094E-03	-7.5 TO 67.5	0.6384E-06	82.5-157.5	0.6273E-06	15	0- 75	0.3365E-05	90-165	0.3326E-05
30-45.00	0.3331E-03	-7.5 TO 67.5	0.5453E-06	82.5-157.5	0.5305E-06	30	0- 75	0.3010E-05	90-165	0.2942E-05
45-60.00	0.4341E-03	-7.5 TO 67.5	0.4129E-06	82.5-157.5	0.3980E-06	45	0- 75	0.2435E-05	90-165	0.2355E-05
60-75.00	0.5055E-03	-7.5 TO 67.5	0.2523E-06	82.5-157.5	0.2411E-06	60	0- 75	0.1688E-05	90-165	0.1618E-05
75-85.08	0.5090E-03	-7.5 TO 67.5	0.8261E-07	82.5-157.5	0.7739E-07	75	0- 75	0.8329E-06	90-165	0.7891E-06
0-15.00	0.8571E-04	-7.5 TO 82.5	0.6843E-06	82.5-172.5	0.6791E-06	0	0- 90	0.4165E-05	90-180	0.4165E-05
15-30.00	0.2513E-03	-7.5 TO 82.5	0.6376E-06	82.5-172.5	0.6266E-06	15	0- 90	0.4035E-05	90-180	0.3988E-05
30-45.00	0.3997E-03	-7.5 TO 82.5	0.5442E-06	82.5-172.5	0.5295E-06	30	0- 90	0.3606E-05	90-180	0.3526E-05
45-60.00	0.5210E-03	-7.5 TO 82.5	0.4118E-06	82.5-172.5	0.3971E-06	45	0- 90	0.2914E-05	90-180	0.2821E-05
60-75.00	0.6067E-03	-7.5 TO 82.5	0.2515E-06	82.5-172.5	0.2404E-06	60	0- 90	0.2019E-05	90-180	0.1937E-05
75-85.08	0.6106E-03	-7.5 TO 82.5	0.8222E-07	82.5-172.5	0.7706E-07	75	0- 90	0.9953E-06	90-180	0.9441E-06
0-15.00	0.9999E-04	-7.5 TO 97.5	0.6839E-06	82.5-187.5	0.6789E-06	0	0-105	0.4859E-05	90-195	0.4859E-05
15-30.00	0.2932E-03	-7.5 TO 97.5	0.6367E-06	82.5-187.5	0.6260E-06	15	0-105	0.4703E-05	90-195	0.4651E-05
30-45.00	0.4664E-03	-7.5 TO 97.5	0.5430E-06	82.5-187.5	0.5288E-06	30	0-105	0.4199E-05	90-195	0.4109E-05
45-60.00	0.6078E-03	-7.5 TO 97.5	0.4106E-06	82.5-187.5	0.3964E-06	45	0-105	0.3390E-05	90-195	0.3287E-05
60-75.00	0.7078E-03	-7.5 TO 97.5	0.2506E-06	82.5-187.5	0.2398E-06	60	0-105	0.2347E-05	90-195	0.2256E-05
75-85.08	0.7126E-03	-7.5 TO 97.5	0.8180E-07	82.5-187.5	0.7680E-07	75	0-105	0.1156E-05	90-195	0.1099E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

r_2/r_1 = 0.20 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0048 $\cosh \mu_2$ = 249.9760 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 164.94

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3565E-05	-7.5 TO 7.5	0.1124E-07	82.5- 97.5	0.1123E-07	0	0- 15	0.1144E-07	90-105	0.1144E-07
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1045E-07	82.5- 97.5	0.1044E-07	15	0- 15	0.1104E-07	90-105	0.1103E-07
30-45.00	0.1665E-04	-7.5 TO 7.5	0.8925E-08	82.5- 97.5	0.8913E-08	30	0- 15	0.9858E-08	90-105	0.9846E-08
45-60.00	0.2165E-04	-7.5 TO 7.5	0.6787E-08	82.5- 97.5	0.6775E-08	45	0- 15	0.7993E-08	90-105	0.7979E-08
60-75.00	0.2526E-04	-7.5 TO 7.5	0.4199E-08	82.5- 97.5	0.4189E-08	60	0- 15	0.5586E-08	90-105	0.5573E-08
75-89.54	0.2627E-04	-7.5 TO 7.5	0.1398E-08	82.5- 97.5	0.1392E-08	75	0- 15	0.2818E-08	90-105	0.2809E-08
0-15.00	0.7138E-05	-7.5 TO 22.5	0.1124E-07	82.5-112.5	0.1123E-07	0	0- 30	0.2287E-07	90-120	0.2287E-07
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1045E-07	82.5-112.5	0.1044E-07	15	0- 30	0.2207E-07	90-120	0.2206E-07
30-45.00	0.3329E-04	-7.5 TO 22.5	0.8924E-08	82.5-112.5	0.8911E-08	30	0- 30	0.1972E-07	90-120	0.1969E-07
45-60.00	0.4330E-04	-7.5 TO 22.5	0.6787E-08	82.5-112.5	0.6773E-08	45	0- 30	0.1599E-07	90-120	0.1595E-07
60-75.00	0.5052E-04	-7.5 TO 22.5	0.4199E-08	82.5-112.5	0.4187E-08	60	0- 30	0.1117E-07	90-120	0.1114E-07
75-89.54	0.5254E-04	-7.5 TO 22.5	0.1398E-08	82.5-112.5	0.1391E-08	75	0- 30	0.5636E-08	90-120	0.5615E-08
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1124E-07	82.5-127.5	0.1123E-07	0	0- 45	0.3431E-07	90-135	0.3431E-07
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1045E-07	82.5-127.5	0.1044E-07	15	0- 45	0.3311E-07	90-135	0.3309E-07
30-45.00	0.4994E-04	-7.5 TO 37.5	0.8924E-08	82.5-127.5	0.8909E-08	30	0- 45	0.2957E-07	90-135	0.2953E-07
45-60.00	0.6506E-04	-7.5 TO 37.5	0.6787E-08	82.5-127.5	0.6772E-08	45	0- 45	0.2398E-07	90-135	0.2393E-07
60-75.00	0.7579E-04	-7.5 TO 37.5	0.4198E-08	82.5-127.5	0.4186E-08	60	0- 45	0.1675E-07	90-135	0.1671E-07
75-89.54	0.7861E-04	-7.5 TO 37.5	0.1398E-08	82.5-127.5	0.1390E-08	75	0- 45	0.8453E-08	90-135	0.8420E-08
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1124E-07	82.5-142.5	0.1123E-07	0	0- 60	0.4574E-07	90-150	0.4574E-07
15-30.00	0.4185E-04	-7.5 TO 52.5	0.1045E-07	82.5-142.5	0.1044E-07	15	0- 60	0.4414E-07	90-150	0.4411E-07
30-45.00	0.6655E-04	-7.5 TO 52.5	0.8924E-08	82.5-142.5	0.8908E-08	30	0- 60	0.3963E-07	90-150	0.3937E-07
45-60.00	0.8677E-04	-7.5 TO 52.5	0.6786E-08	82.5-142.5	0.6770E-08	45	0- 60	0.3196E-07	90-150	0.3190E-07
60-75.00	0.1010E-03	-7.5 TO 52.5	0.4198E-08	82.5-142.5	0.4185E-08	60	0- 60	0.2234E-07	90-150	0.2227E-07
75-89.54	0.1051E-03	-7.5 TO 52.5	0.1397E-08	82.5-142.5	0.1390E-08	75	0- 60	0.1127E-07	90-150	0.1122E-07
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1124E-07	82.5-157.5	0.1123E-07	0	0- 75	0.5718E-07	90-165	0.5718E-07
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1045E-07	82.5-157.5	0.1043E-07	15	0- 75	0.5518E-07	90-165	0.5514E-07
30-45.00	0.8323E-04	-7.5 TO 67.5	0.8922E-08	82.5-157.5	0.8907E-08	30	0- 75	0.4928E-07	90-165	0.4921E-07
45-60.00	0.1085E-03	-7.5 TO 67.5	0.6785E-08	82.5-157.5	0.6769E-08	45	0- 75	0.3995E-07	90-165	0.3987E-07
60-75.00	0.1263E-03	-7.5 TO 67.5	0.4197E-08	82.5-157.5	0.4184E-08	60	0- 75	0.2792E-07	90-165	0.2784E-07
75-89.54	0.1314E-03	-7.5 TO 67.5	0.1397E-08	82.5-157.5	0.1389E-08	75	0- 75	0.1408E-07	90-165	0.1402E-07
0-15.00	0.2141E-04	-7.5 TO 82.5	0.1124E-07	82.5-172.5	0.1123E-07	0	0- 90	0.6861E-07	90-180	0.6861E-07
15-30.00	0.6278E-04	-7.5 TO 82.5	0.1044E-07	82.5-172.5	0.1043E-07	15	0- 90	0.6621E-07	90-180	0.6616E-07
30-45.00	0.9987E-04	-7.5 TO 82.5	0.8921E-08	82.5-172.5	0.8906E-08	30	0- 90	0.5913E-07	90-180	0.5904E-07
45-60.00	0.1302E-03	-7.5 TO 82.5	0.6784E-08	82.5-172.5	0.6768E-08	45	0- 90	0.4793E-07	90-180	0.4783E-07
60-75.00	0.1516E-03	-7.5 TO 82.5	0.4196E-08	82.5-172.5	0.4183E-08	60	0- 90	0.3349E-07	90-180	0.3340E-07
75-89.54	0.1576E-03	-7.5 TO 82.5	0.1396E-08	82.5-172.5	0.1389E-08	75	0- 90	0.1689E-07	90-180	0.1683E-07
0-15.00	0.2498E-04	-7.5 TO 97.5	0.1124E-07	82.5-187.5	0.1123E-07	0	0-105	0.8005E-07	90-195	0.8005E-07
15-30.00	0.7325E-04	-7.5 TO 97.5	0.1044E-07	82.5-187.5	0.1043E-07	15	0-105	0.7724E-07	90-195	0.7718E-07
30-45.00	0.1165E-03	-7.5 TO 97.5	0.8920E-08	82.5-187.5	0.8905E-08	30	0-105	0.6897E-07	90-195	0.6888E-07
45-60.00	0.1518E-03	-7.5 TO 97.5	0.6783E-08	82.5-187.5	0.6767E-08	45	0-105	0.5591E-07	90-195	0.5580E-07
60-75.00	0.1768E-03	-7.5 TO 97.5	0.4195E-08	82.5-187.5	0.4182E-08	60	0-105	0.3906E-07	90-195	0.3896E-07
75-89.54	0.1839E-03	-7.5 TO 97.5	0.1396E-08	82.5-187.5	0.1388E-08	75	0-105	0.1970E-07	90-195	0.1963E-07

r_2/r_1 = 0.20 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0048 $\cosh \mu_2$ = 249.9760 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 149.89

0-15.00	0.3365E-05	-7.5 TO 7.5	0.4194E-07	82.5- 97.5	0.4191E-07	0	0- 15	0.4266E-07	90-105	0.4266E-07
15-30.00	0.1046E-04	-7.5 TO 7.5	0.3901E-07	82.5- 97.5	0.3894E-07	15	0- 15	0.4120E-07	90-105	0.4114E-07
30-45.00	0.1665E-04	-7.5 TO 7.5	0.3334E-07	82.5- 97.5	0.3325E-07	30	0- 15	0.3682E-07	90-105	0.3673E-07
45-60.00	0.2165E-04	-7.5 TO 7.5	0.2537E-07	82.5- 97.5	0.2527E-07	45	0- 15	0.2987E-07	90-105	0.2976E-07
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1570E-07	82.5- 97.5	0.1563E-07	60	0- 15	0.2088E-07	90-105	0.2078E-07
75-89.54	0.2627E-04	-7.5 TO 7.5	0.5237E-08	82.5- 97.5	0.5193E-08	75	0- 15	0.1055E-07	90-105	0.1047E-07
0-15.00	0.7136E-05	-7.5 TO 22.5	0.4194E-07	82.5-112.5	0.4190E-07	0	0- 30	0.8532E-07	90-120	0.8532E-07
15-30.00	0.2093E-04	-7.5 TO 22.5	0.3901E-07	82.5-112.5	0.3893E-07	15	0- 30	0.8239E-07	90-120	0.8228E-07
30-45.00	0.3329E-04	-7.5 TO 22.5	0.3334E-07	82.5-112.5	0.3324E-07	30	0- 30	0.7363E-07	90-120	0.7343E-07
45-60.00	0.4335E-04	-7.5 TO 22.5	0.2537E-07	82.5-112.5	0.2526E-07	45	0- 30	0.5973E-07	90-120	0.5949E-07
60-75.00	0.5052E-04	-7.5 TO 22.5	0.1570E-07	82.5-112.5	0.1562E-07	60	0- 30	0.4176E-07	90-120	0.4154E-07
75-89.54	0.5254E-04	-7.5 TO 22.5	0.5236E-08	82.5-112.5	0.5187E-08	75	0- 30	0.2109E-07	90-120	0.2093E-07
0-15.00	0.1071E-04	-7.5 TO 37.5	0.4193E-07	82.5-127.5	0.4190E-07	0	0- 45	0.1280E-06	90-135	0.1280E-06
15-30.00	0.3139E-04	-7.5 TO 37.5	0.3900E-07	82.5-127.5	0.3892E-07	15	0- 45	0.1236E-06	90-135	0.1234E-06
30-45.00	0.4994E-04	-7.5 TO 37.5	0.3334E-07	82.5-127.5	0.3323E-07	30	0- 45	0.1104E-06	90-135	0.1101E-06
45-60.00	0.6506E-04	-7.5 TO 37.5	0.2536E-07	82.5-127.5	0.2525E-07	45	0- 45	0.8958E-07	90-135	0.8920E-07
60-75.00	0.7579E-04	-7.5 TO 37.5	0.1570E-07	82.5-127.5	0.1561E-07	60	0- 45	0.6263E-07	90-135	0.6228E-07
75-89.54	0.7861E-04	-7.5 TO 37.5	0.5234E-08	82.5-127.5	0.5182E-08	75	0- 45	0.3162E-07	90-135	0.3137E-07
0-15.00	0.1428E-04	-7.5 TO 52.5	0.4193E-07	82.5-142.5	0.4189E-07	0	0- 60	0.1706E-06	90-150	0.1706E-06
15-30.00	0.4185E-04	-7.5 TO 52.5	0.3900E-07	82.5-142.5	0.3892E-07	15	0- 60	0.1648E-06	90-150	0.1645E-06
30-45.00	0.6655E-04	-7.5 TO 52.5	0.3333E-07	82.5-142.5	0.3321E-07	30	0- 60	0.1472E-06	90-150	0.1468E-06
45-60.00	0.8677E-04	-7.5 TO 52.5	0.2536E-07	82.5-142.5	0.2524E-07	45	0- 60	0.1194E-06	90-150	0.1189E-06
60-75.00	0.1010E-03	-7.5 TO 52.5	0.1570E-07	82.5-142.5	0.1560E-07	60	0- 60	0.8348E-07	90-150	0.8301E-07
75-89.54	0.1051E-03	-7.5 TO 52.5	0.5231E-08	82.5-142.5	0.5177E-08	75	0- 60	0.4214E-07	90-150	0.4181E-07
0-15.00	0.1785E-04	-7.5 TO 67.5	0.4193E-07	82.5-157.5	0.4189E-07	0	0- 75	0.2133E-06	90-165	0.2133E-06
15-30.00	0.5232E-04	-7.5 TO 67.5	0.3900E-07	82.5-157.5	0.3891E-07	15	0- 75	0.2059E-06	90-165	0.2056E-06
30-45.00	0.8323E-04	-7.5 TO 67.5	0.3332E-07	82.5-157.5	0.3321E-07	30	0- 75	0.1840E-06	90-165	0.1835E-06
45-60.00	0.1085E-03	-7.5 TO 67.5	0.2535E-07	82.5-157.5	0.2523E-07	45	0- 75	0.1492E-06	90-165	0.1486E-06
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1569E-07	82.5-157.5	0.1559E-07	60	0- 75	0.1043E-06	90-165	0.1037E-06
75-89.54	0.1314E-03	-7.5 TO 67.5	0.5228E-08	82.5-157.5	0.5172E-08	75	0- 75	0.5265E-07	90-165	0.5223E-07
0-15.00	0.2141E-04	-7.5 TO 82.5	0.4193E-07	82.5-172.5	0.4189E-07	0	0- 90	0.2560E-06	90-180	0.2560E-06
15-30.00	0.6278E-04	-7.5 TO 82.5	0.3899E-07	82.5-172.5	0.3890E-07	15	0- 90	0.2471E-06	90-180	0.2467E-06
30-45.00	0.9987E-04	-7.5 TO 82.5	0.3331E-07	82.5-172.5	0.3320E-07	30	0- 90	0.2207E-06	90-180	0.2201E-06
45-60.00	0.1302E-03	-7.5 TO 82.5	0.2534E-07	82.5-172.5	0.2522E-07	45	0- 90	0.1790E-06	90-180	0.1783E-06
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1568E-07	82.5-172.5	0.1558E-07	60	0- 90	0.1251E-06	90-180	0.1244E-06
75-89.54	0.1576E-03	-7.5 TO 82.5	0.5224E-08	82.5-172.5	0.5169E-08	75	0- 90	0.6314E-07	90-180	0.6265E-07
0-15.00	0.2498E-04	-7.5 TO 97.5	0.4192E-07	82.5-187.5	0.4189E-07	0	0-105	0.2986E-06	90-195	0.2986E-06
15-30.00	0.7325E-04	-7.5 TO 97.5	0.3898E-07	82.5-187.5	0.3890E-07	15	0-105	0.2882E-06	90-195	0.2878E-06
30-45.00	0.1165E-03	-7.5 TO 97.5	0.3330E-07	82.5-187.5	0.3319E-07	30	0-105	0.2575E-06	90-195	0.2568E-06
45-60.00	0.1518E-03	-7.5 TO 97.5	0.2533E-07	82.5-187.5	0.2522E-07	45	0-105	0.2088E-06	90-195	0.2079E-06
60-75.00	0.1768E-03	-7.5 TO 97.5	0.1567E-07	82.5-187.5	0.1558E-07	60	0-105	0.1459E-06	90-195	0.1451E-06
75-89.54	0.1839E-03	-7.5 TO 97.5	0.5220E-08	82.5-187.5	0.5166E-08	75	0-105	0.7361E-07	90-195	0.7307E-07

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0048$ $\cosh \mu_2 = 249.9760$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 134.84$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3565E-05	-7.5 TO 7.5	0.8385E-07	82.5- 97.5	0.8376E-07	0	0- 15	0.8527E-07	90-105	0.8527E-07
15-30.00	0.1046E-04	-7.5 TO 7.5	0.7804E-07	82.5- 97.5	0.7783E-07	15	0- 15	0.8239E-07	90-105	0.8223E-07
30-45.00	0.1665E-04	-7.5 TO 7.5	0.6674E-07	82.5- 97.5	0.6645E-07	30	0- 15	0.7368E-07	90-105	0.7339E-07
45-60.00	0.2216E-04	-7.5 TO 7.5	0.5081E-07	82.5- 97.5	0.5051E-07	45	0- 15	0.5980E-07	90-105	0.5947E-07
60-75.00	0.2526E-04	-7.5 TO 7.5	0.3147E-07	82.5- 97.5	0.3123E-07	60	0- 15	0.4184E-07	90-105	0.4153E-07
75-89.54	0.2627E-04	-7.5 TO 7.5	0.1051E-07	82.5- 97.5	0.1038E-07	75	0- 15	0.2114E-07	90-105	0.2093E-07
0-15.00	0.7138E-05	-7.5 TO 22.5	0.8385E-07	82.5-112.5	0.8374E-07	0	0- 30	0.1705E-06	90-120	0.1705E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.7804E-07	82.5-112.5	0.7781E-07	15	0- 30	0.1648E-06	90-120	0.1644E-06
30-45.00	0.3332E-04	-7.5 TO 22.5	0.6673E-07	82.5-112.5	0.6642E-07	30	0- 30	0.1473E-06	90-120	0.1467E-06
45-60.00	0.4433E-04	-7.5 TO 22.5	0.5080E-07	82.5-112.5	0.5048E-07	45	0- 30	0.1196E-06	90-120	0.1189E-06
60-75.00	0.5052E-04	-7.5 TO 22.5	0.3147E-07	82.5-112.5	0.3120E-07	60	0- 30	0.8366E-07	90-120	0.8298E-07
75-89.54	0.5254E-04	-7.5 TO 22.5	0.1051E-07	82.5-112.5	0.1036E-07	75	0- 30	0.4227E-07	90-120	0.4180E-07
0-15.00	0.1071E-04	-7.5 TO 37.5	0.8385E-07	82.5-127.5	0.8373E-07	0	0- 45	0.2558E-06	90-135	0.2558E-06
15-30.00	0.3139E-04	-7.5 TO 37.5	0.7803E-07	82.5-127.5	0.7778E-07	15	0- 45	0.2471E-06	90-135	0.2466E-06
30-45.00	0.4994E-04	-7.5 TO 37.5	0.6672E-07	82.5-127.5	0.6638E-07	30	0- 45	0.2210E-06	90-135	0.2200E-06
45-60.00	0.6650E-04	-7.5 TO 37.5	0.5079E-07	82.5-127.5	0.5044E-07	45	0- 45	0.1793E-06	90-135	0.1782E-06
60-75.00	0.7579E-04	-7.5 TO 37.5	0.3146E-07	82.5-127.5	0.3117E-07	60	0- 45	0.1254E-06	90-135	0.1244E-06
75-89.54	0.7881E-04	-7.5 TO 37.5	0.1050E-07	82.5-127.5	0.1035E-07	75	0- 45	0.6338E-07	90-135	0.6264E-07
0-15.00	0.1426E-04	-7.5 TO 52.5	0.8384E-07	82.5-142.5	0.8372E-07	0	0- 60	0.3411E-06	90-150	0.3411E-06
15-30.00	0.4185E-04	-7.5 TO 52.5	0.7802E-07	82.5-142.5	0.7776E-07	15	0- 60	0.3295E-06	90-150	0.3287E-06
30-45.00	0.6659E-04	-7.5 TO 52.5	0.6670E-07	82.5-142.5	0.6635E-07	30	0- 60	0.2945E-06	90-150	0.2932E-06
45-60.00	0.8867E-04	-7.5 TO 52.5	0.5077E-07	82.5-142.5	0.5041E-07	45	0- 60	0.2390E-06	90-150	0.2374E-06
60-75.00	0.1010E-03	-7.5 TO 52.5	0.3144E-07	82.5-142.5	0.3114E-07	60	0- 60	0.1672E-06	90-150	0.1657E-06
75-89.54	0.1051E-03	-7.5 TO 52.5	0.1049E-07	82.5-142.5	0.1033E-07	75	0- 60	0.8445E-07	90-150	0.8343E-07
0-15.00	0.1782E-04	-7.5 TO 67.5	0.8384E-07	82.5-157.5	0.8371E-07	0	0- 75	0.4263E-06	90-165	0.4263E-06
15-30.00	0.5232E-04	-7.5 TO 67.5	0.7800E-07	82.5-157.5	0.7774E-07	15	0- 75	0.4118E-06	90-165	0.4108E-06
30-45.00	0.8323E-04	-7.5 TO 67.5	0.6668E-07	82.5-157.5	0.6632E-07	30	0- 75	0.3681E-06	90-165	0.3664E-06
45-60.00	0.1108E-03	-7.5 TO 67.5	0.5075E-07	82.5-157.5	0.5038E-07	45	0- 75	0.2986E-06	90-165	0.2967E-06
60-75.00	0.1263E-03	-7.5 TO 67.5	0.3142E-07	82.5-157.5	0.3112E-07	60	0- 75	0.2088E-06	90-165	0.2070E-06
75-89.54	0.1314E-03	-7.5 TO 67.5	0.1048E-07	82.5-157.5	0.1032E-07	75	0- 75	0.1055E-06	90-165	0.1042E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.8383E-07	82.5-172.5	0.8370E-07	0	0- 90	0.5116E-06	90-180	0.5116E-06
15-30.00	0.6278E-04	-7.5 TO 82.5	0.7798E-07	82.5-172.5	0.7772E-07	15	0- 90	0.4940E-06	90-180	0.4929E-06
30-45.00	0.9987E-04	-7.5 TO 82.5	0.6666E-07	82.5-172.5	0.6630E-07	30	0- 90	0.4415E-06	90-180	0.4396E-06
45-60.00	0.1330E-03	-7.5 TO 82.5	0.5072E-07	82.5-172.5	0.5035E-07	45	0- 90	0.3582E-06	90-180	0.3559E-06
60-75.00	0.1516E-03	-7.5 TO 82.5	0.3140E-07	82.5-172.5	0.3110E-07	60	0- 90	0.2504E-06	90-180	0.2483E-06
75-89.54	0.1576E-03	-7.5 TO 82.5	0.1047E-07	82.5-172.5	0.1031E-07	75	0- 90	0.1264E-06	90-180	0.1250E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.8382E-07	82.5-187.5	0.8370E-07	0	0-105	0.5969E-06	90-195	0.5969E-06
15-30.00	0.7325E-04	-7.5 TO 97.5	0.7796E-07	82.5-187.5	0.7771E-07	15	0-105	0.5763E-06	90-195	0.5750E-06
30-45.00	0.1165E-03	-7.5 TO 97.5	0.6663E-07	82.5-187.5	0.6628E-07	30	0-105	0.5149E-06	90-195	0.5128E-06
45-60.00	0.1518E-03	-7.5 TO 97.5	0.5069E-07	82.5-187.5	0.5034E-07	45	0-105	0.4176E-06	90-195	0.4151E-06
60-75.00	0.1768E-03	-7.5 TO 97.5	0.3138E-07	82.5-187.5	0.3109E-07	60	0-105	0.2920E-06	90-195	0.2896E-06
75-89.54	0.1839E-03	-7.5 TO 97.5	0.1046E-07	82.5-187.5	0.1030E-07	75	0-105	0.1474E-06	90-195	0.1457E-06

$r_2/r_1 = 0.20$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0048$ $\cosh \mu_2 = 249.9760$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 119.80$

0-15.00	0.3565E-05	-7.5 TO 7.5	0.1257E-06	82.5- 97.5	0.1255E-06	0	0- 15	0.1278E-06	90-105	0.1278E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1171E-06	82.5- 97.5	0.1167E-06	15	0- 15	0.1236E-06	90-105	0.1232E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1002E-06	82.5- 97.5	0.9960E-07	30	0- 15	0.1106E-06	90-105	0.1100E-06
45-60.00	0.2216E-04	-7.5 TO 7.5	0.7632E-07	82.5- 97.5	0.7571E-07	45	0- 15	0.8980E-07	90-105	0.8910E-07
60-75.00	0.2526E-04	-7.5 TO 7.5	0.4730E-07	82.5- 97.5	0.4681E-07	60	0- 15	0.6286E-07	90-105	0.6222E-07
75-89.54	0.2627E-04	-7.5 TO 7.5	0.1581E-07	82.5- 97.5	0.1556E-07	75	0- 15	0.3179E-07	90-105	0.3135E-07
0-15.00	0.7138E-05	-7.5 TO 22.5	0.1257E-06	82.5-112.5	0.1255E-06	0	0- 30	0.2556E-06	90-120	0.2556E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1171E-06	82.5-112.5	0.1166E-06	15	0- 30	0.2471E-06	90-120	0.2464E-06
30-45.00	0.3332E-04	-7.5 TO 22.5	0.1002E-06	82.5-112.5	0.9952E-07	30	0- 30	0.2211E-06	90-120	0.2198E-06
45-60.00	0.4433E-04	-7.5 TO 22.5	0.7631E-07	82.5-112.5	0.7563E-07	45	0- 30	0.1796E-06	90-120	0.1780E-06
60-75.00	0.5052E-04	-7.5 TO 22.5	0.4729E-07	82.5-112.5	0.4675E-07	60	0- 30	0.1257E-06	90-120	0.1243E-06
75-89.54	0.5254E-04	-7.5 TO 22.5	0.1581E-07	82.5-112.5	0.1552E-07	75	0- 30	0.6355E-07	90-120	0.6260E-07
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1257E-06	82.5-127.5	0.1255E-06	0	0- 45	0.3834E-06	90-135	0.3834E-06
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1171E-06	82.5-127.5	0.1165E-06	15	0- 45	0.3706E-06	90-135	0.3695E-06
30-45.00	0.4994E-04	-7.5 TO 37.5	0.1002E-06	82.5-127.5	0.9945E-07	30	0- 45	0.3316E-06	90-135	0.3295E-06
45-60.00	0.6650E-04	-7.5 TO 37.5	0.7629E-07	82.5-127.5	0.7556E-07	45	0- 45	0.2692E-06	90-135	0.2668E-06
60-75.00	0.7579E-04	-7.5 TO 37.5	0.4727E-07	82.5-127.5	0.4665E-07	60	0- 45	0.1884E-06	90-135	0.1862E-06
75-89.54	0.7881E-04	-7.5 TO 37.5	0.1580E-07	82.5-127.5	0.1549E-07	75	0- 45	0.9526E-07	90-135	0.9376E-07
0-15.00	0.1426E-04	-7.5 TO 52.5	0.1257E-06	82.5-142.5	0.1255E-06	0	0- 60	0.5112E-06	90-150	0.5112E-06
15-30.00	0.4185E-04	-7.5 TO 52.5	0.1170E-06	82.5-142.5	0.1165E-06	15	0- 60	0.4941E-06	90-150	0.4925E-06
30-45.00	0.6659E-04	-7.5 TO 52.5	0.1001E-06	82.5-142.5	0.9938E-07	30	0- 60	0.4420E-06	90-150	0.4392E-06
45-60.00	0.8867E-04	-7.5 TO 52.5	0.7625E-07	82.5-142.5	0.7549E-07	45	0- 60	0.3588E-06	90-150	0.3555E-06
60-75.00	0.1010E-03	-7.5 TO 52.5	0.4724E-07	82.5-142.5	0.4663E-07	60	0- 60	0.2511E-06	90-150	0.2481E-06
75-89.54	0.1051E-03	-7.5 TO 52.5	0.1578E-07	82.5-142.5	0.1546E-07	75	0- 60	0.1269E-06	90-150	0.1249E-06
0-15.00	0.1782E-04	-7.5 TO 67.5	0.1257E-06	82.5-157.5	0.1254E-06	0	0- 75	0.6390E-06	90-165	0.6390E-06
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1170E-06	82.5-157.5	0.1164E-06	15	0- 75	0.6175E-06	90-165	0.6155E-06
30-45.00	0.8323E-04	-7.5 TO 67.5	0.1001E-06	82.5-157.5	0.9932E-07	30	0- 75	0.5522E-06	90-165	0.5487E-06
45-60.00	0.1108E-03	-7.5 TO 67.5	0.7620E-07	82.5-157.5	0.7543E-07	45	0- 75	0.4482E-06	90-165	0.4441E-06
60-75.00	0.1263E-03	-7.5 TO 67.5	0.4720E-07	82.5-157.5	0.4658E-07	60	0- 75	0.3136E-06	90-165	0.3098E-06
75-89.54	0.1314E-03	-7.5 TO 67.5	0.1576E-07	82.5-157.5	0.1544E-07	75	0- 75	0.1585E-06	90-165	0.1559E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.1257E-06	82.5-172.5	0.1254E-06	0	0- 90	0.7668E-06	90-180	0.7668E-06
15-30.00	0.6278E-04	-7.5 TO 82.5	0.1170E-06	82.5-172.5	0.1164E-06	15	0- 90	0.7408E-06	90-180	0.7384E-06
30-45.00	0.9987E-04	-7.5 TO 82.5	0.1000E-06	82.5-172.5	0.9927E-07	30	0- 90	0.6623E-06	90-180	0.6583E-06
45-60.00	0.1330E-03	-7.5 TO 82.5	0.7615E-07	82.5-172.5	0.7537E-07	45	0- 90	0.5375E-06	90-180	0.5327E-06
60-75.00	0.1516E-03	-7.5 TO 82.5	0.4718E-07	82.5-172.5	0.4654E-07	60	0- 90	0.3760E-06	90-180	0.3716E-06
75-89.54	0.1576E-03	-7.5 TO 82.5	0.1574E-07	82.5-172.5	0.1542E-07	75	0- 90	0.1899E-06	90-180	0.1869E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.1257E-06	82.5-187.5	0.1254E-06	0	0-105	0.8946E-06	90-195	0.8946E-06
15-30.00	0.7325E-04	-7.5 TO 97.5	0.1169E-06	82.5-187.5	0.1164E-06	15	0-105	0.8640E-06	90-195	0.8614E-06
30-45.00	0.1165E-03	-7.5 TO 97.5	0.9996E-07	82.5-187.5	0.9923E-07	30	0-105	0.7723E-06	90-195	0.7678E-06
45-60.00	0.1518E-03	-7.5 TO 97.5	0.7608E-07	82.5-187.5	0.7534E-07	45	0-105	0.6266E-06	90-195	0.6213E-06
60-75.00	0.1768E-03	-7.5 TO 97.5	0.4711E-07	82.5-187.5	0.4651E-07	60	0-105	0.4382E-06	90-195	0.4333E-06
75-89.54	0.1839E-03	-7.5 TO 97.5	0.1571E-07	82.5-187.5	0.1540E-07	75	0-105	0.2213E-06	90-195	0.2179E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0048$ $\cosh \mu_2 = 249.9760$ $\alpha_{2,\max} = 75.00$ $\theta_{2,\min} = 104.78$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3565E-05	-7.5 TO 7.5	0.1564E-06	82.5- 97.5	0.1560E-06	0	0- 15	0.1588E-06	90-105	0.1588E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1537E-06	82.5- 97.5	0.1490E-06	15	0- 15	0.1537E-06	90-105	0.1531E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1248E-06	82.5- 97.5	0.1238E-06	30	0- 15	0.1376E-06	90-105	0.1367E-06
45-60.00	0.2165E-04	-7.5 TO 7.5	0.9510E-07	82.5- 97.5	0.9409E-07	45	0- 15	0.1119E-06	90-105	0.1107E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.5897E-07	82.5- 97.5	0.5817E-07	60	0- 15	0.7836E-07	90-105	0.7729E-07
75-89.54	0.2627E-04	-7.5 TO 7.5	0.1973E-07	82.5- 97.5	0.1933E-07	75	0- 15	0.3965E-07	90-105	0.3894E-07
0-15.00	0.7138E-05	-7.5 TO 22.5	0.1563E-06	82.5-112.5	0.1560E-06	0	0- 30	0.3176E-06	90-120	0.3176E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1457E-06	82.5-112.5	0.1449E-06	15	0- 30	0.3074E-06	90-120	0.3061E-06
30-45.00	0.3329E-04	-7.5 TO 22.5	0.1248E-06	82.5-112.5	0.1237E-06	30	0- 30	0.2752E-06	90-120	0.2731E-06
45-60.00	0.4330E-04	-7.5 TO 22.5	0.9509E-07	82.5-112.5	0.9396E-07	45	0- 30	0.2237E-06	90-120	0.2211E-06
60-75.00	0.5052E-04	-7.5 TO 22.5	0.5896E-07	82.5-112.5	0.5807E-07	60	0- 30	0.1566E-06	90-120	0.1544E-06
75-89.54	0.5254E-04	-7.5 TO 22.5	0.1973E-07	82.5-112.5	0.1928E-07	75	0- 30	0.7925E-07	90-120	0.7773E-07
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1563E-06	82.5-127.5	0.1559E-06	0	0- 45	0.4765E-06	90-135	0.4765E-06
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1457E-06	82.5-127.5	0.1448E-06	15	0- 45	0.4610E-06	90-135	0.4590E-06
30-45.00	0.4994E-04	-7.5 TO 37.5	0.1247E-06	82.5-127.5	0.1235E-06	30	0- 45	0.4127E-06	90-135	0.4093E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.9505E-07	82.5-127.5	0.9384E-07	45	0- 45	0.3353E-06	90-135	0.3313E-06
60-75.00	0.7579E-04	-7.5 TO 37.5	0.5893E-07	82.5-127.5	0.5797E-07	60	0- 45	0.2348E-06	90-135	0.2312E-06
75-89.54	0.7881E-04	-7.5 TO 37.5	0.1971E-07	82.5-127.5	0.1923E-07	75	0- 45	0.1188E-06	90-135	0.1164E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1563E-06	82.5-142.5	0.1559E-06	0	0- 60	0.6353E-06	90-150	0.6353E-06
15-30.00	0.4185E-04	-7.5 TO 52.5	0.1456E-06	82.5-142.5	0.1447E-06	15	0- 60	0.6145E-06	90-150	0.6118E-06
30-45.00	0.6659E-04	-7.5 TO 52.5	0.1247E-06	82.5-142.5	0.1234E-06	30	0- 60	0.5500E-06	90-150	0.5454E-06
45-60.00	0.8677E-04	-7.5 TO 52.5	0.9499E-07	82.5-142.5	0.9372E-07	45	0- 60	0.4468E-06	90-150	0.4413E-06
60-75.00	0.1010E-03	-7.5 TO 52.5	0.5888E-07	82.5-142.5	0.5788E-07	60	0- 60	0.3128E-06	90-150	0.3079E-06
75-89.54	0.1051E-03	-7.5 TO 52.5	0.1969E-07	82.5-142.5	0.1919E-07	75	0- 60	0.1582E-06	90-150	0.1549E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1563E-06	82.5-157.5	0.1558E-06	0	0- 75	0.7941E-06	90-165	0.7941E-06
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1456E-06	82.5-157.5	0.1446E-06	15	0- 75	0.7679E-06	90-165	0.7645E-06
30-45.00	0.8323E-04	-7.5 TO 67.5	0.1246E-06	82.5-157.5	0.1233E-06	30	0- 75	0.6871E-06	90-165	0.6813E-06
45-60.00	0.1085E-03	-7.5 TO 67.5	0.9491E-07	82.5-157.5	0.9362E-07	45	0- 75	0.5581E-06	90-165	0.5512E-06
60-75.00	0.1263E-03	-7.5 TO 67.5	0.5882E-07	82.5-157.5	0.5780E-07	60	0- 75	0.3906E-06	90-165	0.3844E-06
75-89.54	0.1314E-03	-7.5 TO 67.5	0.1966E-07	82.5-157.5	0.1915E-07	75	0- 75	0.1974E-06	90-165	0.1934E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.1563E-06	82.5-172.5	0.1558E-06	0	0- 90	0.9529E-06	90-180	0.9529E-06
15-30.00	0.6278E-04	-7.5 TO 82.5	0.1455E-06	82.5-172.5	0.1446E-06	15	0- 90	0.9211E-06	90-180	0.9172E-06
30-45.00	0.9987E-04	-7.5 TO 82.5	0.1245E-06	82.5-172.5	0.1232E-06	30	0- 90	0.8240E-06	90-180	0.8172E-06
45-60.00	0.1302E-03	-7.5 TO 82.5	0.9482E-07	82.5-172.5	0.9354E-07	45	0- 90	0.6690E-06	90-180	0.6610E-06
60-75.00	0.1516E-03	-7.5 TO 82.5	0.5874E-07	82.5-172.5	0.5774E-07	60	0- 90	0.4681E-06	90-180	0.4609E-06
75-89.54	0.1577E-03	-7.5 TO 82.5	0.1962E-07	82.5-172.5	0.1912E-07	75	0- 90	0.2366E-06	90-180	0.2318E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.1562E-06	82.5-187.5	0.1558E-06	0	0-105	0.1112E-05	90-195	0.1112E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.1454E-06	82.5-187.5	0.1445E-06	15	0-105	0.1074E-05	90-195	0.1070E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1244E-06	82.5-187.5	0.1232E-06	30	0-105	0.9607E-06	90-195	0.9531E-06
45-60.00	0.1518E-03	-7.5 TO 97.5	0.9471E-07	82.5-187.5	0.9347E-07	45	0-105	0.7797E-06	90-195	0.7708E-06
60-75.00	0.1768E-03	-7.5 TO 97.5	0.5866E-07	82.5-187.5	0.5769E-07	60	0-105	0.5454E-06	90-195	0.5374E-06
75-89.54	0.1839E-03	-7.5 TO 97.5	0.1958E-07	82.5-187.5	0.1909E-07	75	0-105	0.2755E-06	90-195	0.2702E-06

$r_2/r_1 = 0.20$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0048$ $\cosh \mu_2 = 249.9760$ $\alpha_{2,\max} = 90.00$ $\theta_{2,\min} = 89.77$

0-15.00	0.3565E-05	-7.5 TO 7.5	0.1675E-06	82.5- 97.5	0.1670E-06	0	0- 15	0.1701E-06	90-105	0.1701E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1563E-06	82.5- 97.5	0.1552E-06	15	0- 15	0.1648E-06	90-105	0.1639E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1339E-06	82.5- 97.5	0.1325E-06	30	0- 15	0.1477E-06	90-105	0.1463E-06
45-60.00	0.2165E-04	-7.5 TO 7.5	0.1022E-06	82.5- 97.5	0.1007E-06	45	0- 15	0.1202E-06	90-105	0.1185E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.6340E-07	82.5- 97.5	0.6229E-07	60	0- 15	0.8421E-07	90-105	0.8272E-07
75-89.54	0.2627E-04	-7.5 TO 7.5	0.2122E-07	82.5- 97.5	0.2070E-07	75	0- 15	0.4263E-07	90-105	0.4167E-07
0-15.00	0.7138E-05	-7.5 TO 22.5	0.1675E-06	82.5-112.5	0.1670E-06	0	0- 30	0.3401E-06	90-120	0.3401E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1563E-06	82.5-112.5	0.1551E-06	15	0- 30	0.3293E-06	90-120	0.3277E-06
30-45.00	0.3329E-04	-7.5 TO 22.5	0.1339E-06	82.5-112.5	0.1323E-06	30	0- 30	0.2953E-06	90-120	0.2922E-06
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1022E-06	82.5-112.5	0.1006E-06	45	0- 30	0.2402E-06	90-120	0.2366E-06
60-75.00	0.5052E-04	-7.5 TO 22.5	0.6338E-07	82.5-112.5	0.6214E-07	60	0- 30	0.1683E-06	90-120	0.1651E-06
75-89.54	0.5254E-04	-7.5 TO 22.5	0.2122E-07	82.5-112.5	0.2063E-07	75	0- 30	0.8521E-07	90-120	0.8313E-07
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1675E-06	82.5-127.5	0.1669E-06	0	0- 45	0.5102E-06	90-135	0.5102E-06
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1562E-06	82.5-127.5	0.1550E-06	15	0- 45	0.4941E-06	90-135	0.4913E-06
30-45.00	0.4994E-04	-7.5 TO 37.5	0.1339E-06	82.5-127.5	0.1322E-06	30	0- 45	0.4428E-06	90-135	0.4379E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.1021E-06	82.5-127.5	0.1004E-06	45	0- 45	0.3601E-06	90-135	0.3543E-06
60-75.00	0.7579E-04	-7.5 TO 37.5	0.6333E-07	82.5-127.5	0.6201E-07	60	0- 45	0.2523E-06	90-135	0.2472E-06
75-89.54	0.7881E-04	-7.5 TO 37.5	0.2119E-07	82.5-127.5	0.2057E-07	75	0- 45	0.1277E-06	90-135	0.1244E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1675E-06	82.5-142.5	0.1669E-06	0	0- 60	0.6802E-06	90-150	0.6802E-06
15-30.00	0.4185E-04	-7.5 TO 52.5	0.1562E-06	82.5-142.5	0.1548E-06	15	0- 60	0.6585E-06	90-150	0.6547E-06
30-45.00	0.6659E-04	-7.5 TO 52.5	0.1338E-06	82.5-142.5	0.1320E-06	30	0- 60	0.5900E-06	90-150	0.5833E-06
45-60.00	0.8677E-04	-7.5 TO 52.5	0.1020E-06	82.5-142.5	0.1002E-06	45	0- 60	0.4796E-06	90-150	0.4718E-06
60-75.00	0.1010E-03	-7.5 TO 52.5	0.6327E-07	82.5-142.5	0.6188E-07	60	0- 60	0.3360E-06	90-150	0.3290E-06
75-89.54	0.1051E-03	-7.5 TO 52.5	0.2116E-07	82.5-142.5	0.2051E-07	75	0- 60	0.1700E-06	90-150	0.1655E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1674E-06	82.5-157.5	0.1668E-06	0	0- 75	0.8503E-06	90-165	0.8503E-06
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1561E-06	82.5-157.5	0.1547E-06	15	0- 75	0.8228E-06	90-165	0.8181E-06
30-45.00	0.8323E-04	-7.5 TO 67.5	0.1337E-06	82.5-157.5	0.1319E-06	30	0- 75	0.7369E-06	90-165	0.7286E-06
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1019E-06	82.5-157.5	0.1001E-06	45	0- 75	0.5989E-06	90-165	0.5891E-06
60-75.00	0.1263E-03	-7.5 TO 67.5	0.6318E-07	82.5-157.5	0.6177E-07	60	0- 75	0.4194E-06	90-165	0.4107E-06
75-89.54	0.1314E-03	-7.5 TO 67.5	0.2112E-07	82.5-157.5	0.2046E-07	75	0- 75	0.2121E-06	90-165	0.2065E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.1674E-06	82.5-172.5	0.1668E-06	0	0- 90	0.1020E-05	90-180	0.1020E-05
15-30.00	0.6278E-04	-7.5 TO 82.5	0.1560E-06	82.5-172.5	0.1546E-06	15	0- 90	0.9870E-06	90-180	0.9814E-06
30-45.00	0.9987E-04	-7.5 TO 82.5	0.1335E-06	82.5-172.5	0.1318E-06	30	0- 90	0.8835E-06	90-180	0.8737E-06
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1018E-06	82.5-172.5	0.9996E-07	45	0- 90	0.7177E-06	90-180	0.7064E-06
60-75.00	0.1516E-03	-7.5 TO 82.5	0.6308E-07	82.5-172.5	0.6166E-07	60	0- 90	0.5024E-06	90-180	0.4923E-06
75-89.54	0.1576E-03	-7.5 TO 82.5	0.2107E-07	82.5-172.5	0.2042E-07	75	0- 90	0.2540E-06	90-180	0.2475E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.1673E-06	82.5-187.5	0.1667E-06	0	0-105	0.1190E-05	90-195	0.1190E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.1559E-06	82.5-187.5	0.1546E-06	15	0-105	0.1151E-05	90-195	0.1145E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1334E-06	82.5-187.5	0.1317E-06	30	0-105	0.1030E-05	90-195	0.1019E-05
45-60.00	0.1518E-03	-7.5 TO 97.5	0.1016E-06	82.5-187.5	0.9987E-07	45	0-105	0.8362E-06	90-195	0.8236E-06
60-75.00	0.1768E-03	-7.5 TO 97.5	0.6297E-07	82.5-187.5	0.6161E-07	60	0-105	0.5852E-06	90-195	0.5739E-06
75-89.54	0.1839E-03	-7.5 TO 97.5	0.2102E-07	82.5-187.5	0.2038E-07	75	0-105	0.2957E-06	90-195	0.2884E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Concluded. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0048$ $\cosh \mu_2 = 249.9760$ $\alpha_{2,max} = 90.46$ $\theta_{2,min} = 89.31$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3565E-05	-7.5 TO 7.5	0.1675E-06	82.5- 97.5	0.1670E-06	0	0- 15	0.1701E-06	90-105	0.1701E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1563E-06	82.5- 97.5	0.1552E-06	15	0- 15	0.1648E-06	90-105	0.1639E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1340E-06	82.5- 97.5	0.1325E-06	30	0- 15	0.1477E-06	90-105	0.1463E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.1022E-06	82.5- 97.5	0.1007E-06	45	0- 15	0.1202E-06	90-105	0.1185E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.6340E-07	82.5- 97.5	0.6229E-07	60	0- 15	0.8422E-07	90-105	0.8272E-07
75-89.54	0.2667E-04	-7.5 TO 7.5	0.2123E-07	82.5- 97.5	0.2070E-07	75	0- 15	0.4264E-07	90-105	0.4167E-07
0-15.00	0.7136E-05	-7.5 TO 22.5	0.1675E-06	82.5-112.5	0.1670E-06	0	0- 30	0.3401E-06	90-120	0.3401E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1563E-06	82.5-112.5	0.1551E-06	15	0- 30	0.3295E-06	90-120	0.3277E-06
30-45.00	0.3329E-04	-7.5 TO 22.5	0.1339E-06	82.5-112.5	0.1323E-06	30	0- 30	0.2953E-06	90-120	0.2922E-06
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1022E-06	82.5-112.5	0.1006E-06	45	0- 30	0.2402E-06	90-120	0.2366E-06
60-75.00	0.5052E-04	-7.5 TO 22.5	0.6338E-07	82.5-112.5	0.6214E-07	60	0- 30	0.1683E-06	90-120	0.1651E-06
75-89.54	0.5254E-04	-7.5 TO 22.5	0.2122E-07	82.5-112.5	0.2063E-07	75	0- 30	0.8521E-07	90-120	0.8313E-07
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1675E-06	82.5-127.5	0.1669E-06	0	0- 45	0.5102E-06	90-135	0.5102E-06
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1562E-06	82.5-127.5	0.1550E-06	15	0- 45	0.4941E-06	90-135	0.4913E-06
30-45.00	0.4995E-04	-7.5 TO 37.5	0.1339E-06	82.5-127.5	0.1322E-06	30	0- 45	0.4428E-06	90-135	0.4379E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.1021E-06	82.5-127.5	0.1004E-06	45	0- 45	0.3601E-06	90-135	0.3543E-06
60-75.00	0.7579E-04	-7.5 TO 37.5	0.6334E-07	82.5-127.5	0.6201E-07	60	0- 45	0.2523E-06	90-135	0.2472E-06
75-89.54	0.7881E-04	-7.5 TO 37.5	0.2120E-07	82.5-127.5	0.2057E-07	75	0- 45	0.1277E-06	90-135	0.1244E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1675E-06	82.5-142.5	0.1669E-06	0	0- 60	0.6802E-06	90-150	0.6802E-06
15-30.00	0.4185E-04	-7.5 TO 52.5	0.1562E-06	82.5-142.5	0.1548E-06	15	0- 60	0.6585E-06	90-150	0.6547E-06
30-45.00	0.6658E-04	-7.5 TO 52.5	0.1338E-06	82.5-142.5	0.1320E-06	30	0- 60	0.5900E-06	90-150	0.5833E-06
45-60.00	0.8677E-04	-7.5 TO 52.5	0.1020E-06	82.5-142.5	0.1002E-06	45	0- 60	0.4796E-06	90-150	0.4718E-06
60-75.00	0.1010E-03	-7.5 TO 52.5	0.6327E-07	82.5-142.5	0.6188E-07	60	0- 60	0.3360E-06	90-150	0.3290E-06
75-89.54	0.1051E-03	-7.5 TO 52.5	0.2116E-07	82.5-142.5	0.2051E-07	75	0- 60	0.1700E-06	90-150	0.1655E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1674E-06	82.5-157.5	0.1668E-06	0	0- 75	0.8503E-06	90-165	0.8503E-06
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1561E-06	82.5-157.5	0.1547E-06	15	0- 75	0.8228E-06	90-165	0.8181E-06
30-45.00	0.8323E-04	-7.5 TO 67.5	0.1337E-06	82.5-157.5	0.1319E-06	30	0- 75	0.7369E-06	90-165	0.7286E-06
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1019E-06	82.5-157.5	0.1001E-06	45	0- 75	0.5989E-06	90-165	0.5891E-06
60-75.00	0.1263E-03	-7.5 TO 67.5	0.6319E-07	82.5-157.5	0.6177E-07	60	0- 75	0.4194E-06	90-165	0.4107E-06
75-89.54	0.1314E-03	-7.5 TO 67.5	0.2112E-07	82.5-157.5	0.2046E-07	75	0- 75	0.2121E-06	90-165	0.2065E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.1674E-06	82.5-172.5	0.1668E-06	0	0- 90	0.1020E-05	90-180	0.1020E-05
15-30.00	0.6278E-04	-7.5 TO 82.5	0.1560E-06	82.5-172.5	0.1546E-06	15	0- 90	0.9870E-06	90-180	0.9814E-06
30-45.00	0.9987E-04	-7.5 TO 82.5	0.1336E-06	82.5-172.5	0.1318E-06	30	0- 90	0.8835E-06	90-180	0.8737E-06
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1018E-06	82.5-172.5	0.9996E-07	45	0- 90	0.7178E-06	90-180	0.7064E-06
60-75.00	0.1516E-03	-7.5 TO 82.5	0.6308E-07	82.5-172.5	0.6168E-07	60	0- 90	0.5025E-06	90-180	0.4923E-06
75-89.54	0.1576E-03	-7.5 TO 82.5	0.2108E-07	82.5-172.5	0.2042E-07	75	0- 90	0.2540E-06	90-180	0.2475E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.1673E-06	82.5-187.5	0.1667E-06	0	0-105	0.1190E-05	90-195	0.1190E-05
15-30.00	0.7323E-04	-7.5 TO 97.5	0.1559E-06	82.5-187.5	0.1546E-06	15	0-105	0.1151E-05	90-195	0.1145E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1334E-06	82.5-187.5	0.1317E-06	30	0-105	0.1030E-05	90-195	0.1019E-05
45-60.00	0.1518E-03	-7.5 TO 97.5	0.1016E-06	82.5-187.5	0.9987E-07	45	0-105	0.8362E-06	90-195	0.8236E-06
60-75.00	0.1768E-03	-7.5 TO 97.5	0.6297E-07	82.5-187.5	0.6161E-07	60	0-105	0.5852E-06	90-195	0.5739E-06
75-89.54	0.1839E-03	-7.5 TO 97.5	0.2102E-07	82.5-187.5	0.2038E-07	75	0-105	0.2957E-06	90-195	0.2884E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 1.301$ $\cosh \mu_1 = 1.0002$ $\cosh \mu_2 = 1.0026$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 30.41$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1931E 02	-7.5 TO 7.5	0.5421E-01	82.5- 97.5	0.4227E-05	0	0- 15	0.4140E-01	90-105	0.4140E-01
15-30.00	0.5861E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	15	0- 15	0.	90-105	0.
30-45.00	0.9611E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	30	0- 15	0.	90-105	0.
45-57.45	0.9586E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
0-15.00	0.3864E 02	-7.5 TO 22.5	0.3426E-01	82.5-112.5	0.3296E-05	0	0- 30	0.8281E-01	90-120	0.8281E-01
15-30.00	0.1152E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	15	0- 30	0.	90-120	0.
30-45.00	0.1861E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	30	0- 30	0.	90-120	0.
45-57.45	0.1916E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
0-15.00	0.5795E 02	-7.5 TO 37.5	0.2335E-01	82.5-127.5	0.2759E-05	0	0- 45	0.1242E 00	90-135	0.1242E 00
15-30.00	0.1659E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	15	0- 45	0.	90-135	0.
30-45.00	0.2762E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	30	0- 45	0.	90-135	0.
45-57.45	0.2874E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
0-15.00	0.7724E 02	-7.5 TO 52.5	0.1759E-01	82.5-142.5	0.2401E-05	0	0- 60	0.1656E 00	90-150	0.1656E 00
15-30.00	0.2214E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	15	0- 60	0.	90-150	0.
30-45.00	0.3682E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	30	0- 60	0.	90-150	0.
45-57.45	0.3832E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
0-15.00	0.9655E 02	-7.5 TO 67.5	0.1408E-01	82.5-157.5	0.2146E-05	0	0- 75	0.2070E 00	90-165	0.2070E 00
15-30.00	0.2767E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	15	0- 75	0.	90-165	0.
30-45.00	0.4603E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	30	0- 75	0.	90-165	0.
45-57.45	0.4791E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
0-15.00	0.1159E 03	-7.5 TO 82.5	0.1174E-01	82.5-172.5	0.1960E-05	0	0- 90	0.2484E 00	90-180	0.2484E 00
15-30.00	0.3317E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	15	0- 90	0.	90-180	0.
30-45.00	0.5523E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	30	0- 90	0.	90-180	0.
45-57.45	0.5748E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
0-15.00	0.1351E 03	-7.5 TO 97.5	0.1006E-01	82.5-187.5	0.1822E-05	0	0-105	0.2898E 00	90-195	0.2898E 00
15-30.00	0.3868E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	15	0-105	0.	90-195	0.
30-45.00	0.6436E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	30	0-105	0.	90-195	0.
45-57.45	0.6706E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.

$r_2/r_1 = 0.30$ $d/r_1 = 1.301$ $\cosh \mu_1 = 1.0002$ $\cosh \mu_2 = 1.0026$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 15.21$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1931E 02	-7.5 TO 7.5	0.1503E 00	82.5- 97.5	0.5105E-05	0	0- 15	0.4140E-01	90-105	0.4140E-01
15-30.00	0.5861E 02	-7.5 TO 7.5	0.4817E-03	82.5- 97.5	0.	15	0- 15	0.4129E-02	90-105	0.
30-45.00	0.9611E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	30	0- 15	0.	90-105	0.
45-57.45	0.9586E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
0-15.00	0.3864E 02	-7.5 TO 22.5	0.1048E 00	82.5-112.5	0.3735E-05	0	0- 30	0.8281E-01	90-120	0.8281E-01
15-30.00	0.1152E 03	-7.5 TO 22.5	0.4287E-03	82.5-112.5	0.	15	0- 30	0.6534E-02	90-120	0.
30-45.00	0.1861E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	30	0- 30	0.	90-120	0.
45-57.45	0.1916E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
0-15.00	0.5795E 02	-7.5 TO 37.5	0.7364E-01	82.5-127.5	0.3052E-05	0	0- 45	0.1242E 00	90-135	0.1242E 00
15-30.00	0.1659E 03	-7.5 TO 37.5	0.3477E-03	82.5-127.5	0.	15	0- 45	0.7484E-02	90-135	0.
30-45.00	0.2762E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	30	0- 45	0.	90-135	0.
45-57.45	0.2874E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
0-15.00	0.7724E 02	-7.5 TO 52.5	0.5582E-01	82.5-142.5	0.2621E-05	0	0- 60	0.1656E 00	90-150	0.1656E 00
15-30.00	0.2214E 03	-7.5 TO 52.5	0.2700E-03	82.5-142.5	0.	15	0- 60	0.7763E-02	90-150	0.
30-45.00	0.3682E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	30	0- 60	0.	90-150	0.
45-57.45	0.3832E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
0-15.00	0.9655E 02	-7.5 TO 67.5	0.4475E-01	82.5-157.5	0.2322E-05	0	0- 75	0.2070E 00	90-165	0.2070E 00
15-30.00	0.2693E 03	-7.5 TO 67.5	0.2239E-03	82.5-157.5	0.	15	0- 75	0.7818E-02	90-165	0.
30-45.00	0.4503E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	30	0- 75	0.	90-165	0.
45-57.45	0.4791E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
0-15.00	0.1159E 03	-7.5 TO 82.5	0.3730E-01	82.5-172.5	0.2106E-05	0	0- 90	0.2484E 00	90-180	0.2484E 00
15-30.00	0.3317E 03	-7.5 TO 82.5	0.1068E-03	82.5-172.5	0.	15	0- 90	0.7822E-02	90-180	0.
30-45.00	0.5462E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	30	0- 90	0.	90-180	0.
45-57.45	0.5748E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
0-15.00	0.1351E 03	-7.5 TO 97.5	0.3198E-01	82.5-187.5	0.1947E-05	0	0-105	0.2898E 00	90-195	0.2898E 00
15-30.00	0.3868E 03	-7.5 TO 97.5	0.1001E-03	82.5-187.5	0.	15	0-105	0.7822E-02	90-195	0.
30-45.00	0.6360E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	30	0-105	0.	90-195	0.
45-57.45	0.6706E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) *Continued.* Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 1.301$ $\cosh \mu_1 = 1.0002$ $\cosh \mu_2 = 1.0026$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 9.87$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1931E 02	-7.5 TO 7.5	0.2192E 00	82.5- 97.5	0.5105E-05	0	0- 15	0.4140E-01	90-105	0.4140E-01
15-30.00	0.5661E 02	-7.5 TO 7.5	0.7600E-02	82.5- 97.5	0.	15	0- 15	0.4214E-01	90-105	0.
30-45.00	0.9006E 02	-7.5 TO 7.5	0.4400E-04	82.5- 97.5	0.	30	0- 15	0.3795E-03	90-105	0.
45-57.45	0.9580E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
0-15.00	0.3862E 02	-7.5 TO 22.5	0.1599E 00	82.5-112.5	0.3735E-05	0	0- 30	0.8281E-01	90-120	0.8281E-01
15-30.00	0.1132E 03	-7.5 TO 22.5	0.6649E-02	82.5-112.5	0.	15	0- 30	0.6263E-01	90-120	0.
30-45.00	0.1801E 03	-7.5 TO 22.5	0.3823E-04	82.5-112.5	0.	30	0- 30	0.6055E-03	90-120	0.
45-57.45	0.1916E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
0-15.00	0.5793E 02	-7.5 TO 37.5	0.1145E 00	82.5-127.5	0.3052E-05	0	0- 45	0.1242E 00	90-135	0.1242E 00
15-30.00	0.1698E 03	-7.5 TO 37.5	0.5322E-02	82.5-127.5	0.	15	0- 45	0.6937E-01	90-135	0.
30-45.00	0.2702E 03	-7.5 TO 37.5	0.2949E-04	82.5-127.5	0.	30	0- 45	0.6762E-03	90-135	0.
45-57.45	0.2874E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
0-15.00	0.7724E 02	-7.5 TO 52.5	0.8713E-01	82.5-142.5	0.2621E-05	0	0- 60	0.1656E 00	90-150	0.1656E 00
15-30.00	0.2264E 03	-7.5 TO 52.5	0.4219E-02	82.5-142.5	0.	15	0- 60	0.7117E-01	90-150	0.
30-45.00	0.3862E 03	-7.5 TO 52.5	0.2254E-04	82.5-142.5	0.	30	0- 60	0.6820E-03	90-150	0.
45-57.45	0.3832E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
0-15.00	0.9655E 02	-7.5 TO 67.5	0.6989E-01	82.5-157.5	0.2322E-05	0	0- 75	0.2070E 00	90-165	0.2070E 00
15-30.00	0.2831E 03	-7.5 TO 67.5	0.3421E-02	82.5-157.5	0.	15	0- 75	0.7148E-01	90-165	0.
30-45.00	0.4503E 03	-7.5 TO 67.5	0.1804E-04	82.5-157.5	0.	30	0- 75	0.6820E-03	90-165	0.
45-57.45	0.4790E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
0-15.00	0.1159E 03	-7.5 TO 82.5	0.5826E-01	82.5-172.5	0.2106E-05	0	0- 90	0.2484E 00	90-180	0.2484E 00
15-30.00	0.3397E 03	-7.5 TO 82.5	0.2855E-02	82.5-172.5	0.	15	0- 90	0.7149E-01	90-180	0.
30-45.00	0.5403E 03	-7.5 TO 82.5	0.1503E-04	82.5-172.5	0.	30	0- 90	0.6820E-03	90-180	0.
45-57.45	0.5746E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
0-15.00	0.1352E 03	-7.5 TO 97.5	0.4994E-01	82.5-187.5	0.1947E-05	0	0-105	0.2898E 00	90-195	0.2898E 00
15-30.00	0.3963E 03	-7.5 TO 97.5	0.2448E-02	82.5-187.5	0.	15	0-105	0.7149E-01	90-195	0.
30-45.00	0.6304E 03	-7.5 TO 97.5	0.1289E-04	82.5-187.5	0.	30	0-105	0.6820E-03	90-195	0.
45-57.45	0.6706E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.

$r_2/r_1 = 0.30$ $d/r_1 = 1.301$ $\cosh \mu_1 = 1.0002$ $\cosh \mu_2 = 1.0026$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 7.09$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1931E 02	-7.5 TO 7.5	0.2390E 00	82.5- 97.5	0.5105E-05	0	0- 15	0.4140E-01	90-105	0.4140E-01
15-30.00	0.5661E 02	-7.5 TO 7.5	0.2125E-01	82.5- 97.5	0.	15	0- 15	0.7945E-01	90-105	0.
30-45.00	0.9006E 02	-7.5 TO 7.5	0.6814E-03	82.5- 97.5	0.	30	0- 15	0.2962E-02	90-105	0.
45-57.45	0.9580E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
0-15.00	0.3862E 02	-7.5 TO 22.5	0.1766E 00	82.5-112.5	0.3735E-05	0	0- 30	0.8281E-01	90-120	0.8281E-01
15-30.00	0.1132E 03	-7.5 TO 22.5	0.1864E-01	82.5-112.5	0.	15	0- 30	0.1183E 00	90-120	0.
30-45.00	0.1801E 03	-7.5 TO 22.5	0.6161E-03	82.5-112.5	0.	30	0- 30	0.4940E-02	90-120	0.
45-57.45	0.1916E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
0-15.00	0.5793E 02	-7.5 TO 37.5	0.1273E 00	82.5-127.5	0.3052E-05	0	0- 45	0.1242E 00	90-135	0.1242E 00
15-30.00	0.1698E 03	-7.5 TO 37.5	0.1496E-01	82.5-127.5	0.	15	0- 45	0.1308E 00	90-135	0.
30-45.00	0.2702E 03	-7.5 TO 37.5	0.5073E-03	82.5-127.5	0.	30	0- 45	0.5839E-02	90-135	0.
45-57.45	0.2874E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
0-15.00	0.7724E 02	-7.5 TO 52.5	0.9704E-01	82.5-142.5	0.2621E-05	0	0- 60	0.1656E 00	90-150	0.1656E 00
15-30.00	0.2264E 03	-7.5 TO 52.5	0.1187E-01	82.5-142.5	0.	15	0- 60	0.1337E 00	90-150	0.
30-45.00	0.3862E 03	-7.5 TO 52.5	0.4047E-03	82.5-142.5	0.	30	0- 60	0.6108E-02	90-150	0.
45-57.45	0.3832E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
0-15.00	0.9655E 02	-7.5 TO 67.5	0.7784E-01	82.5-157.5	0.2322E-05	0	0- 75	0.2070E 00	90-165	0.2070E 00
15-30.00	0.2831E 03	-7.5 TO 67.5	0.9621E-02	82.5-157.5	0.	15	0- 75	0.1340E 00	90-165	0.
30-45.00	0.4503E 03	-7.5 TO 67.5	0.3274E-03	82.5-157.5	0.	30	0- 75	0.6148E-02	90-165	0.
45-57.45	0.4790E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
0-15.00	0.1159E 03	-7.5 TO 82.5	0.6489E-01	82.5-172.5	0.2106E-05	0	0- 90	0.2484E 00	90-180	0.2484E 00
15-30.00	0.3397E 03	-7.5 TO 82.5	0.8029E-02	82.5-172.5	0.	15	0- 90	0.1340E 00	90-180	0.
30-45.00	0.5403E 03	-7.5 TO 82.5	0.2730E-03	82.5-172.5	0.	30	0- 90	0.6148E-02	90-180	0.
45-57.45	0.5746E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
0-15.00	0.1352E 03	-7.5 TO 97.5	0.5562E-01	82.5-187.5	0.1947E-05	0	0-105	0.2898E 00	90-195	0.2898E 00
15-30.00	0.3963E 03	-7.5 TO 97.5	0.6882E-02	82.5-187.5	0.	15	0-105	0.1340E 00	90-195	0.
30-45.00	0.6304E 03	-7.5 TO 97.5	0.2340E-03	82.5-187.5	0.	30	0-105	0.6148E-02	90-195	0.
45-57.45	0.6706E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

r_2/r_1 = 0.30 d/r_1 = 1.301 $\cosh \mu_1$ = 1.0002 $\cosh \mu_2$ = 1.0026 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 5.34

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1931E 02	-7.5 TO 7.5	0.2428E 00	82.5- 97.5	0.5105E-05	0	0- 15	0.4140E-01	90-105	0.4140E-01
15-30.00	0.5661E 02	-7.5 TO 7.5	0.3069E-01	82.5- 97.5	0.	15	0- 15	0.9031E-01	90-105	0.
30-45.00	0.9006E 02	-7.5 TO 7.5	0.2085E-02	82.5- 97.5	0.	30	0- 15	0.6844E-02	90-105	0.
45-57.45	0.9580E 02	-7.5 TO 7.5	0.2315E-04	82.5- 97.5	0.	45	0- 15	0.1819E-03	90-105	0.
0-15.00	0.3862E 02	-7.5 TO 22.5	0.1799E 00	82.5-112.5	0.3735E-05	0	0- 30	0.8281E-01	90-120	0.8281E-01
15-30.00	0.1132E 03	-7.5 TO 22.5	0.2708E-01	82.5-112.5	0.	15	0- 30	0.1349E 00	90-120	0.
30-45.00	0.1801E 03	-7.5 TO 22.5	0.1905E-02	82.5-112.5	0.	30	0- 30	0.1149E-01	90-120	0.
45-57.45	0.1916E 03	-7.5 TO 22.5	0.2005E-04	82.5-112.5	0.	45	0- 30	0.2793E-03	90-120	0.
0-15.00	0.5759E 02	-7.5 TO 37.5	0.1298E 00	82.5-127.5	0.3052E-05	0	0- 45	0.1242E 00	90-135	0.1242E 00
15-30.00	0.1698E 03	-7.5 TO 37.5	0.2183E-01	82.5-127.5	0.	15	0- 45	0.1487E 00	90-135	0.
30-45.00	0.2702E 03	-7.5 TO 37.5	0.1596E-02	82.5-127.5	0.	30	0- 45	0.1369E-01	90-135	0.
45-57.45	0.2874E 03	-7.5 TO 37.5	0.1493E-04	82.5-127.5	0.	45	0- 45	0.2991E-03	90-135	0.
0-15.00	0.7724E 02	-7.5 TO 52.5	0.9896E-01	82.5-142.5	0.2621E-05	0	0- 60	0.1656E 00	90-150	0.1656E 00
15-30.00	0.2264E 03	-7.5 TO 52.5	0.1734E-01	82.5-142.5	0.	15	0- 60	0.1517E 00	90-150	0.
30-45.00	0.3602E 03	-7.5 TO 52.5	0.1291E-02	82.5-142.5	0.	30	0- 60	0.1441E-01	90-150	0.
45-57.45	0.3832E 03	-7.5 TO 52.5	0.1129E-04	82.5-142.5	0.	45	0- 60	0.2992E-03	90-150	0.
0-15.00	0.9655E 02	-7.5 TO 67.5	0.7938E-01	82.5-157.5	0.2322E-05	0	0- 75	0.2070E 00	90-165	0.2070E 00
15-30.00	0.2831E 03	-7.5 TO 67.5	0.1404E-01	82.5-157.5	0.	15	0- 75	0.1520E 00	90-165	0.
30-45.00	0.4503E 03	-7.5 TO 67.5	0.1050E-02	82.5-157.5	0.	30	0- 75	0.1451E-01	90-165	0.
45-57.45	0.4790E 03	-7.5 TO 67.5	0.9034E-05	82.5-157.5	0.	45	0- 75	0.2992E-03	90-165	0.
0-15.00	0.1159E 03	-7.5 TO 82.5	0.6617E-01	82.5-172.5	0.2106E-05	0	0- 90	0.2484E 00	90-180	0.2484E 00
15-30.00	0.3397E 03	-7.5 TO 82.5	0.1171E-01	82.5-172.5	0.	15	0- 90	0.1520E 00	90-180	0.
30-45.00	0.5403E 03	-7.5 TO 82.5	0.8757E-03	82.5-172.5	0.	30	0- 90	0.1451E-01	90-180	0.
45-57.45	0.5748E 03	-7.5 TO 82.5	0.7528E-05	82.5-172.5	0.	45	0- 90	0.2992E-03	90-180	0.
0-15.00	0.1352E 03	-7.5 TO 97.5	0.5671E-01	82.5-187.5	0.1947E-05	0	0-105	0.2898E 00	90-195	0.2898E 00
15-30.00	0.3963E 03	-7.5 TO 97.5	0.1004E-01	82.5-187.5	0.	15	0-105	0.1520E 00	90-195	0.
30-45.00	0.6304E 03	-7.5 TO 97.5	0.7506E-03	82.5-187.5	0.	30	0-105	0.1451E-01	90-195	0.
45-57.45	0.6706E 03	-7.5 TO 97.5	0.6453E-05	82.5-187.5	0.	45	0-105	0.2992E-03	90-195	0.

r_2/r_1 = 0.30 d/r_1 = 1.301 $\cosh \mu_1$ = 1.0002 $\cosh \mu_2$ = 1.0026 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 4.10

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1931E 02	-7.5 TO 7.5	0.2431E 00	82.5- 97.5	0.5105E-05	0	0- 15	0.4140E-01	90-105	0.4140E-01
15-30.00	0.5661E 02	-7.5 TO 7.5	0.3445E-01	82.5- 97.5	0.	15	0- 15	0.9128E-01	90-105	0.
30-45.00	0.9006E 02	-7.5 TO 7.5	0.3403E-02	82.5- 97.5	0.	30	0- 15	0.968 1E-02	90-105	0.
45-57.45	0.9580E 02	-7.5 TO 7.5	0.1238E-03	82.5- 97.5	0.	45	0- 15	0.5661E-03	90-105	0.
0-15.00	0.3862E 02	-7.5 TO 22.5	0.1801E 00	82.5-112.5	0.3735E-05	0	0- 30	0.8281E-01	90-120	0.8281E-01
15-30.00	0.1132E 03	-7.5 TO 22.5	0.3043E-01	82.5-112.5	0.	15	0- 30	0.1360E 00	90-120	0.
30-45.00	0.1801E 03	-7.5 TO 22.5	0.3122E-02	82.5-112.5	0.	30	0- 30	0.1629E-01	90-120	0.
45-57.45	0.1916E 03	-7.5 TO 22.5	0.1099E-03	82.5-112.5	0.	45	0- 30	0.9292E-03	90-120	0.
0-15.00	0.5759E 02	-7.5 TO 37.5	0.1300E 00	82.5-127.5	0.3052E-05	0	0- 45	0.1242E 00	90-135	0.1242E 00
15-30.00	0.1698E 03	-7.5 TO 37.5	0.2455E-01	82.5-127.5	0.	15	0- 45	0.1499E 00	90-135	0.
30-45.00	0.2702E 03	-7.5 TO 37.5	0.2632E-02	82.5-127.5	0.	30	0- 45	0.1941E-01	90-135	0.
45-57.45	0.2874E 03	-7.5 TO 37.5	0.8753E-04	82.5-127.5	0.	45	0- 45	0.1065E-02	90-135	0.
0-15.00	0.7724E 02	-7.5 TO 52.5	0.9910E-01	82.5-142.5	0.2621E-05	0	0- 60	0.1656E 00	90-150	0.1656E 00
15-30.00	0.2264E 03	-7.5 TO 52.5	0.1947E-01	82.5-142.5	0.	15	0- 60	0.1528E 00	90-150	0.
30-45.00	0.3602E 03	-7.5 TO 52.5	0.2136E-02	82.5-142.5	0.	30	0- 60	0.2035E-01	90-150	0.
45-57.45	0.3832E 03	-7.5 TO 52.5	0.6785E-04	82.5-142.5	0.	45	0- 60	0.1086E-02	90-150	0.
0-15.00	0.9655E 02	-7.5 TO 67.5	0.7949E-01	82.5-157.5	0.2322E-05	0	0- 75	0.2070E 00	90-165	0.2070E 00
15-30.00	0.2831E 03	-7.5 TO 67.5	0.1575E-01	82.5-157.5	0.	15	0- 75	0.1532E 00	90-165	0.
30-45.00	0.4503E 03	-7.5 TO 67.5	0.1736E-02	82.5-157.5	0.	30	0- 75	0.2046E-01	90-165	0.
45-57.45	0.4790E 03	-7.5 TO 67.5	0.5438E-04	82.5-157.5	0.	45	0- 75	0.1086E-02	90-165	0.
0-15.00	0.1159E 03	-7.5 TO 82.5	0.6626E-01	82.5-172.5	0.2106E-05	0	0- 90	0.2484E 00	90-180	0.2484E 00
15-30.00	0.3397E 03	-7.5 TO 82.5	0.1314E-01	82.5-172.5	0.	15	0- 90	0.1532E 00	90-180	0.
30-45.00	0.5403E 03	-7.5 TO 82.5	0.1448E-02	82.5-172.5	0.	30	0- 90	0.2046E-01	90-180	0.
45-57.45	0.5748E 03	-7.5 TO 82.5	0.4531E-04	82.5-172.5	0.	45	0- 90	0.1086E-02	90-180	0.
0-15.00	0.1352E 03	-7.5 TO 97.5	0.5679E-01	82.5-187.5	0.1947E-05	0	0-105	0.2898E 00	90-195	0.2898E 00
15-30.00	0.3963E 03	-7.5 TO 97.5	0.1126E-01	82.5-187.5	0.	15	0-105	0.1532E 00	90-195	0.
30-45.00	0.6304E 03	-7.5 TO 97.5	0.1241E-02	82.5-187.5	0.	30	0-105	0.2046E-01	90-195	0.
45-57.45	0.6706E 03	-7.5 TO 97.5	0.3884E-04	82.5-187.5	0.	45	0-105	0.1086E-02	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 1.301$ $\cosh \mu_1 = 1.0002$ $\cosh \mu_2 = 1.0026$ $\alpha_{2,max} = 105.00$ $\theta_{2,min} = 3.15$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1931E 02	-7.5 TO 7.5	0.2431E 00	82.5- 97.5	0.5105E-05	0	0- 15	0.4140E-01	90-105	0.4140E-01
15-30.00	0.5661E 02	-7.5 TO 7.5	0.3518E-01	82.5- 97.5	0.	15	0- 15	0.9128E-01	90-105	0.
30-45.00	0.9006E 02	-7.5 TO 7.5	0.4094E-02	82.5- 97.5	0.	30	0- 15	0.1081E-01	90-105	0.
45-57.45	0.5580E 02	-7.5 TO 7.5	0.2263E-03	82.5- 97.5	0.	45	0- 15	0.8536E-03	90-105	0.
0-15.00	0.3862E 02	-7.5 TO 22.5	0.1801E 00	82.5-112.5	0.3735E-05	0	0- 30	0.8281E-01	90-120	0.8281E-01
15-30.00	0.1132E 03	-7.5 TO 22.5	0.3107E-01	82.5-112.5	0.	15	0- 30	0.1360E 00	90-120	0.
30-45.00	0.1801E 03	-7.5 TO 22.5	0.3756E-02	82.5-112.5	0.	30	0- 30	0.1813E-01	90-120	0.
45-57.45	0.1916E 03	-7.5 TO 22.5	0.2028E-03	82.5-112.5	0.	45	0- 30	0.1419E-02	90-120	0.
0-15.00	0.5753E 02	-7.5 TO 37.5	0.1300E 00	82.5-127.5	0.3052E-05	0	0- 45	0.1242E 00	90-135	0.1242E 00
15-30.00	0.1698E 03	-7.5 TO 37.5	0.2505E-01	82.5-127.5	0.	15	0- 45	0.1499E 00	90-135	0.
30-45.00	0.2702E 03	-7.5 TO 37.5	0.3162E-02	82.5-127.5	0.	30	0- 45	0.2148E-01	90-135	0.
45-57.45	0.2874E 03	-7.5 TO 37.5	0.1638E-03	82.5-127.5	0.	45	0- 45	0.1647E-02	90-135	0.
0-15.00	0.7724E 02	-7.5 TO 52.5	0.9910E-01	82.5-142.5	0.2621E-05	0	0- 60	0.1656E 00	90-150	0.1656E 00
15-30.00	0.2264E 03	-7.5 TO 52.5	0.1985E-01	82.5-142.5	0.	15	0- 60	0.1528E 00	90-150	0.
30-45.00	0.3602E 03	-7.5 TO 52.5	0.2556E-02	82.5-142.5	0.	30	0- 60	0.2243E-01	90-150	0.
45-57.45	0.3832E 03	-7.5 TO 52.5	0.1281E-03	82.5-142.5	0.	45	0- 60	0.1683E-02	90-150	0.
0-15.00	0.5655E 02	-7.5 TO 67.5	0.7949E-01	82.5-157.5	0.2322E-05	0	0- 75	0.2070E 00	90-165	0.2070E 00
15-30.00	0.2831E 03	-7.5 TO 67.5	0.1605E-01	82.5-157.5	0.	15	0- 75	0.1532E 00	90-165	0.
30-45.00	0.4503E 03	-7.5 TO 67.5	0.2073E-02	82.5-157.5	0.	30	0- 75	0.2254E-01	90-165	0.
45-57.45	0.4790E 03	-7.5 TO 67.5	0.1027E-03	82.5-157.5	0.	45	0- 75	0.1684E-02	90-165	0.
0-15.00	0.1155E 03	-7.5 TO 82.5	0.6626E-01	82.5-172.5	0.2106E-05	0	0- 90	0.2484E 00	90-180	0.2484E 00
15-30.00	0.3357E 03	-7.5 TO 82.5	0.1339E-01	82.5-172.5	0.	15	0- 90	0.1532E 00	90-180	0.
30-45.00	0.5403E 03	-7.5 TO 82.5	0.1729E-02	82.5-172.5	0.	30	0- 90	0.2254E-01	90-180	0.
45-57.45	0.5746E 03	-7.5 TO 82.5	0.8559E-04	82.5-172.5	0.	45	0- 90	0.1684E-02	90-180	0.
0-15.00	0.1352E 03	-7.5 TO 97.5	0.5679E-01	82.5-187.5	0.1947E-05	0	0-105	0.2898E 00	90-195	0.2898E 00
15-30.00	0.3963E 03	-7.5 TO 97.5	0.1148E-01	82.5-187.5	0.	15	0-105	0.1532E 00	90-195	0.
30-45.00	0.6304E 03	-7.5 TO 97.5	0.1482E-02	82.5-187.5	0.	30	0-105	0.2254E-01	90-195	0.
45-57.45	0.6706E 03	-7.5 TO 97.5	0.7336E-04	82.5-187.5	0.	45	0-105	0.1684E-02	90-195	0.

$r_2/r_1 = 0.30$ $d/r_1 = 1.301$ $\cosh \mu_1 = 1.0002$ $\cosh \mu_2 = 1.0026$ $\alpha_{2,max} = 120.00$ $\theta_{2,min} = 2.37$

0-15.00	0.1931E 02	-7.5 TO 7.5	0.2431E 00	82.5- 97.5	0.5105E-05	0	0- 15	0.4140E-01	90-105	0.4140E-01
15-30.00	0.5661E 02	-7.5 TO 7.5	0.3520E-01	82.5- 97.5	0.	15	0- 15	0.9128E-01	90-105	0.
30-45.00	0.9006E 02	-7.5 TO 7.5	0.4228E-02	82.5- 97.5	0.	30	0- 15	0.1090E-01	90-105	0.
45-57.45	0.5580E 02	-7.5 TO 7.5	0.2660E-03	82.5- 97.5	0.	45	0- 15	0.9447E-03	90-105	0.
0-15.00	0.3862E 02	-7.5 TO 22.5	0.1801E 00	82.5-112.5	0.3735E-05	0	0- 30	0.8281E-01	90-120	0.8281E-01
15-30.00	0.1132E 03	-7.5 TO 22.5	0.3109E-01	82.5-112.5	0.	15	0- 30	0.1360E 00	90-120	0.
30-45.00	0.1801E 03	-7.5 TO 22.5	0.3872E-02	82.5-112.5	0.	30	0- 30	0.1824E-01	90-120	0.
45-57.45	0.1916E 03	-7.5 TO 22.5	0.2380E-03	82.5-112.5	0.	45	0- 30	0.1563E-02	90-120	0.
0-15.00	0.5753E 02	-7.5 TO 37.5	0.1300E 00	82.5-127.5	0.3052E-05	0	0- 45	0.1242E 00	90-135	0.1242E 00
15-30.00	0.1698E 03	-7.5 TO 37.5	0.2506E-01	82.5-127.5	0.	15	0- 45	0.1499E 00	90-135	0.
30-45.00	0.2702E 03	-7.5 TO 37.5	0.3249E-02	82.5-127.5	0.	30	0- 45	0.2159E-01	90-135	0.
45-57.45	0.2874E 03	-7.5 TO 37.5	0.1913E-03	82.5-127.5	0.	45	0- 45	0.1802E-02	90-135	0.
0-15.00	0.7724E 02	-7.5 TO 52.5	0.9910E-01	82.5-142.5	0.2621E-05	0	0- 60	0.1656E 00	90-150	0.1656E 00
15-30.00	0.2264E 03	-7.5 TO 52.5	0.1986E-01	82.5-142.5	0.	15	0- 60	0.1528E 00	90-150	0.
30-45.00	0.3602E 03	-7.5 TO 52.5	0.2622E-02	82.5-142.5	0.	30	0- 60	0.2254E-01	90-150	0.
45-57.45	0.3832E 03	-7.5 TO 52.5	0.1490E-03	82.5-142.5	0.	45	0- 60	0.1839E-02	90-150	0.
0-15.00	0.5655E 02	-7.5 TO 67.5	0.7949E-01	82.5-157.5	0.2322E-05	0	0- 75	0.2070E 00	90-165	0.2070E 00
15-30.00	0.2831E 03	-7.5 TO 67.5	0.1606E-01	82.5-157.5	0.	15	0- 75	0.1532E 00	90-165	0.
30-45.00	0.4502E 03	-7.5 TO 67.5	0.2126E-02	82.5-157.5	0.	30	0- 75	0.2265E-01	90-165	0.
45-57.45	0.4750E 03	-7.5 TO 67.5	0.1195E-03	82.5-157.5	0.	45	0- 75	0.1839E-02	90-165	0.
0-15.00	0.1155E 03	-7.5 TO 82.5	0.6626E-01	82.5-172.5	0.2106E-05	0	0- 90	0.2484E 00	90-180	0.2484E 00
15-30.00	0.3357E 03	-7.5 TO 82.5	0.1340E-01	82.5-172.5	0.	15	0- 90	0.1532E 00	90-180	0.
30-45.00	0.5403E 03	-7.5 TO 82.5	0.1773E-02	82.5-172.5	0.	30	0- 90	0.2265E-01	90-180	0.
45-57.45	0.5746E 03	-7.5 TO 82.5	0.9956E-04	82.5-172.5	0.	45	0- 90	0.1839E-02	90-180	0.
0-15.00	0.1352E 03	-7.5 TO 97.5	0.5679E-01	82.5-187.5	0.1947E-05	0	0-105	0.2898E 00	90-195	0.2898E 00
15-30.00	0.3963E 03	-7.5 TO 97.5	0.1148E-01	82.5-187.5	0.	15	0-105	0.1532E 00	90-195	0.
30-45.00	0.6304E 03	-7.5 TO 97.5	0.1520E-02	82.5-187.5	0.	30	0-105	0.2265E-01	90-195	0.
45-57.45	0.6706E 03	-7.5 TO 97.5	0.8534E-04	82.5-187.5	0.	45	0-105	0.1839E-02	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

r_2/r_1 = 0.30 d/r_1 = 1.301 $\cosh \mu_1$ = 1.0002 $\cosh \mu_2$ = 1.0026 $\alpha_{2,max}$ = 122.55 $\theta_{2,min}$ = 2.25

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1921E 02	-7.5 TO 7.5	0.2431E 00	82.5- 97.5	0.5105E-05	0	0- 15	0.4140E-01	90-105	0.4140E-01
15-30.00	0.5661E 02	-7.5 TO 7.5	0.3520E-01	82.5- 97.5	0.	15	0- 15	0.9128E-01	90-105	0.
30-45.00	0.9006E 02	-7.5 TO 7.5	0.4228E-02	82.5- 97.5	0.	30	0- 15	0.1090E-01	90-105	0.
45-57.45	0.9580E 02	-7.5 TO 7.5	0.2664E-03	82.5- 97.5	0.	45	0- 15	0.9449E-03	90-105	0.
0-15.00	0.3862E 02	-7.5 TO 22.5	0.1801E 00	82.5-112.5	0.3735E-05	0	0- 30	0.8281E-01	90-120	0.8281E-01
15-30.00	0.1132E 03	-7.5 TO 22.5	0.3109E-01	82.5-112.5	0.	15	0- 30	0.1360E 00	90-120	0.
30-45.00	0.1801E 03	-7.5 TO 22.5	0.3872E-02	82.5-112.5	0.	30	0- 30	0.1824E-01	90-120	0.
45-57.45	0.1916E 03	-7.5 TO 22.5	0.2382E-03	82.5-112.5	0.	45	0- 30	0.1563E-02	90-120	0.
0-15.00	0.5793E 02	-7.5 TO 37.5	0.1300E 00	82.5-127.5	0.3052E-05	0	0- 45	0.1242E 00	90-135	0.1242E 00
15-30.00	0.1698E 03	-7.5 TO 37.5	0.2506E-01	82.5-127.5	0.	15	0- 45	0.1499E 00	90-135	0.
30-45.00	0.2702E 03	-7.5 TO 37.5	0.3249E-02	82.5-127.5	0.	30	0- 45	0.2159E-01	90-135	0.
45-57.45	0.2874E 03	-7.5 TO 37.5	0.1914E-03	82.5-127.5	0.	45	0- 45	0.1803E-02	90-135	0.
0-15.00	0.7724E 02	-7.5 TO 52.5	0.9910E-01	82.5-142.5	0.2621E-05	0	0- 60	0.1656E 00	90-150	0.1656E 00
15-30.00	0.2264E 03	-7.5 TO 52.5	0.1986E-01	82.5-142.5	0.	15	0- 60	0.1528E 00	90-150	0.
30-45.00	0.3602E 03	-7.5 TO 52.5	0.2622E-02	82.5-142.5	0.	30	0- 60	0.2254E-01	90-150	0.
45-57.45	0.3832E 03	-7.5 TO 52.5	0.1491E-03	82.5-142.5	0.	45	0- 60	0.1839E-02	90-150	0.
0-15.00	0.9655E 02	-7.5 TO 67.5	0.7949E-01	82.5-157.5	0.2322E-05	0	0- 75	0.2070E 00	90-165	0.2070E 00
15-30.00	0.2831E 03	-7.5 TO 67.5	0.1006E-01	82.5-157.5	0.	15	0- 75	0.1532E 00	90-165	0.
30-45.00	0.4503E 03	-7.5 TO 67.5	0.2126E-02	82.5-157.5	0.	30	0- 75	0.2265E-01	90-165	0.
45-57.45	0.4790E 03	-7.5 TO 67.5	0.1196E-03	82.5-157.5	0.	45	0- 75	0.1840E-02	90-165	0.
0-15.00	0.1159E 03	-7.5 TO 82.5	0.6626E-01	82.5-172.5	0.2106E-05	0	0- 90	0.2484E 00	90-180	0.2484E 00
15-30.00	0.3397E 03	-7.5 TO 82.5	0.1340E-01	82.5-172.5	0.	15	0- 90	0.1532E 00	90-180	0.
30-45.00	0.5403E 03	-7.5 TO 82.5	0.1773E-02	82.5-172.5	0.	30	0- 90	0.2265E-01	90-180	0.
45-57.45	0.5748E 03	-7.5 TO 82.5	0.9963E-04	82.5-172.5	0.	45	0- 90	0.1840E-02	90-180	0.
0-15.00	0.1352E 03	-7.5 TO 97.5	0.5679E-01	82.5-187.5	0.1947E-05	0	0-105	0.2898E 00	90-195	0.2898E 00
15-30.00	0.3963E 03	-7.5 TO 97.5	0.1148E-01	82.5-187.5	0.	15	0-105	0.1532E 00	90-195	0.
30-45.00	0.6304E 03	-7.5 TO 97.5	0.1520E-02	82.5-187.5	0.	30	0-105	0.2265E-01	90-195	0.
45-57.45	0.6706E 03	-7.5 TO 97.5	0.8540E-04	82.5-187.5	0.	45	0-105	0.1840E-02	90-195	0.

r_2/r_1 = 0.30 d/r_1 = 2.000 $\cosh \mu_1$ = 1.2275 $\cosh \mu_2$ = 2.5750 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 157.56

0-15.00	0.1760E-01	-7.5 TO 7.5	0.4401E-03	82.5- 97.5	0.3927E-03	0	0- 15	0.4921E-03	90-105	0.4921E-03
15-30.00	0.5161E-01	-7.5 TO 7.5	0.2344E-03	82.5- 97.5	0.1882E-03	15	0- 15	0.3691E-03	90-105	0.3052E-03
30-45.00	0.8210E-01	-7.5 TO 7.5	0.7596E-04	82.5- 97.5	0.5613E-04	30	0- 15	0.1412E-03	90-105	0.1047E-03
45-60.00	0.1070E 00	-7.5 TO 7.5	0.1015E-04	82.5- 97.5	0.5854E-05	45	0- 15	0.3333E-04	90-105	0.2156E-04
60-69.51	0.7749E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.3523E-01	-7.5 TO 22.5	0.4392E-03	82.5-112.5	0.3871E-03	0	0- 30	0.9842E-03	90-120	0.9842E-03
15-30.00	0.1032E 00	-7.5 TO 22.5	0.2335E-03	82.5-112.5	0.1830E-03	15	0- 30	0.7340E-03	90-120	0.5977E-03
30-45.00	0.1642E 00	-7.5 TO 22.5	0.7557E-04	82.5-112.5	0.5399E-04	30	0- 30	0.2798E-03	90-120	0.2025E-03
45-60.00	0.2140E 00	-7.5 TO 22.5	0.1006E-04	82.5-112.5	0.5453E-05	45	0- 30	0.6583E-04	90-120	0.4102E-04
60-69.51	0.1551E 00	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.5261E-01	-7.5 TO 37.5	0.4373E-03	82.5-127.5	0.3818E-03	0	0- 45	0.1476E-02	90-135	0.1476E-02
15-30.00	0.1548E 00	-7.5 TO 37.5	0.2315E-03	82.5-127.5	0.1783E-03	15	0- 45	0.1091E-02	90-135	0.8794E-03
30-45.00	0.2463E 00	-7.5 TO 37.5	0.7470E-04	82.5-127.5	0.5204E-04	30	0- 45	0.4137E-03	90-135	0.2946E-03
45-60.00	0.3210E 00	-7.5 TO 37.5	0.9865E-05	82.5-127.5	0.5093E-05	45	0- 45	0.9677E-04	90-135	0.5873E-04
60-69.51	0.2325E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.7041E-01	-7.5 TO 52.5	0.4343E-03	82.5-142.5	0.3771E-03	0	0- 60	0.1968E-02	90-150	0.1968E-02
15-30.00	0.2064E 00	-7.5 TO 52.5	0.2265E-03	82.5-142.5	0.1740E-03	15	0- 60	0.1437E-02	90-150	0.1153E-02
30-45.00	0.3284E 00	-7.5 TO 52.5	0.7341E-04	82.5-142.5	0.5032E-04	30	0- 60	0.5412E-03	90-150	0.3823E-03
45-60.00	0.4280E 00	-7.5 TO 52.5	0.9575E-05	82.5-142.5	0.4779E-05	45	0- 60	0.1256E-03	90-150	0.7512E-04
60-69.51	0.3100E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.8802E-01	-7.5 TO 67.5	0.4306E-03	82.5-157.5	0.3730E-03	0	0- 75	0.2461E-02	90-165	0.2461E-02
15-30.00	0.2581E 00	-7.5 TO 67.5	0.2248E-03	82.5-157.5	0.1704E-03	15	0- 75	0.1769E-02	90-165	0.1420E-02
30-45.00	0.4105E 00	-7.5 TO 67.5	0.7180E-04	82.5-157.5	0.4885E-04	30	0- 75	0.6612E-03	90-165	0.4670E-03
45-60.00	0.5350E 00	-7.5 TO 67.5	0.9212E-05	82.5-157.5	0.4514E-05	45	0- 75	0.1520E-03	90-165	0.9062E-04
60-69.51	0.3875E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.1056E 00	-7.5 TO 82.5	0.4262E-03	82.5-172.5	0.3696E-03	0	0- 90	0.2953E-02	90-180	0.2953E-02
15-30.00	0.3097E 00	-7.5 TO 82.5	0.2205E-03	82.5-172.5	0.1674E-03	15	0- 90	0.2088E-02	90-180	0.1684E-02
30-45.00	0.4926E 00	-7.5 TO 82.5	0.6995E-04	82.5-172.5	0.4765E-04	30	0- 90	0.7734E-03	90-180	0.5501E-03
45-60.00	0.6420E 00	-7.5 TO 82.5	0.8801E-05	82.5-172.5	0.4300E-05	45	0- 90	0.1759E-03	90-180	0.1057E-03
60-69.51	0.4650E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.1232E 00	-7.5 TO 97.5	0.4214E-03	82.5-187.5	0.3670E-03	0	0-105	0.3445E-02	90-195	0.3445E-02
15-30.00	0.3613E 00	-7.5 TO 97.5	0.2159E-03	82.5-187.5	0.1652E-03	15	0-105	0.2393E-02	90-195	0.1948E-02
30-45.00	0.5747E 00	-7.5 TO 97.5	0.6798E-04	82.5-187.5	0.4673E-04	30	0-105	0.8781E-03	90-195	0.6332E-03
45-60.00	0.7490E 00	-7.5 TO 97.5	0.8380E-05	82.5-187.5	0.4137E-05	45	0-105	0.1975E-03	90-195	0.1207E-03
60-69.51	0.5424E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

r_2/r_1 = 0.30 d/r_1 = 2.000 $\cosh \mu_1$ = 1.2275 $\cosh \mu_2$ = 2.5750 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 136.03

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1766E-01	-7.5 TO 7.5	0.1046E-02	82.5- 97.5	0.1324E-02	0	0- 15	0.1644E-02	90-105	0.1644E-02
15-30.00	0.5161E-01	-7.5 TO 7.5	0.9921E-03	82.5- 97.5	0.6503E-03	15	0- 15	0.1463E-02	90-105	0.1018E-02
30-45.00	0.8210E-01	-7.5 TO 7.5	0.3577E-03	82.5- 97.5	0.2004E-03	30	0- 15	0.6339E-03	90-105	0.3562E-03
45-60.00	0.1070E 00	-7.5 TO 7.5	0.3459E-04	82.5- 97.5	0.2228E-04	45	0- 15	0.1705E-03	90-105	0.7539E-04
60-69.51	0.7746E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.3521E-01	-7.5 TO 22.5	0.1640E-02	82.5-112.5	0.1288E-02	0	0- 30	0.3287E-02	90-120	0.3287E-02
15-30.00	0.1032E 00	-7.5 TO 22.5	0.9849E-03	82.5-112.5	0.6169E-03	15	0- 30	0.2894E-02	90-120	0.1957E-02
30-45.00	0.1642E 00	-7.5 TO 22.5	0.3542E-03	82.5-112.5	0.1861E-03	30	0- 30	0.1246E-02	90-120	0.6688E-03
45-60.00	0.2140E 00	-7.5 TO 22.5	0.4710E-04	82.5-112.5	0.1955E-04	45	0- 30	0.3333E-03	90-120	0.1371E-03
60-69.51	0.1550E 00	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.5261E-01	-7.5 TO 37.5	0.1626E-02	82.5-127.5	0.1256E-02	0	0- 45	0.4931E-02	90-135	0.4931E-02
15-30.00	0.1546E 00	-7.5 TO 37.5	0.9690E-03	82.5-127.5	0.5871E-03	15	0- 45	0.4266E-02	90-135	0.2831E-02
30-45.00	0.2463E 00	-7.5 TO 37.5	0.3466E-03	82.5-127.5	0.1736E-03	30	0- 45	0.1819E-02	90-135	0.9464E-03
45-60.00	0.3210E 00	-7.5 TO 37.5	0.4952E-04	82.5-127.5	0.1724E-04	45	0- 45	0.4819E-03	90-135	0.1883E-03
60-69.51	0.2325E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.7041E-01	-7.5 TO 52.5	0.1605E-02	82.5-142.5	0.1227E-02	0	0- 60	0.6575E-02	90-150	0.6575E-02
15-30.00	0.2064E 00	-7.5 TO 52.5	0.9457E-03	82.5-142.5	0.5612E-03	15	0- 60	0.5557E-02	90-150	0.3655E-02
30-45.00	0.3284E 00	-7.5 TO 52.5	0.3356E-03	82.5-142.5	0.1629E-03	30	0- 60	0.2340E-02	90-150	0.1198E-02
45-60.00	0.4280E 00	-7.5 TO 52.5	0.4873E-04	82.5-142.5	0.1538E-04	45	0- 60	0.6125E-03	90-150	0.2321E-03
60-69.51	0.3100E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.8802E-01	-7.5 TO 67.5	0.1579E-02	82.5-157.5	0.1203E-02	0	0- 75	0.8218E-02	90-165	0.8218E-02
15-30.00	0.2581E 00	-7.5 TO 67.5	0.9170E-03	82.5-157.5	0.5394E-03	15	0- 75	0.6757E-02	90-165	0.4446E-02
30-45.00	0.4105E 00	-7.5 TO 67.5	0.3221E-03	82.5-157.5	0.1540E-03	30	0- 75	0.2804E-02	90-165	0.1433E-02
45-60.00	0.5350E 00	-7.5 TO 67.5	0.4680E-04	82.5-157.5	0.1393E-04	45	0- 75	0.7234E-03	90-165	0.2712E-03
60-69.51	0.3875E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.1056E 00	-7.5 TO 82.5	0.1549E-02	82.5-172.5	0.1182E-02	0	0- 90	0.9862E-02	90-180	0.9862E-02
15-30.00	0.3097E 00	-7.5 TO 82.5	0.8850E-03	82.5-172.5	0.5218E-03	15	0- 90	0.7864E-02	90-180	0.5220E-02
30-45.00	0.4926E 00	-7.5 TO 82.5	0.3073E-03	82.5-172.5	0.1469E-03	30	0- 90	0.3211E-02	90-180	0.1660E-02
45-60.00	0.6420E 00	-7.5 TO 82.5	0.4386E-04	82.5-172.5	0.1279E-04	45	0- 90	0.8155E-03	90-180	0.3079E-03
60-69.51	0.4650E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.1232E 00	-7.5 TO 97.5	0.1517E-02	82.5-187.5	0.1167E-02	0	0-105	0.1151E-01	90-195	0.1151E-01
15-30.00	0.3613E 00	-7.5 TO 97.5	0.8515E-03	82.5-187.5	0.5083E-03	15	0-105	0.8881E-02	90-195	0.5994E-02
30-45.00	0.5747E 00	-7.5 TO 97.5	0.2921E-03	82.5-187.5	0.1419E-03	30	0-105	0.3567E-02	90-195	0.1887E-02
45-60.00	0.7490E 00	-7.5 TO 97.5	0.4032E-04	82.5-187.5	0.1194E-04	45	0-105	0.8909E-03	90-195	0.3447E-03
60-69.51	0.5424E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.

r_2/r_1 = 0.30 d/r_1 = 2.000 $\cosh \mu_1$ = 1.2275 $\cosh \mu_2$ = 2.5750 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 116.07

0-15.00	0.1760E-01	-7.5 TO 7.5	0.3113E-02	82.5- 97.5	0.2293E-02	0	0- 15	0.2816E-02	90-105	0.2816E-02
15-30.00	0.5161E-01	-7.5 TO 7.5	0.2111E-02	82.5- 97.5	0.1162E-02	15	0- 15	0.2513E-02	90-105	0.1753E-02
30-45.00	0.8210E-01	-7.5 TO 7.5	0.8476E-03	82.5- 97.5	0.3739E-03	30	0- 15	0.1432E-02	90-105	0.6315E-03
45-60.00	0.1070E 00	-7.5 TO 7.5	0.1803E-03	82.5- 97.5	0.4555E-04	45	0- 15	0.4341E-03	90-105	0.1396E-03
60-69.51	0.7746E-01	-7.5 TO 7.5	0.1472E-05	82.5- 97.5	0.	60	0- 15	0.1527E-04	90-105	0.
0-15.00	0.3521E-01	-7.5 TO 22.5	0.3097E-02	82.5-112.5	0.2208E-02	0	0- 30	0.5633E-02	90-120	0.5633E-02
15-30.00	0.1032E 00	-7.5 TO 22.5	0.2090E-02	82.5-112.5	0.1078E-02	15	0- 30	0.5738E-02	90-120	0.3316E-02
30-45.00	0.1642E 00	-7.5 TO 22.5	0.8803E-03	82.5-112.5	0.3364E-03	30	0- 30	0.2796E-02	90-120	0.1153E-02
45-60.00	0.2140E 00	-7.5 TO 22.5	0.1767E-03	82.5-112.5	0.3802E-04	45	0- 30	0.8417E-03	90-120	0.2441E-03
60-69.51	0.1550E 00	-7.5 TO 22.5	0.1310E-05	82.5-112.5	0.	60	0- 30	0.2610E-04	90-120	0.
0-15.00	0.5261E-01	-7.5 TO 37.5	0.3060E-02	82.5-127.5	0.2131E-02	0	0- 45	0.8449E-02	90-135	0.8449E-02
15-30.00	0.1548E 00	-7.5 TO 37.5	0.2043E-02	82.5-127.5	0.1005E-02	15	0- 45	0.8399E-02	90-135	0.4727E-02
30-45.00	0.2463E 00	-7.5 TO 37.5	0.8114E-03	82.5-127.5	0.3046E-03	30	0- 45	0.4038E-02	90-135	0.1591E-02
45-60.00	0.3210E 00	-7.5 TO 37.5	0.1687E-03	82.5-127.5	0.3210E-04	45	0- 45	0.1202E-02	90-135	0.3236E-03
60-69.51	0.2325E 00	-7.5 TO 37.5	0.1062E-05	82.5-127.5	0.	60	0- 45	0.3050E-04	90-135	0.
0-15.00	0.7041E-01	-7.5 TO 52.5	0.3005E-02	82.5-142.5	0.2063E-02	0	0- 60	0.1127E-01	90-150	0.1127E-01
15-30.00	0.2064E 00	-7.5 TO 52.5	0.1975E-02	82.5-142.5	0.9430E-03	15	0- 60	0.1085E-01	90-150	0.6025E-02
30-45.00	0.3284E 00	-7.5 TO 52.5	0.7702E-03	82.5-142.5	0.2783E-03	30	0- 60	0.5124E-02	90-150	0.1969E-02
45-60.00	0.4280E 00	-7.5 TO 52.5	0.1577E-03	82.5-142.5	0.2767E-04	45	0- 60	0.1503E-02	90-150	0.3865E-03
60-69.51	0.3100E 00	-7.5 TO 52.5	0.8328E-06	82.5-142.5	0.	60	0- 60	0.3085E-04	90-150	0.
0-15.00	0.8802E-01	-7.5 TO 67.5	0.2938E-02	82.5-157.5	0.2006E-02	0	0- 75	0.1408E-01	90-165	0.1408E-01
15-30.00	0.2581E 00	-7.5 TO 67.5	0.1893E-02	82.5-157.5	0.8915E-03	15	0- 75	0.1306E-01	90-165	0.7247E-02
30-45.00	0.4105E 00	-7.5 TO 67.5	0.7344E-03	82.5-157.5	0.2570E-03	30	0- 75	0.6046E-02	90-165	0.2309E-02
45-60.00	0.5350E 00	-7.5 TO 67.5	0.1449E-03	82.5-157.5	0.2434E-04	45	0- 75	0.1744E-02	90-165	0.4394E-03
60-69.51	0.3875E 00	-7.5 TO 67.5	0.6671E-06	82.5-157.5	0.	60	0- 75	0.3085E-04	90-165	0.
0-15.00	0.1056E 00	-7.5 TO 82.5	0.2861E-02	82.5-172.5	0.1959E-02	0	0- 90	0.1690E-01	90-180	0.1690E-01
15-30.00	0.3097E 00	-7.5 TO 82.5	0.1804E-02	82.5-172.5	0.8502E-03	15	0- 90	0.1503E-01	90-180	0.8431E-02
30-45.00	0.4926E 00	-7.5 TO 82.5	0.3894E-03	82.5-172.5	0.2401E-03	30	0- 90	0.6813E-02	90-180	0.2631E-02
45-60.00	0.6420E 00	-7.5 TO 82.5	0.1315E-03	82.5-172.5	0.2177E-04	45	0- 90	0.1930E-02	90-180	0.4878E-03
60-69.51	0.4650E 00	-7.5 TO 82.5	0.5559E-06	82.5-172.5	0.	60	0- 90	0.3085E-04	90-180	0.
0-15.00	0.1232E 00	-7.5 TO 97.5	0.2780E-02	82.5-187.5	0.1923E-02	0	0-105	0.1972E-01	90-195	0.1972E-01
15-30.00	0.3613E 00	-7.5 TO 97.5	0.1712E-02	82.5-187.5	0.8187E-03	15	0-105	0.1678E-01	90-195	0.9616E-02
30-45.00	0.5747E 00	-7.5 TO 97.5	0.6443E-03	82.5-187.5	0.2274E-03	30	0-105	0.7444E-02	90-195	0.2953E-02
45-60.00	0.7490E 00	-7.5 TO 97.5	0.1192E-03	82.5-187.5	0.1987E-04	45	0-105	0.2069E-02	90-195	0.5362E-03
60-69.51	0.5424E 00	-7.5 TO 97.5	0.4765E-06	82.5-187.5	0.	60	0-105	0.3085E-04	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2275$ $\cosh \mu_2 = 2.5750$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 97.96$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1760E-01	-7.5 TO 7.5	0.4282E-02	82.5- 97.5	0.2925E-02	0	0- 15	0.3560E-02	90-105	0.3560E-02
15-30.00	0.5161E-01	-7.5 TO 7.5	0.3218E-02	82.5- 97.5	0.1523E-02	15	0- 15	0.4181E-02	90-105	0.2221E-02
30-45.00	0.8210E-01	-7.5 TO 7.5	0.1426E-02	82.5- 97.5	0.5111E-03	30	0- 15	0.2305E-02	90-105	0.8207E-03
45-60.00	0.1070E 00	-7.5 TO 7.5	0.3536E-03	82.5- 97.5	0.6805E-04	45	0- 15	0.7749E-03	90-105	0.1897E-03
60-65.51	0.7745E-01	-7.5 TO 7.5	0.1256E-04	82.5- 97.5	0.	60	0- 15	0.6420E-04	90-105	0.
0-15.00	0.3521E-01	-7.5 TO 22.5	0.4254E-02	82.5-112.5	0.2789E-02	0	0- 30	0.7120E-02	90-120	0.7120E-02
15-30.00	0.1032E 00	-7.5 TO 22.5	0.3178E-02	82.5-112.5	0.1384E-02	15	0- 30	0.8207E-02	90-120	0.4139E-02
30-45.00	0.1642E 00	-7.5 TO 22.5	0.1402E-02	82.5-112.5	0.4460E-03	30	0- 30	0.4476E-02	90-120	0.1457E-02
45-60.00	0.2140E 00	-7.5 TO 22.5	0.3454E-03	82.5-112.5	0.5453E-04	45	0- 30	0.1493E-02	90-120	0.3195E-03
60-65.51	0.1550E 00	-7.5 TO 22.5	0.1101E-04	82.5-112.5	0.	60	0- 30	0.1153E-03	90-120	0.
0-15.00	0.5281E-01	-7.5 TO 37.5	0.4192E-02	82.5-127.5	0.2667E-02	0	0- 45	0.1068E-01	90-135	0.1068E-01
15-30.00	0.1548E 00	-7.5 TO 37.5	0.3091E-02	82.5-127.5	0.1265E-02	15	0- 45	0.1195E-01	90-135	0.5818E-02
30-45.00	0.2463E 00	-7.5 TO 37.5	0.1352E-02	82.5-127.5	0.3923E-03	30	0- 45	0.6408E-02	90-135	0.1958E-02
45-60.00	0.3210E 00	-7.5 TO 37.5	0.3278E-03	82.5-127.5	0.4446E-04	45	0- 45	0.2112E-02	90-135	0.4095E-03
60-65.51	0.2325E 00	-7.5 TO 37.5	0.9842E-05	82.5-127.5	0.	60	0- 45	0.1457E-03	90-135	0.
0-15.00	0.7041E-01	-7.5 TO 52.5	0.4100E-02	82.5-142.5	0.2561E-02	0	0- 60	0.1424E-01	90-150	0.1424E-01
15-30.00	0.2064E 00	-7.5 TO 52.5	0.2900E-02	82.5-142.5	0.1165E-02	15	0- 60	0.1532E-01	90-150	0.7319E-02
30-45.00	0.3284E 00	-7.5 TO 52.5	0.1281E-02	82.5-142.5	0.3492E-03	30	0- 60	0.8047E-02	90-150	0.2369E-02
45-60.00	0.4280E 00	-7.5 TO 52.5	0.3036E-03	82.5-142.5	0.3727E-04	45	0- 60	0.2610E-02	90-150	0.4762E-03
60-65.51	0.3100E 00	-7.5 TO 52.5	0.7925E-05	82.5-142.5	0.	60	0- 60	0.1564E-03	90-150	0.
0-15.00	0.8802E-01	-7.5 TO 67.5	0.3987E-02	82.5-157.5	0.2471E-02	0	0- 75	0.1780E-01	90-165	0.1780E-01
15-30.00	0.2581E 00	-7.5 TO 67.5	0.2817E-02	82.5-157.5	0.1083E-02	15	0- 75	0.1830E-01	90-165	0.8709E-02
30-45.00	0.4105E 00	-7.5 TO 67.5	0.1198E-02	82.5-157.5	0.3156E-03	30	0- 75	0.9381E-02	90-165	0.2727E-02
45-60.00	0.5350E 00	-7.5 TO 67.5	0.2759E-03	82.5-157.5	0.3211E-04	45	0- 75	0.2988E-02	90-165	0.5307E-03
60-65.51	0.3875E 00	-7.5 TO 67.5	0.6411E-05	82.5-157.5	0.	60	0- 75	0.1572E-03	90-165	0.
0-15.00	0.1056E 00	-7.5 TO 82.5	0.3860E-02	82.5-172.5	0.2398E-02	0	0- 90	0.2136E-01	90-180	0.2136E-01
15-30.00	0.3097E 00	-7.5 TO 82.5	0.2657E-02	82.5-172.5	0.1019E-02	15	0- 90	0.2088E-01	90-180	0.1003E-01
30-45.00	0.4926E 00	-7.5 TO 82.5	0.1111E-02	82.5-172.5	0.2899E-03	30	0- 90	0.1044E-01	90-180	0.3062E-02
45-60.00	0.6420E 00	-7.5 TO 82.5	0.2477E-03	82.5-172.5	0.2828E-04	45	0- 90	0.3260E-02	90-180	0.5798E-03
60-65.51	0.4650E 00	-7.5 TO 82.5	0.3344E-05	82.5-172.5	0.	60	0- 90	0.1572E-03	90-180	0.
0-15.00	0.1232E 00	-7.5 TO 97.5	0.3726E-02	82.5-187.5	0.2342E-02	0	0-105	0.2492E-01	90-195	0.2492E-01
15-30.00	0.3613E 00	-7.5 TO 97.5	0.2495E-02	82.5-187.5	0.9702E-03	15	0-105	0.2310E-01	90-195	0.1136E-01
30-45.00	0.5747E 00	-7.5 TO 97.5	0.1025E-02	82.5-187.5	0.2706E-03	30	0-105	0.1126E-01	90-195	0.3396E-02
45-60.00	0.7490E 00	-7.5 TO 97.5	0.2220E-03	82.5-187.5	0.2546E-04	45	0-105	0.3450E-02	90-195	0.6290E-03
60-65.51	0.5424E 00	-7.5 TO 97.5	0.4581E-05	82.5-187.5	0.	60	0-105	0.1572E-03	90-195	0.

$r_2/r_1 = 0.30$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2275$ $\cosh \mu_2 = 2.5750$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 81.72$

0-15.00	0.1760E-01	-7.5 TO 7.5	0.4872E-02	82.5- 97.5	0.3096E-02	0	0- 15	0.3750E-02	90-105	0.3750E-02
15-30.00	0.5161E-01	-7.5 TO 7.5	0.3993E-02	82.5- 97.5	0.1639E-02	15	0- 15	0.4928E-02	90-105	0.2329E-02
30-45.00	0.8210E-01	-7.5 TO 7.5	0.1921E-02	82.5- 97.5	0.5662E-03	30	0- 15	0.2991E-02	90-105	0.8689E-03
45-60.00	0.1070E 00	-7.5 TO 7.5	0.5308E-03	82.5- 97.5	0.8015E-04	45	0- 15	0.1094E-02	90-105	0.2059E-03
60-65.51	0.7745E-01	-7.5 TO 7.5	0.3385E-04	82.5- 97.5	0.	60	0- 15	0.1303E-03	90-105	0.
0-15.00	0.3521E-01	-7.5 TO 22.5	0.4835E-02	82.5-112.5	0.2928E-02	0	0- 30	0.7500E-02	90-120	0.7500E-02
15-30.00	0.1032E 00	-7.5 TO 22.5	0.3936E-02	82.5-112.5	0.1464E-02	15	0- 30	0.9646E-02	90-120	0.4295E-02
30-45.00	0.1642E 00	-7.5 TO 22.5	0.1885E-02	82.5-112.5	0.4812E-03	30	0- 30	0.5783E-02	90-120	0.1516E-02
45-60.00	0.2140E 00	-7.5 TO 22.5	0.5174E-03	82.5-112.5	0.6189E-04	45	0- 30	0.2098E-02	90-120	0.3381E-03
60-65.51	0.1550E 00	-7.5 TO 22.5	0.3168E-04	82.5-112.5	0.	60	0- 30	0.2370E-03	90-120	0.
0-15.00	0.5281E-01	-7.5 TO 37.5	0.4752E-02	82.5-127.5	0.2782E-02	0	0- 45	0.1125E-01	90-135	0.1125E-01
15-30.00	0.1548E 00	-7.5 TO 37.5	0.3811E-02	82.5-127.5	0.1322E-02	15	0- 45	0.1398E-01	90-135	0.5990E-02
30-45.00	0.2463E 00	-7.5 TO 37.5	0.1808E-02	82.5-127.5	0.4163E-03	30	0- 45	0.8225E-02	90-135	0.2017E-02
45-60.00	0.3210E 00	-7.5 TO 37.5	0.4885E-03	82.5-127.5	0.4943E-04	45	0- 45	0.2944E-02	90-135	0.4281E-03
60-65.51	0.2325E 00	-7.5 TO 37.5	0.2750E-04	82.5-127.5	0.	60	0- 45	0.3057E-03	90-135	0.
0-15.00	0.7041E-01	-7.5 TO 52.5	0.4630E-02	82.5-142.5	0.2658E-02	0	0- 60	0.1500E-01	90-150	0.1500E-01
15-30.00	0.2064E 00	-7.5 TO 52.5	0.3635E-02	82.5-142.5	0.1208E-02	15	0- 60	0.1782E-01	90-150	0.7496E-02
30-45.00	0.3284E 00	-7.5 TO 52.5	0.1700E-02	82.5-142.5	0.3672E-03	30	0- 60	0.1024E-01	90-150	0.2427E-02
45-60.00	0.4280E 00	-7.5 TO 52.5	0.4993E-03	82.5-142.5	0.4101E-04	45	0- 60	0.3604E-02	90-150	0.4948E-03
60-65.51	0.3100E 00	-7.5 TO 52.5	0.2270E-04	82.5-142.5	0.	60	0- 60	0.3362E-03	90-150	0.
0-15.00	0.8802E-01	-7.5 TO 67.5	0.4481E-02	82.5-157.5	0.2555E-02	0	0- 75	0.1875E-01	90-165	0.1875E-01
15-30.00	0.2581E 00	-7.5 TO 67.5	0.3426E-02	82.5-157.5	0.1117E-02	15	0- 75	0.2113E-01	90-165	0.8882E-02
30-45.00	0.4105E 00	-7.5 TO 67.5	0.1576E-02	82.5-157.5	0.3300E-03	30	0- 75	0.1181E-01	90-165	0.2786E-02
45-60.00	0.5350E 00	-7.5 TO 67.5	0.4051E-03	82.5-157.5	0.3512E-04	45	0- 75	0.4081E-02	90-165	0.5492E-03
60-65.51	0.3875E 00	-7.5 TO 67.5	0.1854E-04	82.5-157.5	0.	60	0- 75	0.3425E-03	90-165	0.
0-15.00	0.1056E 00	-7.5 TO 82.5	0.4314E-02	82.5-172.5	0.2472E-02	0	0- 90	0.2250E-01	90-180	0.2250E-01
15-30.00	0.3097E 00	-7.5 TO 82.5	0.3202E-02	82.5-172.5	0.1047E-02	15	0- 90	0.2391E-01	90-180	0.1021E-01
30-45.00	0.4926E 00	-7.5 TO 82.5	0.1446E-02	82.5-172.5	0.3019E-03	30	0- 90	0.1300E-01	90-180	0.3120E-02
45-60.00	0.6420E 00	-7.5 TO 82.5	0.3607E-03	82.5-172.5	0.3079E-04	45	0- 90	0.4403E-02	90-180	0.5984E-03
60-65.51	0.4650E 00	-7.5 TO 82.5	0.1547E-04	82.5-172.5	0.	60	0- 90	0.3426E-03	90-180	0.
0-15.00	0.1232E 00	-7.5 TO 97.5	0.4140E-02	82.5-187.5	0.2409E-02	0	0-105	0.2625E-01	90-195	0.2625E-01
15-30.00	0.3613E 00	-7.5 TO 97.5	0.2979E-02	82.5-187.5	0.9948E-03	15	0-105	0.2624E-01	90-195	0.1154E-01
30-45.00	0.5747E 00	-7.5 TO 97.5	0.1321E-02	82.5-187.5	0.2809E-03	30	0-105	0.1387E-01	90-195	0.3455E-02
45-60.00	0.7490E 00	-7.5 TO 97.5	0.3207E-03	82.5-187.5	0.2761E-04	45	0-105	0.4609E-02	90-195	0.6476E-03
60-65.51	0.5424E 00	-7.5 TO 97.5	0.1326E-04	82.5-187.5	0.	60	0-105	0.3426E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

r_2/r_1 = 0.30 d/r_1 = 2.000 $\cosh \mu_1$ = 1.2275 $\cosh \mu_2$ = 2.5750 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 67.15

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1766E-01	-7.5 TO 7.5	0.4958E-02	82.5- 97.5	0.3096E-02	0	0- 15	0.3750E-02	90-105	0.3750E-02
15-30.00	0.5161E-01	-7.5 TO 7.5	0.4318E-02	82.5- 97.5	0.1640E-02	15	0- 15	0.5110E-02	90-105	0.2329E-02
30-45.00	0.8210E-01	-7.5 TO 7.5	0.2217E-02	82.5- 97.5	0.5678E-03	30	0- 15	0.3352E-02	90-105	0.8689E-03
45-60.00	0.1071E 00	-7.5 TO 7.5	0.6582E-03	82.5- 97.5	0.8100E-04	45	0- 15	0.1307E-02	90-105	0.2059E-03
60-69.51	0.7749E-01	-7.5 TO 7.5	0.5632E-04	82.5- 97.5	0.	60	0- 15	0.1857E-03	90-105	0.
0-15.00	0.3521E-01	-7.5 TO 22.5	0.4917E-02	82.5-112.5	0.2928E-02	0	0- 30	0.7500E-02	90-120	0.7500E-02
15-30.00	0.1032E 00	-7.5 TO 22.5	0.4249E-02	82.5-112.5	0.1464E-02	15	0- 30	0.9979E-02	90-120	0.4295E-02
30-45.00	0.1642E 00	-7.5 TO 22.5	0.2171E-02	82.5-112.5	0.4820E-03	30	0- 30	0.6455E-02	90-120	0.1516E-02
45-60.00	0.2140E 00	-7.5 TO 22.5	0.6402E-03	82.5-112.5	0.6231E-04	45	0- 30	0.2494E-02	90-120	0.3381E-03
60-69.51	0.1550E 00	-7.5 TO 22.5	0.5278E-04	82.5-112.5	0.	60	0- 30	0.3384E-03	90-120	0.
0-15.00	0.5281E-01	-7.5 TO 37.5	0.4825E-02	82.5-127.5	0.2782E-02	0	0- 45	0.1125E-01	90-135	0.1125E-01
15-30.00	0.1548E 00	-7.5 TO 37.5	0.4098E-02	82.5-127.5	0.1322E-02	15	0- 45	0.1442E-01	90-135	0.5990E-02
30-45.00	0.2463E 00	-7.5 TO 37.5	0.2072E-02	82.5-127.5	0.4169E-03	30	0- 45	0.9123E-02	90-135	0.2017E-02
45-60.00	0.3210E 00	-7.5 TO 37.5	0.6017E-03	82.5-127.5	0.4971E-04	45	0- 45	0.3477E-02	90-135	0.4281E-03
60-69.51	0.2325E 00	-7.5 TO 37.5	0.4596E-04	82.5-127.5	0.	60	0- 45	0.4381E-03	90-135	0.
0-15.00	0.7041E-01	-7.5 TO 52.5	0.4694E-02	82.5-142.5	0.2658E-02	0	0- 60	0.1500E-01	90-150	0.1500E-01
15-30.00	0.2064E 00	-7.5 TO 52.5	0.3886E-02	82.5-142.5	0.1208E-02	15	0- 60	0.1831E-01	90-150	0.7496E-02
30-45.00	0.3284E 00	-7.5 TO 52.5	0.1936E-02	82.5-142.5	0.3676E-03	30	0- 60	0.1126E-01	90-150	0.2427E-02
45-60.00	0.4280E 00	-7.5 TO 52.5	0.5497E-03	82.5-142.5	0.4122E-04	45	0- 60	0.4218E-02	90-150	0.4948E-03
60-69.51	0.3100E 00	-7.5 TO 52.5	0.3817E-04	82.5-142.5	0.	60	0- 60	0.4842E-03	90-150	0.
0-15.00	0.8802E-01	-7.5 TO 67.5	0.4534E-02	82.5-157.5	0.2555E-02	0	0- 75	0.1875E-01	90-165	0.1875E-01
15-30.00	0.2581E 00	-7.5 TO 67.5	0.3640E-02	82.5-157.5	0.1118E-02	15	0- 75	0.2162E-01	90-165	0.8882E-02
30-45.00	0.4105E 00	-7.5 TO 67.5	0.1779E-02	82.5-157.5	0.3303E-03	30	0- 75	0.1288E-01	90-165	0.2786E-02
45-60.00	0.5350E 00	-7.5 TO 67.5	0.4917E-03	82.5-157.5	0.3529E-04	45	0- 75	0.4728E-02	90-165	0.5493E-03
60-69.51	0.3875E 00	-7.5 TO 67.5	0.3130E-04	82.5-157.5	0.	60	0- 75	0.4949E-03	90-165	0.
0-15.00	0.1056E 00	-7.5 TO 82.5	0.4359E-02	82.5-172.5	0.2472E-02	0	0- 90	0.2250E-01	90-180	0.2250E-01
15-30.00	0.3097E 00	-7.5 TO 82.5	0.3383E-02	82.5-172.5	0.1048E-02	15	0- 90	0.2441E-01	90-180	0.1021E-01
30-45.00	0.4926E 00	-7.5 TO 82.5	0.1619E-02	82.5-172.5	0.3021E-03	30	0- 90	0.1407E-01	90-180	0.3120E-02
45-60.00	0.6420E 00	-7.5 TO 82.5	0.4344E-03	82.5-172.5	0.3093E-04	45	0- 90	0.5055E-02	90-180	0.5984E-03
60-69.51	0.4650E 00	-7.5 TO 82.5	0.2614E-04	82.5-172.5	0.	60	0- 90	0.4952E-03	90-180	0.
0-15.00	0.1232E 00	-7.5 TO 97.5	0.4178E-02	82.5-187.5	0.2409E-02	0	0-105	0.2625E-01	90-195	0.2625E-01
15-30.00	0.3613E 00	-7.5 TO 97.5	0.3134E-02	82.5-187.5	0.9949E-03	15	0-105	0.2674E-01	90-195	0.1154E-01
30-45.00	0.5747E 00	-7.5 TO 97.5	0.1498E-02	82.5-187.5	0.2811E-03	30	0-105	0.1494E-01	90-195	0.3455E-02
45-60.00	0.7495E 00	-7.5 TO 97.5	0.3839E-03	82.5-187.5	0.2773E-04	45	0-105	0.5261E-02	90-195	0.6476E-03
60-69.51	0.5424E 00	-7.5 TO 97.5	0.2241E-04	82.5-187.5	0.	60	0-105	0.4952E-03	90-195	0.

r_2/r_1 = 0.30 d/r_1 = 2.000 $\cosh \mu_1$ = 1.2275 $\cosh \mu_2$ = 2.5750 $\alpha_{2,max}$ = 105.00 $\theta_{2,min}$ = 53.98

0-15.00	0.1766E-01	-7.5 TO 7.5	0.4958E-02	82.5- 97.5	0.3096E-02	0	0- 15	0.3750E-02	90-105	0.3750E-02
15-30.00	0.5161E-01	-7.5 TO 7.5	0.4342E-02	82.5- 97.5	0.1640E-02	15	0- 15	0.5110E-02	90-105	0.2329E-02
30-45.00	0.8210E-01	-7.5 TO 7.5	0.2297E-02	82.5- 97.5	0.5678E-03	30	0- 15	0.3410E-02	90-105	0.8689E-03
45-60.00	0.1070E 00	-7.5 TO 7.5	0.7102E-03	82.5- 97.5	0.8100E-04	45	0- 15	0.1383E-02	90-105	0.2059E-03
60-69.51	0.7749E-01	-7.5 TO 7.5	0.6818E-04	82.5- 97.5	0.	60	0- 15	0.2116E-03	90-105	0.
0-15.00	0.3521E-01	-7.5 TO 22.5	0.4917E-02	82.5-112.5	0.2928E-02	0	0- 30	0.7500E-02	90-120	0.7500E-02
15-30.00	0.1032E 00	-7.5 TO 22.5	0.4270E-02	82.5-112.5	0.1464E-02	15	0- 30	0.9979E-02	90-120	0.4295E-02
30-45.00	0.1642E 00	-7.5 TO 22.5	0.2245E-02	82.5-112.5	0.4820E-03	30	0- 30	0.6553E-02	90-120	0.1516E-02
45-60.00	0.2140E 00	-7.5 TO 22.5	0.6892E-03	82.5-112.5	0.6231E-04	45	0- 30	0.2628E-02	90-120	0.3381E-03
60-69.51	0.1550E 00	-7.5 TO 22.5	0.6380E-04	82.5-112.5	0.	60	0- 30	0.3841E-03	90-120	0.
0-15.00	0.5281E-01	-7.5 TO 37.5	0.4825E-02	82.5-127.5	0.2782E-02	0	0- 45	0.1125E-01	90-135	0.1125E-01
15-30.00	0.1548E 00	-7.5 TO 37.5	0.4115E-02	82.5-127.5	0.1322E-02	15	0- 45	0.1442E-01	90-135	0.5990E-02
30-45.00	0.2463E 00	-7.5 TO 37.5	0.2136E-02	82.5-127.5	0.4169E-03	30	0- 45	0.9235E-02	90-135	0.2017E-02
45-60.00	0.3210E 00	-7.5 TO 37.5	0.6445E-03	82.5-127.5	0.4971E-04	45	0- 45	0.3640E-02	90-135	0.4281E-03
60-69.51	0.2325E 00	-7.5 TO 37.5	0.5533E-04	82.5-127.5	0.	60	0- 45	0.4942E-03	90-135	0.
0-15.00	0.7041E-01	-7.5 TO 52.5	0.4694E-02	82.5-142.5	0.2658E-02	0	0- 60	0.1500E-01	90-150	0.1500E-01
15-30.00	0.2064E 00	-7.5 TO 52.5	0.3900E-02	82.5-142.5	0.1208E-02	15	0- 60	0.1831E-01	90-150	0.7496E-02
30-45.00	0.3284E 00	-7.5 TO 52.5	0.1987E-02	82.5-142.5	0.3676E-03	30	0- 60	0.1137E-01	90-150	0.2427E-02
45-60.00	0.4280E 00	-7.5 TO 52.5	0.5850E-03	82.5-142.5	0.4122E-04	45	0- 60	0.4389E-02	90-150	0.4948E-03
60-69.51	0.3100E 00	-7.5 TO 52.5	0.4573E-04	82.5-142.5	0.	60	0- 60	0.5432E-03	90-150	0.
0-15.00	0.8802E-01	-7.5 TO 67.5	0.4534E-02	82.5-157.5	0.2555E-02	0	0- 75	0.1875E-01	90-165	0.1875E-01
15-30.00	0.2581E 00	-7.5 TO 67.5	0.3651E-02	82.5-157.5	0.1118E-02	15	0- 75	0.2162E-01	90-165	0.8882E-02
30-45.00	0.4105E 00	-7.5 TO 67.5	0.1820E-02	82.5-157.5	0.3303E-03	30	0- 75	0.1300E-01	90-165	0.2786E-02
45-60.00	0.5350E 00	-7.5 TO 67.5	0.5203E-03	82.5-157.5	0.3529E-04	45	0- 75	0.4898E-02	90-165	0.5493E-03
60-69.51	0.3875E 00	-7.5 TO 67.5	0.3741E-04	82.5-157.5	0.	60	0- 75	0.5540E-03	90-165	0.
0-15.00	0.1056E 00	-7.5 TO 82.5	0.4359E-02	82.5-172.5	0.2472E-02	0	0- 90	0.2250E-01	90-180	0.2250E-01
15-30.00	0.3097E 00	-7.5 TO 82.5	0.3392E-02	82.5-172.5	0.1048E-02	15	0- 90	0.2441E-01	90-180	0.1021E-01
30-45.00	0.4926E 00	-7.5 TO 82.5	0.1653E-02	82.5-172.5	0.3021E-03	30	0- 90	0.1419E-01	90-180	0.3120E-02
45-60.00	0.6420E 00	-7.5 TO 82.5	0.4582E-03	82.5-172.5	0.3093E-04	45	0- 90	0.5226E-02	90-180	0.5984E-03
60-69.51	0.4650E 00	-7.5 TO 82.5	0.3123E-04	82.5-172.5	0.	60	0- 90	0.5544E-03	90-180	0.
0-15.00	0.1232E 00	-7.5 TO 97.5	0.4178E-02	82.5-187.5	0.2409E-02	0	0-105	0.2625E-01	90-195	0.2625E-01
15-30.00	0.3613E 00	-7.5 TO 97.5	0.3142E-02	82.5-187.5	0.9949E-03	15	0-105	0.2674E-01	90-195	0.1154E-01
30-45.00	0.5747E 00	-7.5 TO 97.5	0.1498E-02	82.5-187.5	0.2811E-03	30	0-105	0.1506E-01	90-195	0.3455E-02
45-60.00	0.7495E 00	-7.5 TO 97.5	0.4043E-03	82.5-187.5	0.2773E-04	45	0-105	0.5432E-02	90-195	0.6476E-03
60-69.51	0.5424E 00	-7.5 TO 97.5	0.2677E-04	82.5-187.5	0.	60	0-105	0.5544E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

r_2/r_1 = 0.30 d/r_1 = 2.000 cosh μ_1 = 1.2275 cosh μ_2 = 2.5750 $\alpha_{2,max}$ = 110.49 $\theta_{2,min}$ = 49.46

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1760E-01	-7.5 TO 7.5	0.4958E-02	82.5- 97.5	0.3096E-02	0	0- 15	0.3750E-02	90-105	0.3750E-02
15-30.00	0.5161E-01	-7.5 TO 7.5	0.4342E-02	82.5- 97.5	0.1640E-02	15	0- 15	0.5110E-02	90-105	0.2329E-02
30-45.00	0.8210E-01	-7.5 TO 7.5	0.2297E-02	82.5- 97.5	0.5678E-03	30	0- 15	0.3410E-02	90-105	0.8689E-03
45-60.00	0.1070E 00	-7.5 TO 7.5	0.7120E-03	82.5- 97.5	0.8100E-04	45	0- 15	0.1383E-02	90-105	0.2059E-03
60-65.51	0.3749E-01	-7.5 TO 7.5	0.6896E-04	82.5- 97.5	0.	60	0- 15	0.2130E-03	90-105	0.
0-15.00	0.3521E-01	-7.5 TO 22.5	0.4917E-02	82.5-112.5	0.2928E-02	0	0- 30	0.7500E-02	90-120	0.7500E-02
15-30.00	0.1032E 00	-7.5 TO 22.5	0.4270E-02	82.5-112.5	0.1464E-02	15	0- 30	0.9979E-02	90-120	0.4295E-02
30-45.00	0.1642E 00	-7.5 TO 22.5	0.2245E-02	82.5-112.5	0.4820E-03	30	0- 30	0.6553E-02	90-120	0.1516E-02
45-60.00	0.2140E 00	-7.5 TO 22.5	0.6906E-03	82.5-112.5	0.6231E-04	45	0- 30	0.2629E-02	90-120	0.3381E-03
60-65.51	0.1550E 00	-7.5 TO 22.5	0.6445E-04	82.5-112.5	0.	60	0- 30	0.3861E-03	90-120	0.
0-15.00	0.5281E-01	-7.5 TO 37.5	0.4825E-02	82.5-127.5	0.2782E-02	0	0- 45	0.1125E-01	90-135	0.1125E-01
15-30.00	0.1548E 00	-7.5 TO 37.5	0.4115E-02	82.5-127.5	0.1322E-02	15	0- 45	0.1442E-01	90-135	0.5990E-02
30-45.00	0.2463E 00	-7.5 TO 37.5	0.2136E-02	82.5-127.5	0.4169E-03	30	0- 45	0.9235E-02	90-135	0.2017E-02
45-60.00	0.3210E 00	-7.5 TO 37.5	0.6454E-03	82.5-127.5	0.4971E-04	45	0- 45	0.3641E-02	90-135	0.4281E-03
60-65.51	0.2325E 00	-7.5 TO 37.5	0.5579E-04	82.5-127.5	0.	60	0- 45	0.4962E-03	90-135	0.
0-15.00	0.7041E-01	-7.5 TO 52.5	0.4694E-02	82.5-142.5	0.2658E-02	0	0- 60	0.1500E-01	90-150	0.1500E-01
15-30.00	0.2064E 00	-7.5 TO 52.5	0.3900E-02	82.5-142.5	0.1208E-02	15	0- 60	0.1831E-01	90-150	0.7496E-02
30-45.00	0.3284E 00	-7.5 TO 52.5	0.1987E-02	82.5-142.5	0.3676E-03	30	0- 60	0.1137E-01	90-150	0.2427E-02
45-60.00	0.4280E 00	-7.5 TO 52.5	0.5857E-03	82.5-142.5	0.4122E-04	45	0- 60	0.4389E-02	90-150	0.4948E-03
60-65.51	0.3100E 00	-7.5 TO 52.5	0.4608E-04	82.5-142.5	0.	60	0- 60	0.5452E-03	90-150	0.
0-15.00	0.8802E-01	-7.5 TO 67.5	0.4534E-02	82.5-157.5	0.2555E-02	0	0- 75	0.1875E-01	90-165	0.1875E-01
15-30.00	0.2581E 00	-7.5 TO 67.5	0.3651E-02	82.5-157.5	0.1118E-02	15	0- 75	0.2162E-01	90-165	0.8882E-02
30-45.00	0.4105E 00	-7.5 TO 67.5	0.1820E-02	82.5-157.5	0.3303E-03	30	0- 75	0.1300E-01	90-165	0.2786E-02
45-60.00	0.5350E 00	-7.5 TO 67.5	0.5209E-03	82.5-157.5	0.3529E-04	45	0- 75	0.4899E-02	90-165	0.5493E-03
60-65.51	0.3875E 00	-7.5 TO 67.5	0.3769E-04	82.5-157.5	0.	60	0- 75	0.5560E-03	90-165	0.
0-15.00	0.1056E 00	-7.5 TO 82.5	0.4359E-02	82.5-172.5	0.2472E-02	0	0- 90	0.2250E-01	90-180	0.2250E-01
15-30.00	0.3097E 00	-7.5 TO 82.5	0.3392E-02	82.5-172.5	0.1048E-02	15	0- 90	0.2441E-01	90-180	0.1021E-01
30-45.00	0.4926E 00	-7.5 TO 82.5	0.1653E-02	82.5-172.5	0.3021E-03	30	0- 90	0.1419E-01	90-180	0.3120E-02
45-60.00	0.6420E 00	-7.5 TO 82.5	0.4587E-03	82.5-172.5	0.3093E-04	45	0- 90	0.5226E-02	90-180	0.5984E-03
60-65.51	0.4650E 00	-7.5 TO 82.5	0.3146E-04	82.5-172.5	0.	60	0- 90	0.5564E-03	90-180	0.
0-15.00	0.1232E 00	-7.5 TO 97.5	0.4178E-02	82.5-187.5	0.2409E-02	0	0-105	0.2625E-01	90-195	0.2625E-01
15-30.00	0.3613E 00	-7.5 TO 97.5	0.3142E-02	82.5-187.5	0.9949E-03	15	0-105	0.2674E-01	90-195	0.1154E-01
30-45.00	0.5747E 00	-7.5 TO 97.5	0.1498E-02	82.5-187.5	0.2811E-03	30	0-105	0.1506E-01	90-195	0.3455E-02
45-60.00	0.7490E 00	-7.5 TO 97.5	0.4047E-03	82.5-187.5	0.2773E-04	45	0-105	0.5432E-02	90-195	0.6476E-03
60-65.51	0.5424E 00	-7.5 TO 97.5	0.2697E-04	82.5-187.5	0.	60	0-105	0.5564E-03	90-195	0.

r_2/r_1 = 0.30 d/r_1 = 3.000 cosh μ_1 = 1.6517 cosh μ_2 = 4.4944 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 161.25

0-15.00	0.5164E-02	-7.5 TO 7.5	0.8199E-04	82.5- 97.5	0.7923E-04	0	0- 15	0.8571E-04	90-105	0.8571E-04
15-30.00	0.1514E-01	-7.5 TO 7.5	0.6340E-04	82.5- 97.5	0.5885E-04	15	0- 15	0.7698E-04	90-105	0.7265E-04
30-45.00	0.2408E-01	-7.5 TO 7.5	0.3730E-04	82.5- 97.5	0.3335E-04	30	0- 15	0.5128E-04	90-105	0.4610E-04
45-60.00	0.3138E-01	-7.5 TO 7.5	0.1575E-04	82.5- 97.5	0.1346E-04	45	0- 15	0.2574E-04	90-105	0.2217E-04
60-75.00	0.3654E-01	-7.5 TO 7.5	0.2218E-05	82.5- 97.5	0.1578E-05	60	0- 15	0.7666E-05	90-105	0.5983E-05
75-76.51	0.3861E-02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1032E-01	-7.5 TO 22.5	0.8195E-04	82.5-112.5	0.7889E-04	0	0- 30	0.1714E-03	90-120	0.1714E-03
15-30.00	0.3027E-01	-7.5 TO 22.5	0.6332E-04	82.5-112.5	0.5829E-04	15	0- 30	0.1537E-03	90-120	0.1444E-03
30-45.00	0.4815E-01	-7.5 TO 22.5	0.3723E-04	82.5-112.5	0.3286E-04	30	0- 30	0.1022E-03	90-120	0.9110E-04
45-60.00	0.6276E-01	-7.5 TO 22.5	0.1571E-04	82.5-112.5	0.1318E-04	45	0- 30	0.5125E-04	90-120	0.4359E-04
60-75.00	0.7308E-01	-7.5 TO 22.5	0.2205E-05	82.5-112.5	0.1504E-05	60	0- 30	0.1522E-04	90-120	0.1163E-04
75-76.51	0.7722E-02	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.1549E-01	-7.5 TO 37.5	0.8184E-04	82.5-127.5	0.7855E-04	0	0- 45	0.2571E-03	90-135	0.2571E-03
15-30.00	0.4541E-01	-7.5 TO 37.5	0.6314E-04	82.5-127.5	0.5775E-04	15	0- 45	0.2299E-03	90-135	0.2152E-03
30-45.00	0.7223E-01	-7.5 TO 37.5	0.3707E-04	82.5-127.5	0.3241E-04	30	0- 45	0.1526E-03	90-135	0.1351E-03
45-60.00	0.9413E-01	-7.5 TO 37.5	0.1562E-04	82.5-127.5	0.1292E-04	45	0- 45	0.7633E-04	90-135	0.6436E-04
60-75.00	0.1096E 00	-7.5 TO 37.5	0.2178E-05	82.5-127.5	0.1436E-05	60	0- 45	0.2257E-04	90-135	0.1698E-04
75-76.51	0.1158E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.2065E-01	-7.5 TO 52.5	0.8167E-04	82.5-142.5	0.7825E-04	0	0- 60	0.3428E-03	90-150	0.3428E-03
15-30.00	0.6054E-01	-7.5 TO 52.5	0.6286E-04	82.5-142.5	0.5727E-04	15	0- 60	0.3054E-03	90-150	0.2854E-03
30-45.00	0.9631E-01	-7.5 TO 52.5	0.3683E-04	82.5-142.5	0.3200E-04	30	0- 60	0.2020E-03	90-150	0.1784E-03
45-60.00	0.1255E 00	-7.5 TO 52.5	0.1548E-04	82.5-142.5	0.1269E-04	45	0- 60	0.1008E-03	90-150	0.8461E-04
60-75.00	0.1462E 00	-7.5 TO 52.5	0.2137E-05	82.5-142.5	0.1375E-05	60	0- 60	0.2963E-04	90-150	0.2210E-04
75-76.51	0.1544E-01	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.2581E-01	-7.5 TO 67.5	0.8146E-04	82.5-157.5	0.7798E-04	0	0- 75	0.4285E-03	90-165	0.4285E-03
15-30.00	0.7568E-01	-7.5 TO 67.5	0.6251E-04	82.5-157.5	0.5684E-04	15	0- 75	0.3800E-03	90-165	0.3552E-03
30-45.00	0.1204E 00	-7.5 TO 67.5	0.3652E-04	82.5-157.5	0.3164E-04	30	0- 75	0.2504E-03	90-165	0.2211E-03
45-60.00	0.1569E 00	-7.5 TO 67.5	0.1530E-04	82.5-157.5	0.1249E-04	45	0- 75	0.1245E-03	90-165	0.1045E-03
60-75.00	0.1827E 00	-7.5 TO 67.5	0.2086E-05	82.5-157.5	0.1323E-05	60	0- 75	0.3635E-04	90-165	0.2705E-04
75-76.51	0.1931E-01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.3057E-01	-7.5 TO 82.5	0.8120E-04	82.5-172.5	0.7776E-04	0	0- 90	0.5143E-03	90-180	0.5143E-03
15-30.00	0.9081E-01	-7.5 TO 82.5	0.6209E-04	82.5-172.5	0.5649E-04	15	0- 90	0.4536E-03	90-180	0.4246E-03
30-45.00	0.1445E 00	-7.5 TO 82.5	0.3616E-04	82.5-172.5	0.3134E-04	30	0- 90	0.2977E-03	90-180	0.2635E-03
45-60.00	0.1883E 00	-7.5 TO 82.5	0.1508E-04	82.5-172.5	0.1232E-04	45	0- 90	0.1475E-03	90-180	0.1242E-03
60-75.00	0.2192E 00	-7.5 TO 82.5	0.2027E-05	82.5-172.5	0.1282E-05	60	0- 90	0.4270E-04	90-180	0.3193E-04
75-76.51	0.2317E-01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.3614E-01	-7.5 TO 97.5	0.8092E-04	82.5-187.5	0.7759E-04	0	0-105	0.6000E-03	90-195	0.6000E-03
15-30.00	0.1059E 00	-7.5 TO 97.5	0.6163E-04	82.5-187.5	0.5622E-04	15	0-105	0.5263E-03	90-195	0.4941E-03
30-45.00	0.1685E 00	-7.5 TO 97.5	0.3575E-04	82.5-187.5	0.3112E-04	30	0-105	0.3438E-03	90-195	0.3060E-03
45-60.00	0.2196E 00	-7.5 TO 97.5	0.1485E-04	82.5-187.5	0.1220E-04	45	0-105	0.1697E-03	90-195	0.1439E-03
60-75.00	0.2558E 00	-7.5 TO 97.5	0.1963E-05	82.5-187.5	0.1250E-05	60	0-105	0.4868E-04	90-195	0.3681E-04
75-76.51	0.2703E-01	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

r_2/r_1 = 0.30 d/r_1 = 3.000 $\cosh \mu_1$ = 1.6517 $\cosh \mu_2$ = 4.4944 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 142.86

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5162E-02	-7.5 TO 7.5	0.3042E-03	82.5- 97.5	0.2844E-03	0	0- 15	0.3073E-03	90-105	0.3073E-03
15-30.00	0.1514E-01	-7.5 TO 7.5	0.2453E-03	82.5- 97.5	0.2120E-03	15	0- 15	0.2905E-03	90-105	0.2593E-03
30-45.00	0.2466E-01	-7.5 TO 7.5	0.1504E-03	82.5- 97.5	0.1208E-03	30	0- 15	0.2026E-03	90-105	0.1645E-03
45-60.00	0.3138E-01	-7.5 TO 7.5	0.6664E-04	82.5- 97.5	0.4914E-04	45	0- 15	0.1060E-03	90-105	0.7922E-04
60-75.00	0.3654E-01	-7.5 TO 7.5	0.1115E-04	82.5- 97.5	0.5912E-05	60	0- 15	0.3427E-04	90-105	0.2144E-04
75-76.51	0.3881E-02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1032E-01	-7.5 TO 22.5	0.3039E-03	82.5-112.5	0.2819E-03	0	0- 30	0.6146E-03	90-120	0.6146E-03
15-30.00	0.3027E-01	-7.5 TO 22.5	0.2447E-03	82.5-112.5	0.2080E-03	15	0- 30	0.5791E-03	90-120	0.5120E-03
30-45.00	0.4815E-01	-7.5 TO 22.5	0.1499E-03	82.5-112.5	0.1174E-03	30	0- 30	0.4027E-03	90-120	0.3212E-03
45-60.00	0.6276E-01	-7.5 TO 22.5	0.6631E-04	82.5-112.5	0.4720E-04	45	0- 30	0.2103E-03	90-120	0.1532E-03
60-75.00	0.7308E-01	-7.5 TO 22.5	0.1104E-04	82.5-112.5	0.5401E-05	60	0- 30	0.6764E-04	90-120	0.4054E-04
75-76.51	0.7722E-02	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.1549E-01	-7.5 TO 37.5	0.3031E-03	82.5-127.5	0.2796E-03	0	0- 45	0.9219E-03	90-135	0.9219E-03
15-30.00	0.4541E-01	-7.5 TO 37.5	0.2434E-03	82.5-127.5	0.2042E-03	15	0- 45	0.8639E-03	90-135	0.7589E-03
30-45.00	0.7223E-01	-7.5 TO 37.5	0.1486E-03	82.5-127.5	0.1142E-03	30	0- 45	0.5981E-03	90-135	0.4713E-03
45-60.00	0.9413E-01	-7.5 TO 37.5	0.6556E-04	82.5-127.5	0.4542E-04	45	0- 45	0.3111E-03	90-135	0.2228E-03
60-75.00	0.1096E 00	-7.5 TO 37.5	0.1080E-04	82.5-127.5	0.4949E-05	60	0- 45	0.9933E-04	90-135	0.5770E-04
75-76.51	0.1158E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.2065E-01	-7.5 TO 52.5	0.3019E-03	82.5-142.5	0.2775E-03	0	0- 60	0.1229E-02	90-150	0.1229E-02
15-30.00	0.6054E-01	-7.5 TO 52.5	0.2413E-03	82.5-142.5	0.2009E-03	15	0- 60	0.1143E-02	90-150	0.1001E-02
30-45.00	0.9631E-01	-7.5 TO 52.5	0.1467E-03	82.5-142.5	0.1114E-03	30	0- 60	0.7869E-03	90-150	0.6161E-03
45-60.00	0.1255E 00	-7.5 TO 52.5	0.6444E-04	82.5-142.5	0.4384E-04	45	0- 60	0.4073E-03	90-150	0.2889E-03
60-75.00	0.1462E 00	-7.5 TO 52.5	0.1044E-04	82.5-142.5	0.4578E-05	60	0- 60	0.1288E-03	90-150	0.7337E-04
75-76.51	0.1544E-01	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.2581E-01	-7.5 TO 67.5	0.3003E-03	82.5-157.5	0.2756E-03	0	0- 75	0.1536E-02	90-165	0.1536E-02
15-30.00	0.7568E-01	-7.5 TO 67.5	0.2387E-03	82.5-157.5	0.1979E-03	15	0- 75	0.1417E-02	90-165	0.1240E-02
30-45.00	0.1204E 00	-7.5 TO 67.5	0.1444E-03	82.5-157.5	0.1089E-03	30	0- 75	0.9680E-03	90-165	0.7574E-03
45-60.00	0.1569E 00	-7.5 TO 67.5	0.6302E-04	82.5-157.5	0.4249E-04	45	0- 75	0.4980E-03	90-165	0.3527E-03
60-75.00	0.1827E 00	-7.5 TO 67.5	0.9991E-05	82.5-157.5	0.4282E-05	60	0- 75	0.1555E-03	90-165	0.8806E-04
75-76.51	0.1931E-01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.3097E-01	-7.5 TO 82.5	0.2985E-03	82.5-172.5	0.2741E-03	0	0- 90	0.1844E-02	90-180	0.1844E-02
15-30.00	0.9081E-01	-7.5 TO 82.5	0.2356E-03	82.5-172.5	0.1955E-03	15	0- 90	0.1683E-02	90-180	0.1477E-02
30-45.00	0.1445E 00	-7.5 TO 82.5	0.1416E-03	82.5-172.5	0.1069E-03	30	0- 90	0.1141E-02	90-180	0.8967E-03
45-60.00	0.1883E 00	-7.5 TO 82.5	0.6140E-04	82.5-172.5	0.4138E-04	45	0- 90	0.5829E-03	90-180	0.4153E-03
60-75.00	0.2192E 00	-7.5 TO 82.5	0.9498E-05	82.5-172.5	0.4048E-05	60	0- 90	0.1796E-03	90-180	0.1022E-03
75-76.51	0.2317E-01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.3614E-01	-7.5 TO 97.5	0.2965E-03	82.5-187.5	0.2729E-03	0	0-105	0.2151E-02	90-195	0.2151E-02
15-30.00	0.1059E 00	-7.5 TO 97.5	0.2322E-03	82.5-187.5	0.1937E-03	15	0-105	0.1942E-02	90-195	0.1715E-02
30-45.00	0.1685E 00	-7.5 TO 97.5	0.1387E-03	82.5-187.5	0.1054E-03	30	0-105	0.1305E-02	90-195	0.1036E-02
45-60.00	0.2196E 00	-7.5 TO 97.5	0.5965E-04	82.5-187.5	0.4053E-04	45	0-105	0.6621E-03	90-195	0.4778E-03
60-75.00	0.2555E 00	-7.5 TO 97.5	0.8986E-05	82.5-187.5	0.3871E-05	60	0-105	0.2010E-03	90-195	0.1164E-03
75-76.51	0.2703E-01	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

r_2/r_1 = 0.30 d/r_1 = 3.000 $\cosh \mu_1$ = 1.6517 $\cosh \mu_2$ = 4.4944 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 125.11

0-15.00	0.5162E-02	-7.5 TO 7.5	0.3920E-03	82.5- 97.5	0.5360E-03	0	0- 15	0.5784E-03	90-105	0.5784E-03
15-30.00	0.1514E-01	-7.5 TO 7.5	0.4976E-03	82.5- 97.5	0.4015E-03	15	0- 15	0.5748E-03	90-105	0.4864E-03
30-45.00	0.2466E-01	-7.5 TO 7.5	0.3177E-03	82.5- 97.5	0.2307E-03	30	0- 15	0.4195E-03	90-105	0.3090E-03
45-60.00	0.3138E-01	-7.5 TO 7.5	0.1472E-03	82.5- 97.5	0.9496E-04	45	0- 15	0.2287E-03	90-105	0.1496E-03
60-75.00	0.3654E-01	-7.5 TO 7.5	0.2834E-04	82.5- 97.5	0.1184E-04	60	0- 15	0.7922E-04	90-105	0.4090E-04
75-76.51	0.3881E-02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1032E-01	-7.5 TO 22.5	0.5910E-03	82.5-112.5	0.5292E-03	0	0- 30	0.1157E-02	90-120	0.1157E-02
15-30.00	0.3027E-01	-7.5 TO 22.5	0.4958E-03	82.5-112.5	0.3904E-03	15	0- 30	0.1144E-02	90-120	0.9545E-03
30-45.00	0.4815E-01	-7.5 TO 22.5	0.3160E-03	82.5-112.5	0.2212E-03	30	0- 30	0.8315E-03	90-120	0.5966E-03
45-60.00	0.6276E-01	-7.5 TO 22.5	0.1462E-03	82.5-112.5	0.8954E-04	45	0- 30	0.4519E-03	90-120	0.2848E-03
60-75.00	0.7308E-01	-7.5 TO 22.5	0.2796E-04	82.5-112.5	0.1045E-04	60	0- 30	0.1556E-03	90-120	0.7547E-04
75-76.51	0.7722E-02	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.1549E-01	-7.5 TO 37.5	0.5888E-03	82.5-127.5	0.5228E-03	0	0- 45	0.1735E-02	90-135	0.1735E-02
15-30.00	0.4541E-01	-7.5 TO 37.5	0.4917E-03	82.5-127.5	0.3801E-03	15	0- 45	0.1702E-02	90-135	0.1407E-02
30-45.00	0.7223E-01	-7.5 TO 37.5	0.3122E-03	82.5-127.5	0.2124E-03	30	0- 45	0.1229E-02	90-135	0.8661E-03
45-60.00	0.9413E-01	-7.5 TO 37.5	0.1438E-03	82.5-127.5	0.8466E-04	45	0- 45	0.6647E-03	90-135	0.4080E-03
60-75.00	0.1096E 00	-7.5 TO 37.5	0.2711E-04	82.5-127.5	0.9284E-05	60	0- 45	0.2267E-03	90-135	0.1050E-03
75-76.51	0.1156E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.2065E-01	-7.5 TO 52.5	0.5854E-03	82.5-142.5	0.5169E-03	0	0- 60	0.2314E-02	90-150	0.2314E-02
15-30.00	0.6054E-01	-7.5 TO 52.5	0.4857E-03	82.5-142.5	0.3709E-03	15	0- 60	0.2246E-02	90-150	0.1846E-02
30-45.00	0.9631E-01	-7.5 TO 52.5	0.3067E-03	82.5-142.5	0.2047E-03	30	0- 60	0.1608E-02	90-150	0.1121E-02
45-60.00	0.1255E 00	-7.5 TO 52.5	0.1404E-03	82.5-142.5	0.8040E-04	45	0- 60	0.8634E-03	90-150	0.5221E-03
60-75.00	0.1462E 00	-7.5 TO 52.5	0.2592E-04	82.5-142.5	0.8363E-05	60	0- 60	0.2908E-03	90-150	0.1308E-03
75-76.51	0.1544E-01	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.2581E-01	-7.5 TO 67.5	0.5810E-03	82.5-157.5	0.5118E-03	0	0- 75	0.2892E-02	90-165	0.2892E-02
15-30.00	0.7568E-01	-7.5 TO 67.5	0.4781E-03	82.5-157.5	0.3629E-03	15	0- 75	0.2771E-02	90-165	0.2277E-02
30-45.00	0.1204E 00	-7.5 TO 67.5	0.2996E-03	82.5-157.5	0.1980E-03	30	0- 75	0.1964E-02	90-165	0.1367E-02
45-60.00	0.1569E 00	-7.5 TO 67.5	0.1361E-03	82.5-157.5	0.7681E-04	45	0- 75	0.1046E-02	90-165	0.6299E-03
60-75.00	0.1827E 00	-7.5 TO 67.5	0.2448E-04	82.5-157.5	0.7637E-05	60	0- 75	0.3471E-03	90-165	0.1541E-03
75-76.51	0.1931E-01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.3097E-01	-7.5 TO 82.5	0.5758E-03	82.5-172.5	0.5076E-03	0	0- 90	0.3471E-02	90-180	0.3471E-02
15-30.00	0.9081E-01	-7.5 TO 82.5	0.4692E-03	82.5-172.5	0.3563E-03	15	0- 90	0.3277E-02	90-180	0.2703E-02
30-45.00	0.1445E 00	-7.5 TO 82.5	0.2915E-03	82.5-172.5	0.1926E-03	30	0- 90	0.2297E-02	90-180	0.1608E-02
45-60.00	0.1883E 00	-7.5 TO 82.5	0.1312E-03	82.5-172.5	0.7389E-04	45	0- 90	0.1212E-02	90-180	0.7347E-03
60-75.00	0.2192E 00	-7.5 TO 82.5	0.2292E-04	82.5-172.5	0.7071E-05	60	0- 90	0.3953E-03	90-180	0.1763E-03
75-76.51	0.2317E-01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.3614E-01	-7.5 TO 97.5	0.5701E-03	82.5-187.5	0.5043E-03	0	0-105	0.4049E-02	90-195	0.4049E-02
15-30.00	0.1059E 00	-7.5 TO 97.5	0.4595E-03	82.5-187.5	0.3513E-03	15	0-105	0.3763E-02	90-195	0.3129E-02
30-45.00	0.1685E 00	-7.5 TO 97.5	0.2828E-03	82.5-187.5	0.1885E-03	30	0-105	0.2606E-02	90-195	0.1849E-02
45-60.00	0.2196E 00	-7.5 TO 97.5	0.1290E-03	82.5-187.5	0.7166E-04	45	0-105	0.1361E-02	90-195	0.8395E-03
60-75.00	0.2555E 00	-7.5 TO 97.5	0.2134E-04	82.5-187.5	0.6643E-05	60	0-105	0.4362E-03	90-195	0.1984E-03
75-76.51	0.2703E-01	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6517$ $\cosh \mu_2 = 4.4944$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 108.19$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5162E-02	-7.5 TO 7.5	0.8525E-03	82.5- 97.5	0.7479E-03	0	0- 15	0.8059E-03	90-105	0.8059E-03
15-30.00	0.1514E-01	-7.5 TO 7.5	0.7458E-03	82.5- 97.5	0.5632E-03	15	0- 15	0.8411E-03	90-105	0.6753E-03
30-45.00	0.2408E-01	-7.5 TO 7.5	0.4950E-03	82.5- 97.5	0.3265E-03	30	0- 15	0.6412E-03	90-105	0.4299E-03
45-60.00	0.3138E-01	-7.5 TO 7.5	0.2388E-03	82.5- 97.5	0.1361E-03	45	0- 15	0.3633E-03	90-105	0.2094E-03
60-75.00	0.3654E-01	-7.5 TO 7.5	0.5158E-04	82.5- 97.5	0.1763E-04	60	0- 15	0.1331E-03	90-105	0.5807E-04
75-76.51	0.3861E-02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1032E-01	-7.5 TO 22.5	0.8506E-03	82.5-112.5	0.7353E-03	0	0- 30	0.1612E-02	90-120	0.1612E-02
15-30.00	0.3027E-01	-7.5 TO 22.5	0.7423E-03	82.5-112.5	0.5426E-03	15	0- 30	0.1671E-02	90-120	0.1317E-02
30-45.00	0.4815E-01	-7.5 TO 22.5	0.4917E-03	82.5-112.5	0.3087E-03	30	0- 30	0.1268E-02	90-120	0.8204E-03
45-60.00	0.6276E-01	-7.5 TO 22.5	0.2366E-03	82.5-112.5	0.1261E-03	45	0- 30	0.7155E-03	90-120	0.3923E-03
60-75.00	0.7308E-01	-7.5 TO 22.5	0.5073E-04	82.5-112.5	0.1514E-04	60	0- 30	0.2603E-03	90-120	0.1048E-03
75-76.51	0.7722E-02	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.1549E-01	-7.5 TO 37.5	0.8464E-03	82.5-127.5	0.7235E-03	0	0- 45	0.2418E-02	90-135	0.2418E-02
15-30.00	0.4541E-01	-7.5 TO 37.5	0.7345E-03	82.5-127.5	0.5236E-03	15	0- 45	0.2481E-02	90-135	0.1929E-02
30-45.00	0.7223E-01	-7.5 TO 37.5	0.4842E-03	82.5-127.5	0.2926E-03	30	0- 45	0.1867E-02	90-135	0.1178E-02
45-60.00	0.9413E-01	-7.5 TO 37.5	0.2319E-03	82.5-127.5	0.1172E-03	45	0- 45	0.1047E-02	90-135	0.5535E-03
60-75.00	0.1096E 00	-7.5 TO 37.5	0.4889E-04	82.5-127.5	0.1313E-04	60	0- 45	0.3768E-03	90-135	0.1428E-03
75-76.51	0.1158E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.2065E-01	-7.5 TO 52.5	0.8400E-03	82.5-142.5	0.7127E-03	0	0- 60	0.3223E-02	90-150	0.3223E-02
15-30.00	0.6054E-01	-7.5 TO 52.5	0.7229E-03	82.5-142.5	0.5067E-03	15	0- 60	0.3263E-02	90-150	0.2519E-02
30-45.00	0.9631E-01	-7.5 TO 52.5	0.4732E-03	82.5-142.5	0.2785E-03	30	0- 60	0.2429E-02	90-150	0.1510E-02
45-60.00	0.1255E 00	-7.5 TO 52.5	0.2250E-03	82.5-142.5	0.1096E-03	45	0- 60	0.1350E-02	90-150	0.6985E-03
60-75.00	0.1462E 00	-7.5 TO 52.5	0.4628E-04	82.5-142.5	0.1158E-04	60	0- 60	0.4793E-03	90-150	0.1747E-03
75-76.51	0.1544E-01	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.2581E-01	-7.5 TO 67.5	0.8317E-03	82.5-157.5	0.7034E-03	0	0- 75	0.4029E-02	90-165	0.4029E-02
15-30.00	0.7568E-01	-7.5 TO 67.5	0.7083E-03	82.5-157.5	0.4922E-03	15	0- 75	0.4010E-02	90-165	0.3092E-02
30-45.00	0.1204E 00	-7.5 TO 67.5	0.4594E-03	82.5-157.5	0.2665E-03	30	0- 75	0.2948E-02	90-165	0.1824E-02
45-60.00	0.1569E 00	-7.5 TO 67.5	0.2164E-03	82.5-157.5	0.1032E-03	45	0- 75	0.1622E-02	90-165	0.8327E-03
60-75.00	0.1827E 00	-7.5 TO 67.5	0.4323E-04	82.5-157.5	0.1038E-04	60	0- 75	0.5663E-03	90-165	0.2027E-03
75-76.51	0.1931E-01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.3097E-01	-7.5 TO 82.5	0.8221E-03	82.5-172.5	0.6957E-03	0	0- 90	0.4835E-02	90-180	0.4835E-02
15-30.00	0.9081E-01	-7.5 TO 82.5	0.6913E-03	82.5-172.5	0.4803E-03	15	0- 90	0.4722E-02	90-180	0.3658E-02
30-45.00	0.1445E 00	-7.5 TO 82.5	0.4437E-03	82.5-172.5	0.2567E-03	30	0- 90	0.3421E-02	90-180	0.2130E-02
45-60.00	0.1883E 00	-7.5 TO 82.5	0.2068E-03	82.5-172.5	0.9806E-04	45	0- 90	0.1862E-02	90-180	0.9615E-03
60-75.00	0.2192E 00	-7.5 TO 82.5	0.4000E-04	82.5-172.5	0.9463E-05	60	0- 90	0.6380E-03	90-180	0.2288E-03
75-76.51	0.2317E-01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.3614E-01	-7.5 TO 97.5	0.8115E-03	82.5-187.5	0.6898E-03	0	0-105	0.5641E-02	90-195	0.5641E-02
15-30.00	0.1059E 00	-7.5 TO 97.5	0.6730E-03	82.5-187.5	0.4711E-03	15	0-105	0.5397E-02	90-195	0.4223E-02
30-45.00	0.1685E 00	-7.5 TO 97.5	0.4269E-03	82.5-187.5	0.2492E-03	30	0-105	0.3851E-02	90-195	0.2436E-02
45-60.00	0.2196E 00	-7.5 TO 97.5	0.1967E-03	82.5-187.5	0.9414E-04	45	0-105	0.2072E-02	90-195	0.1090E-02
60-75.00	0.2558E 00	-7.5 TO 97.5	0.3680E-04	82.5-187.5	0.8773E-05	60	0-105	0.6961E-03	90-195	0.2549E-03
75-76.51	0.2703E-01	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

$r_2/r_1 = 0.30$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6517$ $\cosh \mu_2 = 4.4944$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 92.21$

0-15.00	0.5162E-02	-7.5 TO 7.5	0.1014E-02	82.5- 97.5	0.8603E-03	0	0- 15	0.9258E-03	90-105	0.9258E-03
15-30.00	0.1514E-01	-7.5 TO 7.5	0.9235E-03	82.5- 97.5	0.6507E-03	15	0- 15	0.1017E-02	90-105	0.7721E-03
30-45.00	0.2408E-01	-7.5 TO 7.5	0.6358E-03	82.5- 97.5	0.3802E-03	30	0- 15	0.8091E-03	90-105	0.4916E-03
45-60.00	0.3138E-01	-7.5 TO 7.5	0.3173E-03	82.5- 97.5	0.1603E-03	45	0- 15	0.4748E-03	90-105	0.2406E-03
60-75.00	0.3654E-01	-7.5 TO 7.5	0.7421E-04	82.5- 97.5	0.2138E-04	60	0- 15	0.1815E-03	90-105	0.6752E-04
75-76.51	0.3861E-02	-7.5 TO 7.5	0.9143E-07	82.5- 97.5	0.	75	0- 15	0.6290E-06	90-105	0.
0-15.00	0.1032E-01	-7.5 TO 22.5	0.1012E-02	82.5-112.5	0.8418E-03	0	0- 30	0.1852E-02	90-120	0.1852E-02
15-30.00	0.3027E-01	-7.5 TO 22.5	0.9183E-03	82.5-112.5	0.6205E-03	15	0- 30	0.2018E-02	90-120	0.1495E-02
30-45.00	0.4815E-01	-7.5 TO 22.5	0.6307E-03	82.5-112.5	0.3540E-03	30	0- 30	0.1596E-02	90-120	0.9257E-03
45-60.00	0.6276E-01	-7.5 TO 22.5	0.3139E-03	82.5-112.5	0.1457E-03	45	0- 30	0.9321E-03	90-120	0.4425E-03
60-75.00	0.7308E-01	-7.5 TO 22.5	0.7285E-04	82.5-112.5	0.1794E-04	60	0- 30	0.3537E-03	90-120	0.1192E-03
75-76.51	0.7722E-02	-7.5 TO 22.5	0.7182E-07	82.5-112.5	0.	75	0- 30	0.7800E-06	90-120	0.
0-15.00	0.1549E-01	-7.5 TO 37.5	0.1005E-02	82.5-127.5	0.8246E-03	0	0- 45	0.2777E-02	90-135	0.2777E-02
15-30.00	0.4541E-01	-7.5 TO 37.5	0.9056E-03	82.5-127.5	0.5928E-03	15	0- 45	0.2988E-02	90-135	0.2176E-02
30-45.00	0.7223E-01	-7.5 TO 37.5	0.6191E-03	82.5-127.5	0.3306E-03	30	0- 45	0.2341E-02	90-135	0.1312E-02
45-60.00	0.9413E-01	-7.5 TO 37.5	0.3065E-03	82.5-127.5	0.1330E-03	45	0- 45	0.1357E-02	90-135	0.6141E-03
60-75.00	0.1096E 00	-7.5 TO 37.5	0.6987E-04	82.5-127.5	0.1524E-04	60	0- 45	0.5091E-03	90-135	0.1594E-03
75-76.51	0.1158E-01	-7.5 TO 37.5	0.4906E-07	82.5-127.5	0.	75	0- 45	0.7800E-06	90-135	0.
0-15.00	0.2065E-01	-7.5 TO 52.5	0.9957E-03	82.5-142.5	0.8090E-03	0	0- 60	0.3703E-02	90-150	0.3703E-02
15-30.00	0.6054E-01	-7.5 TO 52.5	0.8890E-03	82.5-142.5	0.5683E-03	15	0- 60	0.3917E-02	90-150	0.2823E-02
30-45.00	0.9631E-01	-7.5 TO 52.5	0.6021E-03	82.5-142.5	0.3104E-03	30	0- 60	0.3029E-02	90-150	0.1663E-02
45-60.00	0.1255E 00	-7.5 TO 52.5	0.2957E-03	82.5-142.5	0.1224E-03	45	0- 60	0.1739E-02	90-150	0.7646E-03
60-75.00	0.1462E 00	-7.5 TO 52.5	0.6569E-04	82.5-142.5	0.1324E-04	60	0- 60	0.6427E-03	90-150	0.1922E-03
75-76.51	0.1544E-01	-7.5 TO 52.5	0.3679E-07	82.5-142.5	0.	75	0- 60	0.7800E-06	90-150	0.
0-15.00	0.2581E-01	-7.5 TO 67.5	0.9836E-03	82.5-157.5	0.7955E-03	0	0- 75	0.4629E-02	90-165	0.4629E-02
15-30.00	0.7568E-01	-7.5 TO 67.5	0.8669E-03	82.5-157.5	0.5475E-03	15	0- 75	0.4795E-02	90-165	0.3448E-02
30-45.00	0.1204E 00	-7.5 TO 67.5	0.5810E-03	82.5-157.5	0.2938E-03	30	0- 75	0.3653E-02	90-165	0.1992E-02
45-60.00	0.1569E 00	-7.5 TO 67.5	0.2824E-03	82.5-157.5	0.1139E-03	45	0- 75	0.2073E-02	90-165	0.9019E-03
60-75.00	0.1827E 00	-7.5 TO 67.5	0.6082E-04	82.5-157.5	0.1173E-04	60	0- 75	0.7528E-03	90-165	0.2206E-03
75-76.51	0.1931E-01	-7.5 TO 67.5	0.2944E-07	82.5-157.5	0.	75	0- 75	0.7800E-06	90-165	0.
0-15.00	0.3097E-01	-7.5 TO 82.5	0.9694E-03	82.5-172.5	0.7843E-03	0	0- 90	0.5555E-02	90-180	0.5555E-02
15-30.00	0.9081E-01	-7.5 TO 82.5	0.8416E-03	82.5-172.5	0.5307E-03	15	0- 90	0.5620E-02	90-180	0.4061E-02
30-45.00	0.1445E 00	-7.5 TO 82.5	0.5571E-03	82.5-172.5	0.2805E-03	30	0- 90	0.4209E-02	90-180	0.2310E-02
45-60.00	0.1883E 00	-7.5 TO 82.5	0.2676E-03	82.5-172.5	0.1071E-03	45	0- 90	0.2359E-02	90-180	0.1033E-02
60-75.00	0.2192E 00	-7.5 TO 82.5	0.5577E-04	82.5-172.5	0.1059E-04	60	0- 90	0.8401E-03	90-180	0.2470E-03
75-76.51	0.2317E-01	-7.5 TO 82.5	0.2453E-07	82.5-172.5	0.	75	0- 90	0.7800E-06	90-180	0.
0-15.00	0.3614E-01	-7.5 TO 97.5	0.9538E-03	82.5-187.5	0.7757E-03	0	0-105	0.6480E-02	90-195	0.6480E-02
15-30.00	0.1059E 00	-7.5 TO 97.5	0.8143E-03	82.5-187.5	0.5177E-03	15	0-105	0.6392E-02	90-195	0.4674E-02
30-45.00	0.1685E 00	-7.5 TO 97.5	0.5319E-03	82.5-187.5	0.2704E-03	30	0-105	0.4700E-02	90-195	0.2627E-02
45-60.00	0.2196E 00	-7.5 TO 97.5	0.2523E-03	82.5-187.5	0.1021E-03	45	0-105	0.2599E-02	90-195	0.1164E-02
60-75.00	0.2558E 00	-7.5 TO 97.5	0.5085E-04	82.5-187.5	0.9745E-05	60	0-105	0.9076E-03	90-195	0.2734E-03
75-76.51	0.2703E-01	-7.5 TO 97.5	0.2103E-07	82.5-187.5	0.	75	0-105	0.7800E-06	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6517$ $\cosh \mu_2 = 4.4944$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 77.14$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5162E-02	-7.5 TO 7.5	0.1052E-02	82.5- 97.5	0.8716E-03	0	0- 15	0.9375E-03	90-105	0.9375E-03
15-30.00	0.1514E-01	-7.5 TO 7.5	0.9954E-03	82.5- 97.5	0.6604E-03	15	0- 15	0.1070E-02	90-105	0.7799E-03
30-45.00	0.2408E-01	-7.5 TO 7.5	0.7098E-03	82.5- 97.5	0.3871E-03	30	0- 15	0.8884E-03	90-105	0.4962E-03
45-60.00	0.3138E-01	-7.5 TO 7.5	0.3643E-03	82.5- 97.5	0.1639E-03	45	0- 15	0.5381E-03	90-105	0.2430E-03
60-75.00	0.3654E-01	-7.5 TO 7.5	0.8936E-04	82.5- 97.5	0.2206E-04	60	0- 15	0.2120E-03	90-105	0.6839E-04
75-76.51	0.3861E-02	-7.5 TO 7.5	0.6632E-06	82.5- 97.5	0.	75	0- 15	0.2178E-05	90-105	0.
0-15.00	0.1032E-01	-7.5 TO 22.5	0.1049E-02	82.5-112.5	0.8511E-03	0	0- 30	0.1875E-02	90-120	0.1875E-02
15-30.00	0.3027E-01	-7.5 TO 22.5	0.9887E-03	82.5-112.5	0.6271E-03	15	0- 30	0.2120E-02	90-120	0.1506E-02
30-45.00	0.4815E-01	-7.5 TO 22.5	0.7031E-03	82.5-112.5	0.3582E-03	30	0- 30	0.1748E-02	90-120	0.9310E-03
45-60.00	0.6276E-01	-7.5 TO 22.5	0.3599E-03	82.5-112.5	0.1478E-03	45	0- 30	0.1053E-02	90-120	0.4451E-03
60-75.00	0.7306E-01	-7.5 TO 22.5	0.8755E-04	82.5-112.5	0.1833E-04	60	0- 30	0.4117E-03	90-120	0.1201E-03
75-76.51	0.7722E-02	-7.5 TO 22.5	0.5412E-06	82.5-112.5	0.	75	0- 30	0.3189E-05	90-120	0.
0-15.00	0.1549E-01	-7.5 TO 37.5	0.1041E-02	82.5-127.5	0.8323E-03	0	0- 45	0.2812E-02	90-135	0.2812E-02
15-30.00	0.4541E-01	-7.5 TO 37.5	0.9735E-03	82.5-127.5	0.5975E-03	15	0- 45	0.3131E-02	90-135	0.2188E-02
30-45.00	0.7223E-01	-7.5 TO 37.5	0.6880E-03	82.5-127.5	0.3334E-03	30	0- 45	0.2553E-02	90-135	0.1317E-02
45-60.00	0.9413E-01	-7.5 TO 37.5	0.3500E-03	82.5-127.5	0.1344E-03	45	0- 45	0.1526E-02	90-135	0.6167E-03
60-75.00	0.1096E 00	-7.5 TO 37.5	0.8362E-04	82.5-127.5	0.1550E-04	60	0- 45	0.5893E-03	90-135	0.1604E-03
75-76.51	0.1158E-01	-7.5 TO 37.5	0.3864E-06	82.5-127.5	0.	75	0- 45	0.3264E-05	90-135	0.
0-15.00	0.2065E-01	-7.5 TO 52.5	0.1030E-02	82.5-142.5	0.8155E-03	0	0- 60	0.3750E-02	90-150	0.3750E-02
15-30.00	0.6054E-01	-7.5 TO 52.5	0.9512E-03	82.5-142.5	0.5718E-03	15	0- 60	0.4092E-02	90-150	0.2836E-02
30-45.00	0.9631E-01	-7.5 TO 52.5	0.6658E-03	82.5-142.5	0.3126E-03	30	0- 60	0.3285E-02	90-150	0.1669E-02
45-60.00	0.1255E 00	-7.5 TO 52.5	0.3358E-03	82.5-142.5	0.1235E-03	45	0- 60	0.1942E-02	90-150	0.7672E-03
60-75.00	0.1462E 00	-7.5 TO 52.5	0.7812E-04	82.5-142.5	0.1343E-04	60	0- 60	0.7386E-03	90-150	0.1931E-03
75-76.51	0.1544E-01	-7.5 TO 52.5	0.2901E-06	82.5-142.5	0.	75	0- 60	0.3264E-05	90-150	0.
0-15.00	0.2581E-01	-7.5 TO 67.5	0.1015E-02	82.5-157.5	0.8011E-03	0	0- 75	0.4687E-02	90-165	0.4687E-02
15-30.00	0.7568E-01	-7.5 TO 67.5	0.9233E-03	82.5-157.5	0.5503E-03	15	0- 75	0.4993E-02	90-165	0.3460E-02
30-45.00	0.1204E 00	-7.5 TO 67.5	0.6384E-03	82.5-157.5	0.2955E-03	30	0- 75	0.3935E-02	90-165	0.1997E-02
45-60.00	0.1569E 00	-7.5 TO 67.5	0.3184E-03	82.5-157.5	0.1147E-03	45	0- 75	0.2297E-02	90-165	0.9045E-03
60-75.00	0.1827E 00	-7.5 TO 67.5	0.7177E-04	82.5-157.5	0.1188E-04	60	0- 75	0.8575E-03	90-165	0.2215E-03
75-76.51	0.1931E-01	-7.5 TO 67.5	0.2321E-06	82.5-157.5	0.	75	0- 75	0.3264E-05	90-165	0.
0-15.00	0.3097E-01	-7.5 TO 82.5	0.9985E-03	82.5-172.5	0.7892E-03	0	0- 90	0.5625E-02	90-180	0.5625E-02
15-30.00	0.9081E-01	-7.5 TO 82.5	0.8918E-03	82.5-172.5	0.5330E-03	15	0- 90	0.5833E-02	90-180	0.4073E-02
30-45.00	0.1445E 00	-7.5 TO 82.5	0.6078E-03	82.5-172.5	0.2819E-03	30	0- 90	0.4505E-02	90-180	0.2315E-02
45-60.00	0.1883E 00	-7.5 TO 82.5	0.2993E-03	82.5-172.5	0.1079E-03	45	0- 90	0.2591E-02	90-180	0.1036E-02
60-75.00	0.2192E 00	-7.5 TO 82.5	0.6527E-04	82.5-172.5	0.1072E-04	60	0- 90	0.9484E-03	90-180	0.2479E-03
75-76.51	0.2317E-01	-7.5 TO 82.5	0.1934E-06	82.5-172.5	0.	75	0- 90	0.3264E-05	90-180	0.
0-15.00	0.3614E-01	-7.5 TO 97.5	0.9804E-03	82.5-187.5	0.7801E-03	0	0-105	0.6562E-02	90-195	0.6562E-02
15-30.00	0.1059E 00	-7.5 TO 97.5	0.8588E-03	82.5-187.5	0.5197E-03	15	0-105	0.6613E-02	90-195	0.4686E-02
30-45.00	0.1685E 00	-7.5 TO 97.5	0.5763E-03	82.5-187.5	0.2716E-03	30	0-105	0.5001E-02	90-195	0.2632E-02
45-60.00	0.2196E 00	-7.5 TO 97.5	0.2800E-03	82.5-187.5	0.1027E-03	45	0-105	0.2834E-02	90-195	0.1167E-02
60-75.00	0.2558E 00	-7.5 TO 97.5	0.5909E-04	82.5-187.5	0.9856E-05	60	0-105	0.1017E-02	90-195	0.2743E-03
75-76.51	0.2703E-01	-7.5 TO 97.5	0.1658E-06	82.5-187.5	0.	75	0-105	0.3264E-05	90-195	0.

$r_2/r_1 = 0.30$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6517$ $\cosh \mu_2 = 4.4944$ $\alpha_{2,max} = 103.49$ $\theta_{2,min} = 64.32$

0-15.00	0.5162E-02	-7.5 TO 7.5	0.1052E-02	82.5- 97.5	0.8716E-03	0	0- 15	0.9375E-03	90-105	0.9375E-03
15-30.00	0.1514E-01	-7.5 TO 7.5	0.9975E-03	82.5- 97.5	0.6604E-03	15	0- 15	0.1070E-02	90-105	0.7799E-03
30-45.00	0.2408E-01	-7.5 TO 7.5	0.7194E-03	82.5- 97.5	0.3871E-03	30	0- 15	0.8938E-03	90-105	0.4962E-03
45-60.00	0.3138E-01	-7.5 TO 7.5	0.3746E-03	82.5- 97.5	0.1639E-03	45	0- 15	0.5496E-03	90-105	0.2430E-03
60-75.00	0.3654E-01	-7.5 TO 7.5	0.9355E-04	82.5- 97.5	0.2206E-04	60	0- 15	0.2197E-03	90-105	0.6839E-04
75-76.51	0.3861E-02	-7.5 TO 7.5	0.9470E-06	82.5- 97.5	0.	75	0- 15	0.2768E-05	90-105	0.
0-15.00	0.1032E-01	-7.5 TO 22.5	0.1049E-02	82.5-112.5	0.8511E-03	0	0- 30	0.1875E-02	90-120	0.1875E-02
15-30.00	0.3027E-01	-7.5 TO 22.5	0.9905E-03	82.5-112.5	0.6271E-03	15	0- 30	0.2120E-02	90-120	0.1506E-02
30-45.00	0.4815E-01	-7.5 TO 22.5	0.7120E-03	82.5-112.5	0.3582E-03	30	0- 30	0.1757E-02	90-120	0.9310E-03
45-60.00	0.6276E-01	-7.5 TO 22.5	0.3696E-03	82.5-112.5	0.1478E-03	45	0- 30	0.1073E-02	90-120	0.4451E-03
60-75.00	0.7308E-01	-7.5 TO 22.5	0.9150E-04	82.5-112.5	0.1833E-04	60	0- 30	0.4256E-03	90-120	0.1201E-03
75-76.51	0.7722E-02	-7.5 TO 22.5	0.7803E-06	82.5-112.5	0.	75	0- 30	0.4124E-05	90-120	0.
0-15.00	0.1549E-01	-7.5 TO 37.5	0.1041E-02	82.5-127.5	0.8323E-03	0	0- 45	0.2812E-02	90-135	0.2812E-02
15-30.00	0.4541E-01	-7.5 TO 37.5	0.9790E-03	82.5-127.5	0.5975E-03	15	0- 45	0.3131E-02	90-135	0.2188E-02
30-45.00	0.7223E-01	-7.5 TO 37.5	0.6956E-03	82.5-127.5	0.3334E-03	30	0- 45	0.2563E-02	90-135	0.1317E-02
45-60.00	0.9413E-01	-7.5 TO 37.5	0.3586E-03	82.5-127.5	0.1344E-03	45	0- 45	0.1550E-02	90-135	0.6167E-03
60-75.00	0.1096E 00	-7.5 TO 37.5	0.8707E-04	82.5-127.5	0.1550E-04	60	0- 45	0.6067E-03	90-135	0.1604E-03
75-76.51	0.1158E-01	-7.5 TO 37.5	0.5627E-06	82.5-127.5	0.	75	0- 45	0.4258E-05	90-135	0.
0-15.00	0.2065E-01	-7.5 TO 52.5	0.1030E-02	82.5-142.5	0.8155E-03	0	0- 60	0.3750E-02	90-150	0.3750E-02
15-30.00	0.6054E-01	-7.5 TO 52.5	0.9523E-03	82.5-142.5	0.5718E-03	15	0- 60	0.4092E-02	90-150	0.2836E-02
30-45.00	0.9631E-01	-7.5 TO 52.5	0.6720E-03	82.5-142.5	0.3126E-03	30	0- 60	0.3296E-02	90-150	0.1669E-02
45-60.00	0.1255E 00	-7.5 TO 52.5	0.3429E-03	82.5-142.5	0.1235E-03	45	0- 60	0.1968E-02	90-150	0.7672E-03
60-75.00	0.1462E 00	-7.5 TO 52.5	0.8099E-04	82.5-142.5	0.1343E-04	60	0- 60	0.7571E-03	90-150	0.1931E-03
75-76.51	0.1544E-01	-7.5 TO 52.5	0.4228E-06	82.5-142.5	0.	75	0- 60	0.4258E-05	90-150	0.
0-15.00	0.2581E-01	-7.5 TO 67.5	0.1015E-02	82.5-157.5	0.8011E-03	0	0- 75	0.4687E-02	90-165	0.4687E-02
15-30.00	0.7568E-01	-7.5 TO 67.5	0.9242E-03	82.5-157.5	0.5503E-03	15	0- 75	0.4993E-02	90-165	0.3460E-02
30-45.00	0.1204E 00	-7.5 TO 67.5	0.6434E-03	82.5-157.5	0.2955E-03	30	0- 75	0.3946E-02	90-165	0.1997E-02
45-60.00	0.1569E 00	-7.5 TO 67.5	0.3242E-03	82.5-157.5	0.1147E-03	45	0- 75	0.2323E-02	90-165	0.9045E-03
60-75.00	0.1827E 00	-7.5 TO 67.5	0.7412E-04	82.5-157.5	0.1188E-04	60	0- 75	0.8761E-03	90-165	0.2215E-03
75-76.51	0.1931E-01	-7.5 TO 67.5	0.3382E-06	82.5-157.5	0.	75	0- 75	0.4258E-05	90-165	0.
0-15.00	0.3097E-01	-7.5 TO 82.5	0.9985E-03	82.5-172.5	0.7892E-03	0	0- 90	0.5625E-02	90-180	0.5625E-02
15-30.00	0.9081E-01	-7.5 TO 82.5	0.8926E-03	82.5-172.5	0.5330E-03	15	0- 90	0.5833E-02	90-180	0.4073E-02
30-45.00	0.1445E 00	-7.5 TO 82.5	0.6120E-03	82.5-172.5	0.2819E-03	30	0- 90	0.4515E-02	90-180	0.2315E-02
45-60.00	0.1883E 00	-7.5 TO 82.5	0.3042E-03	82.5-172.5	0.1079E-03	45	0- 90	0.2617E-02	90-180	0.1036E-02
60-75.00	0.2192E 00	-7.5 TO 82.5	0.6722E-04	82.5-172.5	0.1072E-04	60	0- 90	0.9670E-03	90-180	0.2479E-03
75-76.51	0.2317E-01	-7.5 TO 82.5	0.2818E-06	82.5-172.5	0.	75	0- 90	0.4258E-05	90-180	0.
0-15.00	0.3614E-01	-7.5 TO 97.5	0.9804E-03	82.5-187.5	0.7801E-03	0	0-105	0.6562E-02	90-195	0.6562E-02
15-30.00	0.1059E 00	-7.5 TO 97.5	0.8594E-03	82.5-187.5	0.5197E-03	15	0-105	0.6613E-02	90-195	0.4686E-02
30-45.00	0.1685E 00	-7.5 TO 97.5	0.5799E-03	82.5-187.5	0.2716E-03	30	0-105	0.5011E-02	90-195	0.2632E-02
45-60.00	0.2196E 00	-7.5 TO 97.5	0.2841E-03	82.5-187.5	0.1027E-03	45	0-105	0.2860E-02	90-195	0.1167E-02
60-75.00	0.2558E 00	-7.5 TO 97.5	0.6077E-04	82.5-187.5	0.9856E-05	60	0-105	0.1035E-02	90-195	0.2743E-03
75-76.51	0.2703E-01	-7.5 TO 97.5	0.2416E-06	82.5-187.5	0.	75	0-105	0.4258E-05	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5910$ $\cosh \mu_2 = 8.0300$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 163.03$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1361E-02	-7.5 TO 7.5	0.1775E-04	82.5- 97.5	0.1752E-04	0	0- 15	0.1824E-04	90-105	0.1824E-04
15-30.00	0.4578E-02	-7.5 TO 7.5	0.1538E-04	82.5- 97.5	0.1493E-04	15	0- 15	0.1715E-04	90-105	0.1677E-04
30-45.00	0.7282E-02	-7.5 TO 7.5	0.1127E-04	82.5- 97.5	0.1076E-04	30	0- 15	0.1366E-04	90-105	0.1309E-04
45-60.00	0.9490E-02	-7.5 TO 7.5	0.6678E-05	82.5- 97.5	0.6262E-05	45	0- 15	0.9058E-05	90-105	0.8514E-05
60-75.00	0.1105E-01	-7.5 TO 7.5	0.2524E-05	82.5- 97.5	0.2275E-05	60	0- 15	0.4531E-05	90-105	0.4150E-05
75-81.95	0.5445E-02	-7.5 TO 7.5	0.1762E-06	82.5- 97.5	0.1137E-06	75	0- 15	0.7284E-06	90-105	0.5458E-06
0-15.00	0.3123E-02	-7.5 TO 22.5	0.1775E-04	82.5-112.5	0.1749E-04	0	0- 30	0.3648E-04	90-120	0.3648E-04
15-30.00	0.9155E-02	-7.5 TO 22.5	0.1537E-04	82.5-112.5	0.1487E-04	15	0- 30	0.3427E-04	90-120	0.3346E-04
30-45.00	0.1456E-01	-7.5 TO 22.5	0.1126E-04	82.5-112.5	0.1069E-04	30	0- 30	0.2729E-04	90-120	0.2606E-04
45-60.00	0.1898E-01	-7.5 TO 22.5	0.6671E-05	82.5-112.5	0.6210E-05	45	0- 30	0.1808E-04	90-120	0.1691E-04
60-75.00	0.2210E-01	-7.5 TO 22.5	0.2519E-05	82.5-112.5	0.2244E-05	60	0- 30	0.9038E-05	90-120	0.8219E-05
75-81.95	0.1089E-01	-7.5 TO 22.5	0.1749E-06	82.5-112.5	0.1064E-06	75	0- 30	0.1445E-05	90-120	0.1053E-05
0-15.00	0.4684E-02	-7.5 TO 37.5	0.1774E-04	82.5-127.5	0.1746E-04	0	0- 45	0.5472E-04	90-135	0.5472E-04
15-30.00	0.1373E-01	-7.5 TO 37.5	0.1535E-04	82.5-127.5	0.1482E-04	15	0- 45	0.5136E-04	90-135	0.5008E-04
30-45.00	0.2185E-01	-7.5 TO 37.5	0.1124E-04	82.5-127.5	0.1063E-04	30	0- 45	0.4085E-04	90-135	0.3892E-04
45-60.00	0.2847E-01	-7.5 TO 37.5	0.6654E-05	82.5-127.5	0.6161E-05	45	0- 45	0.2704E-04	90-135	0.2520E-04
60-75.00	0.3315E-01	-7.5 TO 37.5	0.2509E-05	82.5-127.5	0.2215E-05	60	0- 45	0.1350E-04	90-135	0.1221E-04
75-81.95	0.1633E-01	-7.5 TO 37.5	0.1720E-06	82.5-127.5	0.9949E-07	75	0- 45	0.2140E-05	90-135	0.1526E-05
0-15.00	0.6246E-02	-7.5 TO 52.5	0.1772E-04	82.5-142.5	0.1744E-04	0	0- 60	0.7296E-04	90-150	0.7296E-04
15-30.00	0.1831E-01	-7.5 TO 52.5	0.1532E-04	82.5-142.5	0.1477E-04	15	0- 60	0.6838E-04	90-150	0.6664E-04
30-45.00	0.2913E-01	-7.5 TO 52.5	0.1121E-04	82.5-142.5	0.1058E-04	30	0- 60	0.5432E-04	90-150	0.5168E-04
45-60.00	0.3796E-01	-7.5 TO 52.5	0.6629E-05	82.5-142.5	0.6115E-05	45	0- 60	0.3591E-04	90-150	0.3340E-04
60-75.00	0.4421E-01	-7.5 TO 52.5	0.2494E-05	82.5-142.5	0.2188E-05	60	0- 60	0.1790E-04	90-150	0.1615E-04
75-81.95	0.2178E-01	-7.5 TO 52.5	0.1680E-06	82.5-142.5	0.9324E-07	75	0- 60	0.2804E-05	90-150	0.1973E-05
0-15.00	0.7807E-02	-7.5 TO 67.5	0.1771E-04	82.5-157.5	0.1741E-04	0	0- 75	0.9120E-04	90-165	0.9120E-04
15-30.00	0.2289E-01	-7.5 TO 67.5	0.1529E-04	82.5-157.5	0.1472E-04	15	0- 75	0.8532E-04	90-165	0.8315E-04
30-45.00	0.3641E-01	-7.5 TO 67.5	0.1117E-04	82.5-157.5	0.1053E-04	30	0- 75	0.6767E-04	90-165	0.6438E-04
45-60.00	0.4745E-01	-7.5 TO 67.5	0.6597E-05	82.5-157.5	0.6076E-05	45	0- 75	0.4467E-04	90-165	0.4154E-04
60-75.00	0.5526E-01	-7.5 TO 67.5	0.2475E-05	82.5-157.5	0.2165E-05	60	0- 75	0.2222E-04	90-165	0.2005E-04
75-81.95	0.2722E-01	-7.5 TO 67.5	0.1630E-06	82.5-157.5	0.8780E-07	75	0- 75	0.3431E-05	90-165	0.2400E-05
0-15.00	0.9368E-02	-7.5 TO 82.5	0.1769E-04	82.5-172.5	0.1740E-04	0	0- 90	0.1094E-03	90-180	0.1094E-03
15-30.00	0.2747E-01	-7.5 TO 82.5	0.1525E-04	82.5-172.5	0.1469E-04	15	0- 90	0.1022E-03	90-180	0.9964E-04
30-45.00	0.4369E-01	-7.5 TO 82.5	0.1112E-04	82.5-172.5	0.1049E-04	30	0- 90	0.8090E-04	90-180	0.7705E-04
45-60.00	0.5694E-01	-7.5 TO 82.5	0.6559E-05	82.5-172.5	0.6043E-05	45	0- 90	0.5331E-04	90-180	0.4965E-04
60-75.00	0.6631E-01	-7.5 TO 82.5	0.2452E-05	82.5-172.5	0.2146E-05	60	0- 90	0.2646E-04	90-180	0.2392E-04
75-81.95	0.3267E-01	-7.5 TO 82.5	0.1573E-06	82.5-172.5	0.8330E-07	75	0- 90	0.4018E-05	90-180	0.2818E-05
0-15.00	0.1093E-01	-7.5 TO 97.5	0.1766E-04	82.5-187.5	0.1738E-04	0	0-105	0.1277E-03	90-195	0.1277E-03
15-30.00	0.3204E-01	-7.5 TO 97.5	0.1520E-04	82.5-187.5	0.1466E-04	15	0-105	0.1190E-03	90-195	0.1161E-03
30-45.00	0.5097E-01	-7.5 TO 97.5	0.1107E-04	82.5-187.5	0.1045E-04	30	0-105	0.9399E-04	90-195	0.8971E-04
45-60.00	0.6643E-01	-7.5 TO 97.5	0.6517E-05	82.5-187.5	0.6018E-05	45	0-105	0.6182E-04	90-195	0.5777E-04
60-75.00	0.7736E-01	-7.5 TO 97.5	0.2427E-05	82.5-187.5	0.2131E-05	60	0-105	0.3061E-04	90-195	0.2779E-04
75-81.95	0.3811E-01	-7.5 TO 97.5	0.1511E-06	82.5-187.5	0.7983E-07	75	0-105	0.4564E-05	90-195	0.3236E-05

$r_2/r_1 = 0.30$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5910$ $\cosh \mu_2 = 8.0300$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 146.21$

0-15.00	0.1361E-02	-7.5 TO 7.5	0.6598E-04	82.5- 97.5	0.6428E-04	0	0- 15	0.6691E-04	90-105	0.6691E-04
15-30.00	0.4578E-02	-7.5 TO 7.5	0.5812E-04	82.5- 97.5	0.5480E-04	15	0- 15	0.6416E-04	90-105	0.6139E-04
30-45.00	0.7282E-02	-7.5 TO 7.5	0.4334E-04	82.5- 97.5	0.3954E-04	30	0- 15	0.5208E-04	90-105	0.4785E-04
45-60.00	0.9490E-02	-7.5 TO 7.5	0.2616E-04	82.5- 97.5	0.2305E-04	45	0- 15	0.3514E-04	90-105	0.3108E-04
60-75.00	0.1105E-01	-7.5 TO 7.5	0.1027E-04	82.5- 97.5	0.8400E-05	60	0- 15	0.1798E-04	90-105	0.1514E-04
75-81.95	0.5445E-02	-7.5 TO 7.5	0.9618E-06	82.5- 97.5	0.4307E-06	75	0- 15	0.3329E-05	90-105	0.1969E-05
0-15.00	0.3123E-02	-7.5 TO 22.5	0.6595E-04	82.5-112.5	0.6406E-04	0	0- 30	0.1338E-03	90-120	0.1338E-03
15-30.00	0.9155E-02	-7.5 TO 22.5	0.5806E-04	82.5-112.5	0.5439E-04	15	0- 30	0.1281E-03	90-120	0.1222E-03
30-45.00	0.1456E-01	-7.5 TO 22.5	0.4327E-04	82.5-112.5	0.3906E-04	30	0- 30	0.1039E-03	90-120	0.9477E-04
45-60.00	0.1898E-01	-7.5 TO 22.5	0.2611E-04	82.5-112.5	0.2267E-04	45	0- 30	0.7003E-04	90-120	0.6130E-04
60-75.00	0.2210E-01	-7.5 TO 22.5	0.1023E-04	82.5-112.5	0.8178E-05	60	0- 30	0.3578E-04	90-120	0.2969E-04
75-81.95	0.1089E-01	-7.5 TO 22.5	0.9506E-06	82.5-112.5	0.3791E-06	75	0- 30	0.6568E-05	90-120	0.3668E-05
0-15.00	0.4684E-02	-7.5 TO 37.5	0.6588E-04	82.5-127.5	0.6386E-04	0	0- 45	0.2007E-03	90-135	0.2007E-03
15-30.00	0.1373E-01	-7.5 TO 37.5	0.5793E-04	82.5-127.5	0.5399E-04	15	0- 45	0.1918E-03	90-135	0.1824E-03
30-45.00	0.2185E-01	-7.5 TO 37.5	0.4312E-04	82.5-127.5	0.3862E-04	30	0- 45	0.1552E-03	90-135	0.1409E-03
45-60.00	0.2847E-01	-7.5 TO 37.5	0.2598E-04	82.5-127.5	0.2231E-04	45	0- 45	0.1044E-03	90-135	0.9076E-04
60-75.00	0.3315E-01	-7.5 TO 37.5	0.1016E-04	82.5-127.5	0.7971E-05	60	0- 45	0.5324E-04	90-135	0.4372E-04
75-81.95	0.1633E-01	-7.5 TO 37.5	0.9254E-06	82.5-127.5	0.3314E-06	75	0- 45	0.9637E-05	90-135	0.5138E-05
0-15.00	0.6246E-02	-7.5 TO 52.5	0.6578E-04	82.5-142.5	0.6367E-04	0	0- 60	0.2676E-03	90-150	0.2676E-03
15-30.00	0.1831E-01	-7.5 TO 52.5	0.5773E-04	82.5-142.5	0.5363E-04	15	0- 60	0.2550E-03	90-150	0.2422E-03
30-45.00	0.2913E-01	-7.5 TO 52.5	0.4289E-04	82.5-142.5	0.3821E-04	30	0- 60	0.2058E-03	90-150	0.1863E-03
45-60.00	0.3796E-01	-7.5 TO 52.5	0.2579E-04	82.5-142.5	0.2199E-04	45	0- 60	0.1382E-03	90-150	0.1196E-03
60-75.00	0.4421E-01	-7.5 TO 52.5	0.1004E-04	82.5-142.5	0.7784E-05	60	0- 60	0.7021E-04	90-150	0.5734E-04
75-81.95	0.2178E-01	-7.5 TO 52.5	0.8881E-06	82.5-142.5	0.2906E-06	75	0- 60	0.1247E-04	90-150	0.6427E-05
0-15.00	0.7807E-02	-7.5 TO 67.5	0.6565E-04	82.5-157.5	0.6350E-04	0	0- 75	0.3345E-03	90-165	0.3345E-03
15-30.00	0.2289E-01	-7.5 TO 67.5	0.5747E-04	82.5-157.5	0.5331E-04	15	0- 75	0.3177E-03	90-165	0.3017E-03
30-45.00	0.3641E-01	-7.5 TO 67.5	0.4259E-04	82.5-157.5	0.3786E-04	30	0- 75	0.2556E-03	90-165	0.2313E-03
45-60.00	0.4745E-01	-7.5 TO 67.5	0.2555E-04	82.5-157.5	0.2171E-04	45	0- 75	0.1711E-03	90-165	0.1480E-03
60-75.00	0.5526E-01	-7.5 TO 67.5	0.9893E-05	82.5-157.5	0.7622E-05	60	0- 75	0.8661E-04	90-165	0.7067E-04
75-81.95	0.2722E-01	-7.5 TO 67.5	0.8418E-06	82.5-157.5	0.2593E-06	75	0- 75	0.1503E-04	90-165	0.7592E-05
0-15.00	0.9368E-02	-7.5 TO 82.5	0.6549E-04	82.5-172.5	0.6336E-04	0	0- 90	0.4015E-03	90-180	0.4015E-03
15-30.00	0.2747E-01	-7.5 TO 82.5	0.5717E-04	82.5-172.5	0.5304E-04	15	0- 90	0.3797E-03	90-180	0.3610E-03
30-45.00	0.4369E-01	-7.5 TO 82.5	0.4225E-04	82.5-172.5	0.3756E-04	30	0- 90	0.3044E-03	90-180	0.2761E-03
45-60.00	0.5694E-01	-7.5 TO 82.5	0.2526E-04	82.5-172.5	0.2147E-04	45	0- 90	0.2030E-03	90-180	0.1762E-03
60-75.00	0.6631E-01	-7.5 TO 82.5	0.9721E-05	82.5-172.5	0.7488E-05	60	0- 90	0.1024E-03	90-180	0.8386E-04
75-81.95	0.3267E-01	-7.5 TO 82.5	0.7915E-06	82.5-172.5	0.2359E-06	75	0- 90	0.1729E-04	90-180	0.8695E-05
0-15.00	0.1093E-01	-7.5 TO 97.5	0.6532E-04	82.5-187.5	0.6325E-04	0	0-105	0.4684E-03	90-195	0.4684E-03
15-30.00	0.3204E-01	-7.5 TO 97.5	0.5683E-04	82.5-187.5	0.5284E-04	15	0-105	0.4411E-03	90-195	0.4203E-03
30-45.00	0.5097E-01	-7.5 TO 97.5	0.4186E-04	82.5-187.5	0.3733E-04	30	0-105	0.3522E-03	90-195	0.3209E-03
45-60.00	0.6643E-01	-7.5 TO 97.5	0.2495E-04	82.5-187.5	0.2129E-04	45	0-105	0.2341E-03	90-195	0.2044E-03
60-75.00	0.7736E-01	-7.5 TO 97.5	0.9533E-05	82.5-187.5	0.7386E-05	60	0-105	0.1175E-03	90-195	0.9704E-04
75-81.95	0.3811E-01	-7.5 TO 97.5	0.7400E-06	82.5-187.5	0.2185E-06	75	0-105	0.1926E-04	90-195	0.9798E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5910$ $\cosh \mu_2 = 8.0300$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 129.70$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1561E-02	-7.5 TO 7.5	0.1302E-03	82.5- 97.5	0.1252E-03	0	0- 15	0.1303E-03	90-105	0.1303E-03
15-30.00	0.4578E-02	-7.5 TO 7.5	0.1167E-03	82.5- 97.5	0.1068E-03	15	0- 15	0.1275E-03	90-105	0.1193E-03
30-45.00	0.7282E-02	-7.5 TO 7.5	0.8852E-04	82.5- 97.5	0.7719E-04	30	0- 15	0.1054E-03	90-105	0.9285E-04
45-60.00	0.9450E-02	-7.5 TO 7.5	0.5440E-04	82.5- 97.5	0.4511E-04	45	0- 15	0.7239E-04	90-105	0.6031E-04
60-75.00	0.1105E-01	-7.5 TO 7.5	0.2206E-04	82.5- 97.5	0.1652E-04	60	0- 15	0.3783E-04	90-105	0.2939E-04
75-81.95	0.5445E-02	-7.5 TO 7.5	0.2530E-05	82.5- 97.5	0.8777E-06	75	0- 15	0.7790E-05	90-105	0.3818E-05
0-15.00	0.3123E-02	-7.5 TO 22.5	0.1301E-03	82.5-112.5	0.1245E-03	0	0- 30	0.2605E-03	90-120	0.2605E-03
15-30.00	0.9155E-02	-7.5 TO 22.5	0.1165E-03	82.5-112.5	0.1056E-03	15	0- 30	0.2544E-03	90-120	0.2367E-03
30-45.00	0.1456E-01	-7.5 TO 22.5	0.8832E-04	82.5-112.5	0.7581E-04	30	0- 30	0.2101E-03	90-120	0.1830E-03
45-60.00	0.1858E-01	-7.5 TO 22.5	0.5423E-04	82.5-112.5	0.4401E-04	45	0- 30	0.1440E-03	90-120	0.1181E-03
60-75.00	0.2210E-01	-7.5 TO 22.5	0.2195E-04	82.5-112.5	0.1589E-04	60	0- 30	0.7511E-04	90-120	0.5708E-04
75-81.95	0.1089E-01	-7.5 TO 22.5	0.2492E-05	82.5-112.5	0.7358E-06	75	0- 30	0.1531E-04	90-120	0.6901E-05
0-15.00	0.4684E-02	-7.5 TO 37.5	0.1299E-03	82.5-127.5	0.1239E-03	0	0- 45	0.3908E-03	90-135	0.3908E-03
15-30.00	0.1373E-01	-7.5 TO 37.5	0.1161E-03	82.5-127.5	0.1044E-03	15	0- 45	0.3804E-03	90-135	0.3526E-03
30-45.00	0.2185E-01	-7.5 TO 37.5	0.8786E-04	82.5-127.5	0.7451E-04	30	0- 45	0.3132E-03	90-135	0.2708E-03
45-60.00	0.2847E-01	-7.5 TO 37.5	0.5385E-04	82.5-127.5	0.4297E-04	45	0- 45	0.2142E-03	90-135	0.1737E-03
60-75.00	0.3315E-01	-7.5 TO 37.5	0.2172E-04	82.5-127.5	0.1530E-04	60	0- 45	0.1113E-03	90-135	0.8331E-04
75-81.95	0.1633E-01	-7.5 TO 37.5	0.2411E-05	82.5-127.5	0.6107E-06	75	0- 45	0.2231E-04	90-135	0.9371E-05
0-15.00	0.6244E-02	-7.5 TO 52.5	0.1296E-03	82.5-142.5	0.1234E-03	0	0- 60	0.5211E-03	90-150	0.5211E-03
15-30.00	0.1831E-01	-7.5 TO 52.5	0.1155E-03	82.5-142.5	0.1034E-03	15	0- 60	0.5090E-03	90-150	0.4672E-03
30-45.00	0.2913E-01	-7.5 TO 52.5	0.8717E-04	82.5-142.5	0.7333E-04	30	0- 60	0.4142E-03	90-150	0.3567E-03
45-60.00	0.3796E-01	-7.5 TO 52.5	0.5327E-04	82.5-142.5	0.4204E-04	45	0- 60	0.2823E-03	90-150	0.2275E-03
60-75.00	0.4421E-01	-7.5 TO 52.5	0.2137E-04	82.5-142.5	0.1478E-04	60	0- 60	0.1461E-03	90-150	0.1084E-03
75-81.95	0.2178E-01	-7.5 TO 52.5	0.2294E-05	82.5-142.5	0.5172E-06	75	0- 60	0.2861E-04	90-150	0.1137E-04
0-15.00	0.7807E-02	-7.5 TO 67.5	0.1292E-03	82.5-157.5	0.1229E-03	0	0- 75	0.6514E-03	90-165	0.6514E-03
15-30.00	0.2289E-01	-7.5 TO 67.5	0.1147E-03	82.5-157.5	0.1025E-03	15	0- 75	0.6280E-03	90-165	0.5809E-03
30-45.00	0.3641E-01	-7.5 TO 67.5	0.8628E-04	82.5-157.5	0.7230E-04	30	0- 75	0.5127E-03	90-165	0.4413E-03
45-60.00	0.4745E-01	-7.5 TO 67.5	0.5234E-04	82.5-157.5	0.4123E-04	45	0- 75	0.3479E-03	90-165	0.2802E-03
60-75.00	0.5526E-01	-7.5 TO 67.5	0.2093E-04	82.5-157.5	0.1433E-04	60	0- 75	0.1792E-03	90-165	0.1327E-03
75-81.95	0.2722E-01	-7.5 TO 67.5	0.2150E-05	82.5-157.5	0.4504E-06	75	0- 75	0.3410E-04	90-165	0.1306E-04
0-15.00	0.9366E-02	-7.5 TO 82.5	0.1288E-03	82.5-172.5	0.1225E-03	0	0- 90	0.7816E-03	90-180	0.7816E-03
15-30.00	0.2747E-01	-7.5 TO 82.5	0.1138E-03	82.5-172.5	0.1017E-03	15	0- 90	0.7491E-03	90-180	0.6941E-03
30-45.00	0.4369E-01	-7.5 TO 82.5	0.8524E-04	82.5-172.5	0.7145E-04	30	0- 90	0.6084E-03	90-180	0.5252E-03
45-60.00	0.5694E-01	-7.5 TO 82.5	0.5169E-04	82.5-172.5	0.4056E-04	45	0- 90	0.4109E-03	90-180	0.3322E-03
60-75.00	0.6631E-01	-7.5 TO 82.5	0.2042E-04	82.5-172.5	0.1396E-04	60	0- 90	0.2104E-03	90-180	0.1565E-03
75-81.95	0.3267E-01	-7.5 TO 82.5	0.1992E-05	82.5-172.5	0.4014E-06	75	0- 90	0.3874E-04	90-180	0.1459E-04
0-15.00	0.1093E-01	-7.5 TO 97.5	0.1283E-03	82.5-187.5	0.1222E-03	0	0-105	0.9119E-03	90-195	0.9119E-03
15-30.00	0.3204E-01	-7.5 TO 97.5	0.1128E-03	82.5-187.5	0.1011E-03	15	0-105	0.8684E-03	90-195	0.8073E-03
30-45.00	0.5057E-01	-7.5 TO 97.5	0.8409E-04	82.5-187.5	0.7079E-04	30	0-105	0.7012E-03	90-195	0.6090E-03
45-60.00	0.6643E-01	-7.5 TO 97.5	0.5075E-04	82.5-187.5	0.4005E-04	45	0-105	0.4712E-03	90-195	0.3842E-03
60-75.00	0.7736E-01	-7.5 TO 97.5	0.1986E-04	82.5-187.5	0.1368E-04	60	0-105	0.2398E-03	90-195	0.1804E-03
75-81.95	0.3811E-01	-7.5 TO 97.5	0.1833E-05	82.5-187.5	0.3652E-06	75	0-105	0.4256E-04	90-195	0.1612E-04

$r_2/r_1 = 0.30$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5910$ $\cosh \mu_2 = 8.0300$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 113.60$

0-15.00	0.1561E-02	-7.5 TO 7.5	0.1915E-03	82.5- 97.5	0.1816E-03	0	0- 15	0.1889E-03	90-105	0.1889E-03
15-30.00	0.4578E-02	-7.5 TO 7.5	0.1746E-03	82.5- 97.5	0.1551E-03	15	0- 15	0.1887E-03	90-105	0.1725E-03
30-45.00	0.7282E-02	-7.5 TO 7.5	0.1348E-03	82.5- 97.5	0.1123E-03	30	0- 15	0.1592E-03	90-105	0.1342E-03
45-60.00	0.9450E-02	-7.5 TO 7.5	0.8426E-04	82.5- 97.5	0.6581E-04	45	0- 15	0.1112E-03	90-105	0.8717E-04
60-75.00	0.1105E-01	-7.5 TO 7.5	0.3509E-04	82.5- 97.5	0.2423E-04	60	0- 15	0.5920E-04	90-105	0.4254E-04
75-81.95	0.5445E-02	-7.5 TO 7.5	0.4747E-05	82.5- 97.5	0.1337E-05	75	0- 15	0.1316E-04	90-105	0.5564E-05
0-15.00	0.3123E-02	-7.5 TO 22.5	0.1913E-03	82.5-112.5	0.1803E-03	0	0- 30	0.3778E-03	90-120	0.3778E-03
15-30.00	0.9155E-02	-7.5 TO 22.5	0.1743E-03	82.5-112.5	0.1527E-03	15	0- 30	0.3765E-03	90-120	0.3416E-03
30-45.00	0.1456E-01	-7.5 TO 22.5	0.1344E-03	82.5-112.5	0.1096E-03	30	0- 30	0.3167E-03	90-120	0.2631E-03
45-60.00	0.1858E-01	-7.5 TO 22.5	0.8392E-04	82.5-112.5	0.6366E-04	45	0- 30	0.2208E-03	90-120	0.1694E-03
60-75.00	0.2210E-01	-7.5 TO 22.5	0.3488E-04	82.5-112.5	0.2303E-04	60	0- 30	0.1173E-03	90-120	0.8182E-04
75-81.95	0.1089E-01	-7.5 TO 22.5	0.4660E-05	82.5-112.5	0.1084E-05	75	0- 30	0.2577E-04	90-120	0.9818E-05
0-15.00	0.4684E-02	-7.5 TO 37.5	0.1909E-03	82.5-127.5	0.1791E-03	0	0- 45	0.5667E-03	90-135	0.5667E-03
15-30.00	0.1373E-01	-7.5 TO 37.5	0.1735E-03	82.5-127.5	0.1504E-03	15	0- 45	0.5623E-03	90-135	0.5074E-03
30-45.00	0.2185E-01	-7.5 TO 37.5	0.1335E-03	82.5-127.5	0.1070E-03	30	0- 45	0.4713E-03	90-135	0.3874E-03
45-60.00	0.2847E-01	-7.5 TO 37.5	0.8315E-04	82.5-127.5	0.6166E-04	45	0- 45	0.3275E-03	90-135	0.2475E-03
60-75.00	0.3315E-01	-7.5 TO 37.5	0.3442E-04	82.5-127.5	0.2194E-04	60	0- 45	0.1733E-03	90-135	0.1183E-03
75-81.95	0.1633E-01	-7.5 TO 37.5	0.4470E-05	82.5-127.5	0.8728E-06	75	0- 45	0.3737E-04	90-135	0.1302E-04
0-15.00	0.6244E-02	-7.5 TO 52.5	0.1903E-03	82.5-142.5	0.1780E-03	0	0- 60	0.7555E-03	90-150	0.7555E-03
15-30.00	0.1831E-01	-7.5 TO 52.5	0.1723E-03	82.5-142.5	0.1483E-03	15	0- 60	0.7454E-03	90-150	0.6708E-03
30-45.00	0.2913E-01	-7.5 TO 52.5	0.1321E-03	82.5-142.5	0.1047E-03	30	0- 60	0.6216E-03	90-150	0.5080E-03
45-60.00	0.3796E-01	-7.5 TO 52.5	0.8200E-04	82.5-142.5	0.5987E-04	45	0- 60	0.4301E-03	90-150	0.3221E-03
60-75.00	0.4421E-01	-7.5 TO 52.5	0.3372E-04	82.5-142.5	0.2098E-04	60	0- 60	0.2264E-03	90-150	0.1527E-03
75-81.95	0.2178E-01	-7.5 TO 52.5	0.4209E-05	82.5-142.5	0.7250E-06	75	0- 60	0.4760E-04	90-150	0.1543E-04
0-15.00	0.7807E-02	-7.5 TO 67.5	0.1896E-03	82.5-157.5	0.1771E-03	0	0- 75	0.9444E-03	90-165	0.9444E-03
15-30.00	0.2289E-01	-7.5 TO 67.5	0.1708E-03	82.5-157.5	0.1465E-03	15	0- 75	0.9253E-03	90-165	0.8324E-03
30-45.00	0.3641E-01	-7.5 TO 67.5	0.1304E-03	82.5-157.5	0.1027E-03	30	0- 75	0.7669E-03	90-165	0.6260E-03
45-60.00	0.4745E-01	-7.5 TO 67.5	0.8053E-04	82.5-157.5	0.5832E-04	45	0- 75	0.5278E-03	90-165	0.3945E-03
60-75.00	0.5526E-01	-7.5 TO 67.5	0.3284E-04	82.5-157.5	0.2016E-04	60	0- 75	0.2761E-03	90-165	0.1856E-03
75-81.95	0.2722E-01	-7.5 TO 67.5	0.3906E-05	82.5-157.5	0.6215E-06	75	0- 75	0.5627E-04	90-165	0.1733E-04
0-15.00	0.9366E-02	-7.5 TO 82.5	0.1886E-03	82.5-172.5	0.1763E-03	0	0- 90	0.1133E-02	90-180	0.1133E-02
15-30.00	0.2747E-01	-7.5 TO 82.5	0.1690E-03	82.5-172.5	0.1450E-03	15	0- 90	0.1102E-02	90-180	0.9931E-03
30-45.00	0.4369E-01	-7.5 TO 82.5	0.1283E-03	82.5-172.5	0.1011E-03	30	0- 90	0.9067E-03	90-180	0.7427E-03
45-60.00	0.5694E-01	-7.5 TO 82.5	0.7883E-04	82.5-172.5	0.5705E-04	45	0- 90	0.6202E-03	90-180	0.4656E-03
60-75.00	0.6631E-01	-7.5 TO 82.5	0.3183E-04	82.5-172.5	0.1949E-04	60	0- 90	0.3222E-03	90-180	0.2177E-03
75-81.95	0.3267E-01	-7.5 TO 82.5	0.3581E-05	82.5-172.5	0.5461E-06	75	0- 90	0.6334E-04	90-180	0.1899E-04
0-15.00	0.1093E-01	-7.5 TO 97.5	0.1876E-03	82.5-187.5	0.1756E-03	0	0-105	0.1322E-02	90-195	0.1322E-02
15-30.00	0.3204E-01	-7.5 TO 97.5	0.1670E-03	82.5-187.5	0.1439E-03	15	0-105	0.1274E-02	90-195	0.1154E-02
30-45.00	0.5057E-01	-7.5 TO 97.5	0.1260E-03	82.5-187.5	0.9982E-04	30	0-105	0.1041E-02	90-195	0.8594E-03
45-60.00	0.6643E-01	-7.5 TO 97.5	0.7697E-04	82.5-187.5	0.5607E-04	45	0-105	0.7074E-03	90-195	0.5367E-03
60-75.00	0.7736E-01	-7.5 TO 97.5	0.3075E-04	82.5-187.5	0.1897E-04	60	0-105	0.3647E-03	90-195	0.2499E-03
75-81.95	0.3811E-01	-7.5 TO 97.5	0.3261E-05	82.5-187.5	0.4906E-06	75	0-105	0.6890E-04	90-195	0.2064E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

r_2/r_1 = 0.30 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5910 $\cosh \mu_2$ = 8.0300 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 97.98

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1064E-02	-7.5 TO 7.5	0.2330E-03	82.5- 97.5	0.2175E-03	0	0- 15	0.2262E-03	90-105	0.2262E-03
15-30.00	0.4978E-02	-7.5 TO 7.5	0.2169E-03	82.5- 97.5	0.1859E-03	15	0- 15	0.2314E-03	90-105	0.2061E-03
30-45.00	0.7262E-02	-7.5 TO 7.5	0.1703E-03	82.5- 97.5	0.1349E-03	30	0- 15	0.1992E-03	90-105	0.1600E-03
45-60.00	0.9456E-02	-7.5 TO 7.5	0.1081E-03	82.5- 97.5	0.7926E-04	45	0- 15	0.1416E-03	90-105	0.1039E-03
60-75.00	0.1102E-01	-7.5 TO 7.5	0.4595E-04	82.5- 97.5	0.2932E-04	60	0- 15	0.7661E-04	90-105	0.5079E-04
75-81.95	0.5443E-02	-7.5 TO 7.5	0.6914E-05	82.5- 97.5	0.1669E-05	75	0- 15	0.1790E-04	90-105	0.6705E-05
0-15.00	0.2123E-02	-7.5 TO 22.5	0.2327E-03	82.5-112.5	0.2155E-03	0	0- 30	0.4524E-03	90-120	0.4524E-03
15-30.00	0.9155E-02	-7.5 TO 22.5	0.2161E-03	82.5-112.5	0.1822E-03	15	0- 30	0.4613E-03	90-120	0.4066E-03
30-45.00	0.1456E-01	-7.5 TO 22.5	0.1697E-03	82.5-112.5	0.1307E-03	30	0- 30	0.3959E-03	90-120	0.3119E-03
45-60.00	0.1898E-01	-7.5 TO 22.5	0.1076E-03	82.5-112.5	0.7597E-04	45	0- 30	0.2807E-03	90-120	0.2003E-03
60-75.00	0.2210E-01	-7.5 TO 22.5	0.4563E-04	82.5-112.5	0.2756E-04	60	0- 30	0.1515E-03	90-120	0.9668E-04
75-81.95	0.1089E-01	-7.5 TO 22.5	0.6776E-05	82.5-112.5	0.1327E-05	75	0- 30	0.3497E-04	90-120	0.1163E-04
0-15.00	0.4684E-02	-7.5 TO 37.5	0.2321E-03	82.5-127.5	0.2136E-03	0	0- 45	0.6786E-03	90-135	0.6786E-03
15-30.00	0.1373E-01	-7.5 TO 37.5	0.2148E-03	82.5-127.5	0.1786E-03	15	0- 45	0.6881E-03	90-135	0.6023E-03
30-45.00	0.2185E-01	-7.5 TO 37.5	0.1682E-03	82.5-127.5	0.1267E-03	30	0- 45	0.5879E-03	90-135	0.4566E-03
45-60.00	0.2847E-01	-7.5 TO 37.5	0.1064E-03	82.5-127.5	0.7292E-04	45	0- 45	0.4151E-03	90-135	0.2902E-03
60-75.00	0.3315E-01	-7.5 TO 37.5	0.4490E-04	82.5-127.5	0.2597E-04	60	0- 45	0.2230E-03	90-135	0.1385E-03
75-81.95	0.1633E-01	-7.5 TO 37.5	0.6674E-05	82.5-127.5	0.1050E-05	75	0- 45	0.5048E-04	90-135	0.1518E-04
0-15.00	0.6246E-02	-7.5 TO 52.5	0.2312E-03	82.5-142.5	0.2119E-03	0	0- 60	0.9047E-03	90-150	0.9047E-03
15-30.00	0.1831E-01	-7.5 TO 52.5	0.2130E-03	82.5-142.5	0.1754E-03	15	0- 60	0.9107E-03	90-150	0.7961E-03
30-45.00	0.2913E-01	-7.5 TO 52.5	0.1660E-03	82.5-142.5	0.1232E-03	30	0- 60	0.7732E-03	90-150	0.5956E-03
45-60.00	0.3796E-01	-7.5 TO 52.5	0.1045E-03	82.5-142.5	0.7020E-04	45	0- 60	0.5431E-03	90-150	0.3750E-03
60-75.00	0.4421E-01	-7.5 TO 52.5	0.4382E-04	82.5-142.5	0.2458E-04	60	0- 60	0.2901E-03	90-150	0.1771E-03
75-81.95	0.2178E-01	-7.5 TO 52.5	0.6052E-05	82.5-142.5	0.8629E-06	75	0- 60	0.6394E-04	90-150	0.1774E-04
0-15.00	0.7807E-02	-7.5 TO 67.5	0.2300E-03	82.5-157.5	0.2104E-03	0	0- 75	0.1131E-02	90-165	0.1131E-02
15-30.00	0.2289E-01	-7.5 TO 67.5	0.2106E-03	82.5-157.5	0.1726E-03	15	0- 75	0.1128E-02	90-165	0.9831E-03
30-45.00	0.3641E-01	-7.5 TO 67.5	0.1632E-03	82.5-157.5	0.1201E-03	30	0- 75	0.9505E-03	90-165	0.7306E-03
45-60.00	0.4745E-01	-7.5 TO 67.5	0.1022E-03	82.5-157.5	0.6787E-04	45	0- 75	0.6634E-03	90-165	0.4562E-03
60-75.00	0.5526E-01	-7.5 TO 67.5	0.4246E-04	82.5-157.5	0.2341E-04	60	0- 75	0.3518E-03	90-165	0.2135E-03
75-81.95	0.2722E-01	-7.5 TO 67.5	0.5572E-05	82.5-157.5	0.7333E-06	75	0- 75	0.7508E-04	90-165	0.1969E-04
0-15.00	0.9366E-02	-7.5 TO 82.5	0.2286E-03	82.5-172.5	0.2092E-03	0	0- 90	0.1357E-02	90-180	0.1357E-02
15-30.00	0.2747E-01	-7.5 TO 82.5	0.2077E-03	82.5-172.5	0.1703E-03	15	0- 90	0.1340E-02	90-180	0.1171E-02
30-45.00	0.4369E-01	-7.5 TO 82.5	0.1599E-03	82.5-172.5	0.1176E-03	30	0- 90	0.1119E-02	90-180	0.8636E-03
45-60.00	0.5694E-01	-7.5 TO 82.5	0.9956E-04	82.5-172.5	0.6595E-04	45	0- 90	0.7755E-03	90-180	0.5367E-03
60-75.00	0.6631E-01	-7.5 TO 82.5	0.4091E-04	82.5-172.5	0.2246E-04	60	0- 90	0.4080E-03	90-180	0.2489E-03
75-81.95	0.3267E-01	-7.5 TO 82.5	0.5071E-05	82.5-172.5	0.6396E-06	75	0- 90	0.8390E-04	90-180	0.2136E-04
0-15.00	0.1093E-01	-7.5 TO 97.5	0.2270E-03	82.5-187.5	0.2083E-03	0	0-105	0.1583E-02	90-195	0.1583E-02
15-30.00	0.3204E-01	-7.5 TO 97.5	0.2046E-03	82.5-187.5	0.1685E-03	15	0-105	0.1546E-02	90-195	0.1358E-02
30-45.00	0.5057E-01	-7.5 TO 97.5	0.1564E-03	82.5-187.5	0.1156E-03	30	0-105	0.1279E-02	90-195	0.9966E-03
45-60.00	0.6643E-01	-7.5 TO 97.5	0.9666E-04	82.5-187.5	0.6448E-04	45	0-105	0.8794E-03	90-195	0.6151E-03
60-75.00	0.7736E-01	-7.5 TO 97.5	0.3925E-04	82.5-187.5	0.2173E-04	60	0-105	0.4588E-03	90-195	0.2842E-03
75-81.95	0.3811E-01	-7.5 TO 97.5	0.4586E-05	82.5-187.5	0.5708E-06	75	0-105	0.9061E-04	90-195	0.2302E-04

r_2/r_1 = 0.30 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5910 $\cosh \mu_2$ = 8.0300 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 82.85

0-15.00	0.1061E-02	-7.5 TO 7.5	0.2453E-03	82.5- 97.5	0.2254E-03	0	0- 15	0.2344E-03	90-105	0.2344E-03
15-30.00	0.4978E-02	-7.5 TO 7.5	0.2330E-03	82.5- 97.5	0.1928E-03	15	0- 15	0.2456E-03	90-105	0.2130E-03
30-45.00	0.7282E-02	-7.5 TO 7.5	0.1868E-03	82.5- 97.5	0.1401E-03	30	0- 15	0.2164E-03	90-105	0.1652E-03
45-60.00	0.9490E-02	-7.5 TO 7.5	0.1204E-03	82.5- 97.5	0.8243E-04	45	0- 15	0.1566E-03	90-105	0.1072E-03
60-75.00	0.1103E-01	-7.5 TO 7.5	0.5193E-04	82.5- 97.5	0.3057E-04	60	0- 15	0.8593E-04	90-105	0.5240E-04
75-81.95	0.5445E-02	-7.5 TO 7.5	0.8227E-05	82.5- 97.5	0.1759E-05	75	0- 15	0.2062E-04	90-105	0.6944E-05
0-15.00	0.3123E-02	-7.5 TO 22.5	0.2449E-03	82.5-112.5	0.2229E-03	0	0- 30	0.4688E-03	90-120	0.4687E-03
15-30.00	0.9155E-02	-7.5 TO 22.5	0.2322E-03	82.5-112.5	0.1882E-03	15	0- 30	0.4891E-03	90-120	0.4193E-03
30-45.00	0.1456E-01	-7.5 TO 22.5	0.1860E-03	82.5-112.5	0.1349E-03	30	0- 30	0.4295E-03	90-120	0.3204E-03
45-60.00	0.1898E-01	-7.5 TO 22.5	0.1197E-03	82.5-112.5	0.7844E-04	45	0- 30	0.3099E-03	90-120	0.2054E-03
60-75.00	0.2210E-01	-7.5 TO 22.5	0.5150E-04	82.5-112.5	0.2850E-04	60	0- 30	0.1695E-03	90-120	0.9909E-04
75-81.95	0.1089E-01	-7.5 TO 22.5	0.8051E-05	82.5-112.5	0.1386E-05	75	0- 30	0.4017E-04	90-120	0.1195E-04
0-15.00	0.4684E-02	-7.5 TO 37.5	0.2441E-03	82.5-127.5	0.2207E-03	0	0- 45	0.7031E-03	90-135	0.7031E-03
15-30.00	0.1373E-01	-7.5 TO 37.5	0.2306E-03	82.5-127.5	0.1839E-03	15	0- 45	0.7286E-03	90-135	0.6197E-03
30-45.00	0.2185E-01	-7.5 TO 37.5	0.1840E-03	82.5-127.5	0.1302E-03	30	0- 45	0.6361E-03	90-135	0.4674E-03
45-60.00	0.2847E-01	-7.5 TO 37.5	0.1181E-03	82.5-127.5	0.7487E-04	45	0- 45	0.4568E-03	90-135	0.2962E-03
60-75.00	0.3315E-01	-7.5 TO 37.5	0.5054E-04	82.5-127.5	0.2669E-04	60	0- 45	0.2487E-03	90-135	0.1412E-03
75-81.95	0.1633E-01	-7.5 TO 37.5	0.7667E-05	82.5-127.5	0.1091E-05	75	0- 45	0.5775E-04	90-135	0.1552E-04
0-15.00	0.6246E-02	-7.5 TO 52.5	0.2429E-03	82.5-142.5	0.2186E-03	0	0- 60	0.9375E-03	90-150	0.9375E-03
15-30.00	0.1831E-01	-7.5 TO 52.5	0.2281E-03	82.5-142.5	0.1801E-03	15	0- 60	0.9626E-03	90-150	0.8154E-03
30-45.00	0.2913E-01	-7.5 TO 52.5	0.1810E-03	82.5-142.5	0.1261E-03	30	0- 60	0.8338E-03	90-150	0.6078E-03
45-60.00	0.3796E-01	-7.5 TO 52.5	0.1156E-03	82.5-142.5	0.7176E-04	45	0- 60	0.5951E-03	90-150	0.3814E-03
60-75.00	0.4421E-01	-7.5 TO 52.5	0.4912E-04	82.5-142.5	0.2514E-04	60	0- 60	0.3219E-03	90-150	0.1799E-03
75-81.95	0.2178E-01	-7.5 TO 52.5	0.7131E-05	82.5-142.5	0.8939E-06	75	0- 60	0.7274E-04	90-150	0.1809E-04
0-15.00	0.7807E-02	-7.5 TO 67.5	0.2413E-03	82.5-157.5	0.2168E-03	0	0- 75	0.1172E-02	90-165	0.1172E-02
15-30.00	0.2289E-01	-7.5 TO 67.5	0.2249E-03	82.5-157.5	0.1768E-03	15	0- 75	0.1190E-02	90-165	0.1008E-02
30-45.00	0.3641E-01	-7.5 TO 67.5	0.1773E-03	82.5-157.5	0.1226E-03	30	0- 75	0.1021E-02	90-165	0.7438E-03
45-60.00	0.4745E-01	-7.5 TO 67.5	0.1125E-03	82.5-157.5	0.6914E-04	45	0- 75	0.7232E-03	90-165	0.4629E-03
60-75.00	0.5526E-01	-7.5 TO 67.5	0.4734E-04	82.5-157.5	0.2386E-04	60	0- 75	0.3881E-03	90-165	0.2164E-03
75-81.95	0.2722E-01	-7.5 TO 67.5	0.6524E-05	82.5-157.5	0.7582E-06	75	0- 75	0.8488E-04	90-165	0.2004E-04
0-15.00	0.9368E-02	-7.5 TO 82.5	0.2395E-03	82.5-172.5	0.2153E-03	0	0- 90	0.1406E-02	90-180	0.1406E-02
15-30.00	0.2747E-01	-7.5 TO 82.5	0.2211E-03	82.5-172.5	0.1741E-03	15	0- 90	0.1410E-02	90-180	0.1199E-02
30-45.00	0.4369E-01	-7.5 TO 82.5	0.1729E-03	82.5-172.5	0.1197E-03	30	0- 90	0.1197E-02	90-180	0.8776E-03
45-60.00	0.5694E-01	-7.5 TO 82.5	0.1090E-03	82.5-172.5	0.6702E-04	45	0- 90	0.8405E-03	90-180	0.5424E-03
60-75.00	0.6631E-01	-7.5 TO 82.5	0.4534E-04	82.5-172.5	0.2283E-04	60	0- 90	0.4471E-03	90-180	0.2517E-03
75-81.95	0.3267E-01	-7.5 TO 82.5	0.5903E-05	82.5-172.5	0.6603E-06	75	0- 90	0.9424E-04	90-180	0.2170E-04
0-15.00	0.1093E-01	-7.5 TO 97.5	0.2375E-03	82.5-187.5	0.2141E-03	0	0-105	0.1641E-02	90-195	0.1641E-02
15-30.00	0.3204E-01	-7.5 TO 97.5	0.2171E-03	82.5-187.5	0.1720E-03	15	0-105	0.1623E-02	90-195	0.1390E-02
30-45.00	0.5057E-01	-7.5 TO 97.5	0.1682E-03	82.5-187.5	0.1175E-03	30	0-105	0.1362E-02	90-195	0.1011E-02
45-60.00	0.6643E-01	-7.5 TO 97.5	0.1052E-03	82.5-187.5	0.6540E-04	45	0-105	0.9477E-03	90-195	0.6220E-03
60-75.00	0.7736E-01	-7.5 TO 97.5	0.4323E-04	82.5-187.5	0.2205E-04	60	0-105	0.4995E-03	90-195	0.2871E-03
75-81.95	0.3811E-01	-7.5 TO 97.5	0.5312E-05	82.5-187.5	0.9885E-06	75	0-105	0.1012E-03	90-195	0.2336E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

r_2/r_1 = 0.30 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5010 $\cosh \mu_2$ = 8.0300 $\alpha_{2,max}$ = 98.05 $\theta_{2,min}$ = 74.93

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1561E-02	-7.5 TO 7.5	0.2453E-03	82.5- 97.5	0.2254E-03	0	0- 15	0.2344E-03	90-105	0.2344E-03
15-30.00	0.4578E-02	-7.5 TO 7.5	0.2331E-03	82.5- 97.5	0.1928E-03	15	0- 15	0.2456E-03	90-105	0.2130E-03
30-45.00	0.7282E-02	-7.5 TO 7.5	0.1877E-03	82.5- 97.5	0.1401E-03	30	0- 15	0.2168E-03	90-105	0.1652E-03
45-60.00	0.9490E-02	-7.5 TO 7.5	0.1216E-03	82.5- 97.5	0.8243E-04	45	0- 15	0.1577E-03	90-105	0.1072E-03
60-75.00	0.1105E-01	-7.5 TO 7.5	0.5268E-04	82.5- 97.5	0.3057E-04	60	0- 15	0.8698E-04	90-105	0.5240E-04
75-81.95	0.5445E-02	-7.5 TO 7.5	0.8412E-05	82.5- 97.5	0.1759E-05	75	0- 15	0.2099E-04	90-105	0.6944E-05
0-15.00	0.3123E-02	-7.5 TO 22.5	0.2449E-03	82.5-112.5	0.2229E-03	0	0- 30	0.4688E-03	90-120	0.4687E-03
15-30.00	0.9155E-02	-7.5 TO 22.5	0.2324E-03	82.5-112.5	0.1882E-03	15	0- 30	0.4891E-03	90-120	0.4193E-03
30-45.00	0.1456E-01	-7.5 TO 22.5	0.1867E-03	82.5-112.5	0.1349E-03	30	0- 30	0.4302E-03	90-120	0.3204E-03
45-60.00	0.1898E-01	-7.5 TO 22.5	0.1208E-03	82.5-112.5	0.7844E-04	45	0- 30	0.3118E-03	90-120	0.2054E-03
60-75.00	0.2210E-01	-7.5 TO 22.5	0.5221E-04	82.5-112.5	0.2850E-04	60	0- 30	0.1714E-03	90-120	0.9909E-04
75-81.95	0.1089E-01	-7.5 TO 22.5	0.8225E-05	82.5-112.5	0.1386E-05	75	0- 30	0.4083E-04	90-120	0.1195E-04
0-15.00	0.4684E-02	-7.5 TO 37.5	0.2441E-03	82.5-127.5	0.2207E-03	0	0- 45	0.7031E-03	90-135	0.7031E-03
15-30.00	0.1373E-01	-7.5 TO 37.5	0.2307E-03	82.5-127.5	0.1839E-03	15	0- 45	0.7286E-03	90-135	0.6197E-03
30-45.00	0.2185E-01	-7.5 TO 37.5	0.1847E-03	82.5-127.5	0.1302E-03	30	0- 45	0.6369E-03	90-135	0.4674E-03
45-60.00	0.2847E-01	-7.5 TO 37.5	0.1190E-03	82.5-127.5	0.7487E-04	45	0- 45	0.4592E-03	90-135	0.2962E-03
60-75.00	0.3315E-01	-7.5 TO 37.5	0.5117E-04	82.5-127.5	0.2669E-04	60	0- 45	0.2511E-03	90-135	0.1412E-03
75-81.95	0.1633E-01	-7.5 TO 37.5	0.7818E-05	82.5-127.5	0.1091E-05	75	0- 45	0.5858E-04	90-135	0.1552E-04
0-15.00	0.6246E-02	-7.5 TO 52.5	0.2429E-03	82.5-142.5	0.2186E-03	0	0- 60	0.9375E-03	90-150	0.9375E-03
15-30.00	0.1831E-01	-7.5 TO 52.5	0.2281E-03	82.5-142.5	0.1801E-03	15	0- 60	0.9626E-03	90-150	0.8154E-03
30-45.00	0.2913E-01	-7.5 TO 52.5	0.1816E-03	82.5-142.5	0.1261E-03	30	0- 60	0.8346E-03	90-150	0.6078E-03
45-60.00	0.3796E-01	-7.5 TO 52.5	0.1164E-03	82.5-142.5	0.7176E-04	45	0- 60	0.5976E-03	90-150	0.3814E-03
60-75.00	0.4421E-01	-7.5 TO 52.5	0.4965E-04	82.5-142.5	0.2514E-04	60	0- 60	0.3244E-03	90-150	0.1799E-03
75-81.95	0.2178E-01	-7.5 TO 52.5	0.7257E-05	82.5-142.5	0.8939E-06	75	0- 60	0.7363E-04	90-150	0.1809E-04
0-15.00	0.7807E-02	-7.5 TO 67.5	0.2413E-03	82.5-157.5	0.2168E-03	0	0- 75	0.1172E-02	90-165	0.1172E-02
15-30.00	0.2289E-01	-7.5 TO 67.5	0.2249E-03	82.5-157.5	0.1768E-03	15	0- 75	0.1190E-02	90-165	0.1008E-02
30-45.00	0.3641E-01	-7.5 TO 67.5	0.1777E-03	82.5-157.5	0.1226E-03	30	0- 75	0.1022E-02	90-165	0.7438E-03
45-60.00	0.4745E-01	-7.5 TO 67.5	0.1132E-03	82.5-157.5	0.6914E-04	45	0- 75	0.7257E-03	90-165	0.4629E-03
60-75.00	0.5526E-01	-7.5 TO 67.5	0.4778E-04	82.5-157.5	0.2386E-04	60	0- 75	0.3906E-03	90-165	0.2164E-03
75-81.95	0.2722E-01	-7.5 TO 67.5	0.6627E-05	82.5-157.5	0.7582E-06	75	0- 75	0.8577E-04	90-165	0.2004E-04
0-15.00	0.9368E-02	-7.5 TO 82.5	0.2395E-03	82.5-172.5	0.2153E-03	0	0- 90	0.1406E-02	90-180	0.1406E-02
15-30.00	0.2747E-01	-7.5 TO 82.5	0.2212E-03	82.5-172.5	0.1741E-03	15	0- 90	0.1410E-02	90-180	0.1199E-02
30-45.00	0.4369E-01	-7.5 TO 82.5	0.1733E-03	82.5-172.5	0.1197E-03	30	0- 90	0.1198E-02	90-180	0.8776E-03
45-60.00	0.5694E-01	-7.5 TO 82.5	0.1095E-03	82.5-172.5	0.6702E-04	45	0- 90	0.8430E-03	90-180	0.5424E-03
60-75.00	0.6631E-01	-7.5 TO 82.5	0.4570E-04	82.5-172.5	0.2283E-04	60	0- 90	0.4497E-03	90-180	0.2517E-03
75-81.95	0.3267E-01	-7.5 TO 82.5	0.5989E-05	82.5-172.5	0.6603E-06	75	0- 90	0.9513E-04	90-180	0.2170E-04
0-15.00	0.1093E-01	-7.5 TO 97.5	0.2375E-03	82.5-187.5	0.2141E-03	0	0-105	0.1641E-02	90-195	0.1641E-02
15-30.00	0.3204E-01	-7.5 TO 97.5	0.2172E-03	82.5-187.5	0.1720E-03	15	0-105	0.1623E-02	90-195	0.1390E-02
30-45.00	0.5093E-01	-7.5 TO 97.5	0.1685E-03	82.5-187.5	0.1175E-03	30	0-105	0.1363E-02	90-195	0.1011E-02
45-60.00	0.6643E-01	-7.5 TO 97.5	0.1057E-03	82.5-187.5	0.6540E-04	45	0-105	0.9503E-03	90-195	0.6220E-03
60-75.00	0.7734E-01	-7.5 TO 97.5	0.4394E-04	82.5-187.5	0.2205E-04	60	0-105	0.5021E-03	90-195	0.2871E-03
75-81.95	0.3811E-01	-7.5 TO 97.5	0.5386E-05	82.5-187.5	0.5885E-06	75	0-105	0.1021E-03	90-195	0.2336E-04

r_2/r_1 = 0.30 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5650 $\cosh \mu_2$ = 11.4500 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 163.65

0-15.00	0.7618E-03	-7.5 TO 7.5	0.7526E-05	82.5- 97.5	0.7467E-05	0	0- 15	0.7703E-05	90-105	0.7703E-05
15-30.00	0.2234E-02	-7.5 TO 7.5	0.6707E-05	82.5- 97.5	0.6587E-05	15	0- 15	0.7320E-05	90-105	0.7223E-05
30-45.00	0.3553E-02	-7.5 TO 7.5	0.5219E-05	82.5- 97.5	0.5071E-05	30	0- 15	0.6105E-05	90-105	0.5948E-05
45-60.00	0.4631E-02	-7.5 TO 7.5	0.3401E-05	82.5- 97.5	0.3268E-05	45	0- 15	0.4375E-05	90-105	0.4210E-05
60-75.00	0.5392E-02	-7.5 TO 7.5	0.1574E-05	82.5- 97.5	0.1483E-05	60	0- 15	0.2491E-05	90-105	0.2361E-05
75-84.26	0.3551E-02	-7.5 TO 7.5	0.2552E-06	82.5- 97.5	0.2206E-06	75	0- 15	0.7247E-06	90-105	0.6501E-06
0-15.00	0.1524E-02	-7.5 TO 22.5	0.7525E-05	82.5-112.5	0.7459E-05	0	0- 30	0.1541E-04	90-120	0.1541E-04
15-30.00	0.4467E-02	-7.5 TO 22.5	0.6705E-05	82.5-112.5	0.6572E-05	15	0- 30	0.1463E-04	90-120	0.1442E-04
30-45.00	0.7106E-02	-7.5 TO 22.5	0.5216E-05	82.5-112.5	0.5052E-05	30	0- 30	0.1220E-04	90-120	0.1186E-04
45-60.00	0.9261E-02	-7.5 TO 22.5	0.3399E-05	82.5-112.5	0.3251E-05	45	0- 30	0.8740E-05	90-120	0.8383E-05
60-75.00	0.1078E-01	-7.5 TO 22.5	0.1573E-05	82.5-112.5	0.1472E-05	60	0- 30	0.4973E-05	90-120	0.4693E-05
75-84.26	0.7102E-02	-7.5 TO 22.5	0.2544E-06	82.5-112.5	0.2164E-06	75	0- 30	0.1445E-05	90-120	0.1284E-05
0-15.00	0.2264E-02	-7.5 TO 37.5	0.7523E-05	82.5-127.5	0.7452E-05	0	0- 45	0.2311E-04	90-135	0.2311E-04
15-30.00	0.6701E-02	-7.5 TO 37.5	0.6701E-05	82.5-127.5	0.6557E-05	15	0- 45	0.2194E-04	90-135	0.2160E-04
30-45.00	0.1066E-01	-7.5 TO 37.5	0.5210E-05	82.5-127.5	0.5034E-05	30	0- 45	0.1828E-04	90-135	0.1774E-04
45-60.00	0.1389E-01	-7.5 TO 37.5	0.3394E-05	82.5-127.5	0.3235E-05	45	0- 45	0.1309E-04	90-135	0.1252E-04
60-75.00	0.1618E-01	-7.5 TO 37.5	0.1569E-05	82.5-127.5	0.1461E-05	60	0- 45	0.7441E-05	90-135	0.7000E-05
75-84.26	0.1065E-01	-7.5 TO 37.5	0.2528E-06	82.5-127.5	0.2125E-06	75	0- 45	0.2156E-05	90-135	0.1904E-05
0-15.00	0.3047E-02	-7.5 TO 52.5	0.7519E-05	82.5-142.5	0.7445E-05	0	0- 60	0.3081E-04	90-150	0.3081E-04
15-30.00	0.8934E-02	-7.5 TO 52.5	0.6693E-05	82.5-142.5	0.6544E-05	15	0- 60	0.2922E-04	90-150	0.2877E-04
30-45.00	0.1421E-01	-7.5 TO 52.5	0.5202E-05	82.5-142.5	0.5018E-05	30	0- 60	0.2433E-04	90-150	0.2360E-04
45-60.00	0.1852E-01	-7.5 TO 52.5	0.3386E-05	82.5-142.5	0.3220E-05	45	0- 60	0.1740E-04	90-150	0.1664E-04
60-75.00	0.2157E-01	-7.5 TO 52.5	0.1564E-05	82.5-142.5	0.1451E-05	60	0- 60	0.9887E-05	90-150	0.9286E-05
75-84.26	0.1420E-01	-7.5 TO 52.5	0.2506E-06	82.5-142.5	0.2090E-06	75	0- 60	0.2855E-05	90-150	0.2512E-05
0-15.00	0.3807E-02	-7.5 TO 67.5	0.7515E-05	82.5-157.5	0.7439E-05	0	0- 75	0.3851E-04	90-165	0.3851E-04
15-30.00	0.1117E-01	-7.5 TO 67.5	0.6684E-05	82.5-157.5	0.6532E-05	15	0- 75	0.3649E-04	90-165	0.3592E-04
30-45.00	0.1777E-01	-7.5 TO 67.5	0.5190E-05	82.5-157.5	0.5003E-05	30	0- 75	0.3035E-04	90-165	0.2943E-04
45-60.00	0.2315E-01	-7.5 TO 67.5	0.3376E-05	82.5-157.5	0.3208E-05	45	0- 75	0.2169E-04	90-165	0.2073E-04
60-75.00	0.2696E-01	-7.5 TO 67.5	0.1557E-05	82.5-157.5	0.1442E-05	60	0- 75	0.1231E-04	90-165	0.1156E-04
75-84.26	0.1775E-01	-7.5 TO 67.5	0.2478E-06	82.5-157.5	0.2059E-06	75	0- 75	0.3538E-05	90-165	0.3111E-05
0-15.00	0.4571E-02	-7.5 TO 82.5	0.7509E-05	82.5-172.5	0.7434E-05	0	0- 90	0.4622E-04	90-180	0.4622E-04
15-30.00	0.1340E-01	-7.5 TO 82.5	0.6673E-05	82.5-172.5	0.6522E-05	15	0- 90	0.4374E-04	90-180	0.4307E-04
30-45.00	0.2132E-01	-7.5 TO 82.5	0.5177E-05	82.5-172.5	0.4991E-05	30	0- 90	0.3643E-04	90-180	0.3526E-04
45-60.00	0.2778E-01	-7.5 TO 82.5	0.3363E-05	82.5-172.5	0.3197E-05	45	0- 90	0.2594E-04	90-180	0.2482E-04
60-75.00	0.3235E-01	-7.5 TO 82.5	0.1548E-05	82.5-172.5	0.1435E-05	60	0- 90	0.1470E-04	90-180	0.1382E-04
75-84.26	0.2131E-01	-7.5 TO 82.5	0.2447E-06	82.5-172.5	0.2033E-06	75	0- 90	0.4206E-05	90-180	0.3707E-05
0-15.00	0.5333E-02	-7.5 TO 97.5	0.7503E-05	82.5-187.5	0.7430E-05	0	0-105	0.5392E-04	90-195	0.5392E-04
15-30.00	0.1564E-01	-7.5 TO 97.5	0.6661E-05	82.5-187.5	0.6514E-05	15	0-105	0.5096E-04	90-195	0.5022E-04
30-45.00	0.2487E-01	-7.5 TO 97.5	0.5162E-05	82.5-187.5	0.4982E-05	30	0-105	0.4228E-04	90-195	0.4109E-04
45-60.00	0.3241E-01	-7.5 TO 97.5	0.3350E-05	82.5-187.5	0.3188E-05	45	0-105	0.3015E-04	90-195	0.2890E-04
60-75.00	0.3775E-01	-7.5 TO 97.5	0.1539E-05	82.5-187.5	0.1429E-05	60	0-105	0.1706E-04	90-195	0.1609E-04
75-84.26	0.2486E-01	-7.5 TO 97.5	0.2412E-06	82.5-187.5	0.2013E-06	75	0-105	0.4856E-05	90-195	0.4303E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

r_2/r_1 = 0.30 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5650 $\cosh \mu_2$ = 11.4500 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 147.39

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1616E-03	-7.5 TO 7.5	0.2801E-04	82.5- 97.5	0.2756E-04	0	0- 15	0.2843E-04	90-105	0.2843E-04
15-30.00	0.2234E-02	-7.5 TO 7.5	0.2522E-04	82.5- 97.5	0.2432E-04	15	0- 15	0.2735E-04	90-105	0.2662E-04
30-45.00	0.3553E-02	-7.5 TO 7.5	0.1984E-04	82.5- 97.5	0.1873E-04	30	0- 15	0.2307E-04	90-105	0.2190E-04
45-60.00	0.4631E-02	-7.5 TO 7.5	0.1308E-04	82.5- 97.5	0.1208E-04	45	0- 15	0.1672E-04	90-105	0.1549E-04
60-75.00	0.5352E-02	-7.5 TO 7.5	0.6170E-05	82.5- 97.5	0.5489E-05	60	0- 15	0.9646E-05	90-105	0.8676E-05
75-84.26	0.3551E-02	-7.5 TO 7.5	0.1118E-05	82.5- 97.5	0.8195E-06	75	0- 15	0.2933E-05	90-105	0.2380E-05
0-15.00	0.1524E-02	-7.5 TO 22.5	0.2800E-04	82.5-112.5	0.2751E-04	0	0- 30	0.5687E-04	90-120	0.5687E-04
15-30.00	0.4467E-02	-7.5 TO 22.5	0.2520E-04	82.5-112.5	0.2421E-04	15	0- 30	0.5465E-04	90-120	0.5308E-04
30-45.00	0.7106E-02	-7.5 TO 22.5	0.1982E-04	82.5-112.5	0.1859E-04	30	0- 30	0.4608E-04	90-120	0.4353E-04
45-60.00	0.9261E-02	-7.5 TO 22.5	0.1306E-04	82.5-112.5	0.1196E-04	45	0- 30	0.3336E-04	90-120	0.3070E-04
60-75.00	0.1070E-01	-7.5 TO 22.5	0.6158E-05	82.5-112.5	0.5405E-05	60	0- 30	0.1923E-04	90-120	0.1714E-04
75-84.26	0.7102E-02	-7.5 TO 22.5	0.1112E-05	82.5-112.5	0.7899E-06	75	0- 30	0.5831E-05	90-120	0.4645E-05
0-15.00	0.2286E-02	-7.5 TO 37.5	0.2798E-04	82.5-127.5	0.2745E-04	0	0- 45	0.8530E-04	90-135	0.8530E-04
15-30.00	0.6701E-02	-7.5 TO 37.5	0.2517E-04	82.5-127.5	0.2410E-04	15	0- 45	0.8187E-04	90-135	0.7940E-04
30-45.00	0.1066E-01	-7.5 TO 37.5	0.1977E-04	82.5-127.5	0.1846E-04	30	0- 45	0.6894E-04	90-135	0.6494E-04
45-60.00	0.1389E-01	-7.5 TO 37.5	0.1302E-04	82.5-127.5	0.1184E-04	45	0- 45	0.4986E-04	90-135	0.4568E-04
60-75.00	0.1618E-01	-7.5 TO 37.5	0.6131E-05	82.5-127.5	0.5326E-05	60	0- 45	0.2870E-04	90-135	0.2543E-04
75-84.26	0.1065E-01	-7.5 TO 37.5	0.1098E-05	82.5-127.5	0.7623E-06	75	0- 45	0.8663E-05	90-135	0.6809E-05
0-15.00	0.3047E-02	-7.5 TO 52.5	0.2795E-04	82.5-142.5	0.2740E-04	0	0- 60	0.1137E-03	90-150	0.1137E-03
15-30.00	0.8934E-02	-7.5 TO 52.5	0.2512E-04	82.5-142.5	0.2400E-04	15	0- 60	0.1090E-03	90-150	0.1056E-03
30-45.00	0.1421E-01	-7.5 TO 52.5	0.1971E-04	82.5-142.5	0.1834E-04	30	0- 60	0.9161E-04	90-150	0.8616E-04
45-60.00	0.1852E-01	-7.5 TO 52.5	0.1296E-04	82.5-142.5	0.1173E-04	45	0- 60	0.6615E-04	90-150	0.6046E-04
60-75.00	0.2157E-01	-7.5 TO 52.5	0.6089E-05	82.5-142.5	0.5254E-05	60	0- 60	0.3801E-04	90-150	0.3356E-04
75-84.26	0.1420E-01	-7.5 TO 52.5	0.1077E-05	82.5-142.5	0.7373E-06	75	0- 60	0.1140E-04	90-150	0.8891E-05
0-15.00	0.3809E-02	-7.5 TO 67.5	0.2792E-04	82.5-157.5	0.2736E-04	0	0- 75	0.1422E-03	90-165	0.1422E-03
15-30.00	0.1117E-01	-7.5 TO 67.5	0.2505E-04	82.5-157.5	0.2391E-04	15	0- 75	0.1359E-03	90-165	0.1317E-03
30-45.00	0.1777E-01	-7.5 TO 67.5	0.1962E-04	82.5-157.5	0.1823E-04	30	0- 75	0.1140E-03	90-165	0.1072E-03
45-60.00	0.2315E-01	-7.5 TO 67.5	0.1288E-04	82.5-157.5	0.1164E-04	45	0- 75	0.8219E-04	90-165	0.7511E-04
60-75.00	0.2696E-01	-7.5 TO 67.5	0.6036E-05	82.5-157.5	0.5191E-05	60	0- 75	0.4712E-04	90-165	0.4159E-04
75-84.26	0.1775E-01	-7.5 TO 67.5	0.1051E-05	82.5-157.5	0.7136E-06	75	0- 75	0.1403E-04	90-165	0.1092E-04
0-15.00	0.4571E-02	-7.5 TO 82.5	0.2788E-04	82.5-172.5	0.2732E-04	0	0- 90	0.1706E-03	90-180	0.1706E-03
15-30.00	0.1340E-01	-7.5 TO 82.5	0.2496E-04	82.5-172.5	0.2384E-04	15	0- 90	0.1627E-03	90-180	0.1578E-03
30-45.00	0.2132E-01	-7.5 TO 82.5	0.1952E-04	82.5-172.5	0.1814E-04	30	0- 90	0.1362E-03	90-180	0.1283E-03
45-60.00	0.2778E-01	-7.5 TO 82.5	0.1279E-04	82.5-172.5	0.1156E-04	45	0- 90	0.9796E-04	90-180	0.8969E-04
60-75.00	0.3235E-01	-7.5 TO 82.5	0.5973E-05	82.5-172.5	0.5139E-05	60	0- 90	0.5601E-04	90-180	0.4957E-04
75-84.26	0.2131E-01	-7.5 TO 82.5	0.1022E-05	82.5-172.5	0.6977E-06	75	0- 90	0.1653E-04	90-180	0.1291E-04
0-15.00	0.5333E-02	-7.5 TO 97.5	0.2783E-04	82.5-187.5	0.2729E-04	0	0-105	0.1990E-03	90-195	0.1990E-03
15-30.00	0.1564E-01	-7.5 TO 97.5	0.2487E-04	82.5-187.5	0.2378E-04	15	0-105	0.1893E-03	90-195	0.1839E-03
30-45.00	0.2487E-01	-7.5 TO 97.5	0.1941E-04	82.5-187.5	0.1808E-04	30	0-105	0.1581E-03	90-195	0.1493E-03
45-60.00	0.3241E-01	-7.5 TO 97.5	0.1269E-04	82.5-187.5	0.1150E-04	45	0-105	0.1134E-03	90-195	0.1043E-03
60-75.00	0.3775E-01	-7.5 TO 97.5	0.5904E-05	82.5-187.5	0.5099E-05	60	0-105	0.6469E-04	90-195	0.5755E-04
75-84.26	0.2486E-01	-7.5 TO 97.5	0.9934E-06	82.5-187.5	0.6839E-06	75	0-105	0.1891E-04	90-195	0.1491E-04

r_2/r_1 = 0.30 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5650 $\cosh \mu_2$ = 11.4500 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 131.34

0-15.00	0.7618E-03	-7.5 TO 7.5	0.5552E-04	82.5- 97.5	0.5419E-04	0	0- 15	0.5590E-04	90-105	0.5590E-04
15-30.00	0.2234E-02	-7.5 TO 7.5	0.5053E-04	82.5- 97.5	0.4784E-04	15	0- 15	0.5444E-04	90-105	0.5226E-04
30-45.00	0.3553E-02	-7.5 TO 7.5	0.4018E-04	82.5- 97.5	0.3687E-04	30	0- 15	0.4647E-04	90-105	0.4294E-04
45-60.00	0.4631E-02	-7.5 TO 7.5	0.2679E-04	82.5- 97.5	0.2380E-04	45	0- 15	0.3405E-04	90-105	0.3035E-04
60-75.00	0.5352E-02	-7.5 TO 7.5	0.1286E-04	82.5- 97.5	0.1083E-04	60	0- 15	0.1989E-04	90-105	0.1700E-04
75-84.26	0.3551E-02	-7.5 TO 7.5	0.2551E-05	82.5- 97.5	0.1627E-05	75	0- 15	0.6277E-05	90-105	0.4657E-05
0-15.00	0.1524E-02	-7.5 TO 22.5	0.5549E-04	82.5-112.5	0.5402E-04	0	0- 30	0.1118E-03	90-120	0.1118E-03
15-30.00	0.4467E-02	-7.5 TO 22.5	0.5048E-04	82.5-112.5	0.4750E-04	15	0- 30	0.1087E-03	90-120	0.1040E-03
30-45.00	0.7106E-02	-7.5 TO 22.5	0.4013E-04	82.5-112.5	0.3645E-04	30	0- 30	0.9273E-04	90-120	0.8511E-04
45-60.00	0.9261E-02	-7.5 TO 22.5	0.2673E-04	82.5-112.5	0.2343E-04	45	0- 30	0.6787E-04	90-120	0.5990E-04
60-75.00	0.1078E-01	-7.5 TO 22.5	0.1282E-04	82.5-112.5	0.1059E-04	60	0- 30	0.3960E-04	90-120	0.3339E-04
75-84.26	0.7102E-02	-7.5 TO 22.5	0.2532E-05	82.5-112.5	0.1544E-05	75	0- 30	0.1245E-04	90-120	0.8986E-05
0-15.00	0.2286E-02	-7.5 TO 37.5	0.5544E-04	82.5-127.5	0.5386E-04	0	0- 45	0.1677E-03	90-135	0.1677E-03
15-30.00	0.6701E-02	-7.5 TO 37.5	0.5038E-04	82.5-127.5	0.4717E-04	15	0- 45	0.1628E-03	90-135	0.1554E-03
30-45.00	0.1066E-01	-7.5 TO 37.5	0.3999E-04	82.5-127.5	0.3606E-04	30	0- 45	0.1386E-03	90-135	0.1266E-03
45-60.00	0.1389E-01	-7.5 TO 37.5	0.2661E-04	82.5-127.5	0.2308E-04	45	0- 45	0.1012E-03	90-135	0.8875E-04
60-75.00	0.1618E-01	-7.5 TO 37.5	0.1274E-04	82.5-127.5	0.1036E-04	60	0- 45	0.5896E-04	90-135	0.4924E-04
75-84.26	0.1065E-01	-7.5 TO 37.5	0.2489E-05	82.5-127.5	0.1466E-05	75	0- 45	0.1842E-04	90-135	0.1303E-04
0-15.00	0.3047E-02	-7.5 TO 52.5	0.5536E-04	82.5-142.5	0.5371E-04	0	0- 60	0.2236E-03	90-150	0.2236E-03
15-30.00	0.8934E-02	-7.5 TO 52.5	0.5021E-04	82.5-142.5	0.4687E-04	15	0- 60	0.2165E-03	90-150	0.2064E-03
30-45.00	0.1421E-01	-7.5 TO 52.5	0.3979E-04	82.5-142.5	0.3570E-04	30	0- 60	0.1838E-03	90-150	0.1675E-03
45-60.00	0.1852E-01	-7.5 TO 52.5	0.2643E-04	82.5-142.5	0.2277E-04	45	0- 60	0.1340E-03	90-150	0.1170E-03
60-75.00	0.2157E-01	-7.5 TO 52.5	0.1261E-04	82.5-142.5	0.1015E-04	60	0- 60	0.7783E-04	90-150	0.6466E-04
75-84.26	0.1420E-01	-7.5 TO 52.5	0.2425E-05	82.5-142.5	0.1397E-05	75	0- 60	0.2411E-04	90-150	0.1686E-04
0-15.00	0.3809E-02	-7.5 TO 67.5	0.5526E-04	82.5-157.5	0.5358E-04	0	0- 75	0.2795E-03	90-165	0.2795E-03
15-30.00	0.1117E-01	-7.5 TO 67.5	0.5001E-04	82.5-157.5	0.4661E-04	15	0- 75	0.2697E-03	90-165	0.2571E-03
30-45.00	0.1777E-01	-7.5 TO 67.5	0.3954E-04	82.5-157.5	0.3539E-04	30	0- 75	0.2284E-03	90-165	0.2081E-03
45-60.00	0.2315E-01	-7.5 TO 67.5	0.2620E-04	82.5-157.5	0.2249E-04	45	0- 75	0.1660E-03	90-165	0.1449E-03
60-75.00	0.2696E-01	-7.5 TO 67.5	0.1249E-04	82.5-157.5	0.9974E-05	60	0- 75	0.9611E-04	90-165	0.7979E-04
75-84.26	0.1775E-01	-7.5 TO 67.5	0.2345E-05	82.5-157.5	0.1338E-05	75	0- 75	0.2948E-04	90-165	0.2053E-04
0-15.00	0.4571E-02	-7.5 TO 82.5	0.5514E-04	82.5-172.5	0.5347E-04	0	0- 90	0.3354E-03	90-180	0.3354E-03
15-30.00	0.1340E-01	-7.5 TO 82.5	0.4976E-04	82.5-172.5	0.4640E-04	15	0- 90	0.3225E-03	90-180	0.3077E-03
30-45.00	0.2132E-01	-7.5 TO 82.5	0.3923E-04	82.5-172.5	0.3513E-04	30	0- 90	0.2721E-03	90-180	0.2484E-03
45-60.00	0.2778E-01	-7.5 TO 82.5	0.2592E-04	82.5-172.5	0.2226E-04	45	0- 90	0.1972E-03	90-180	0.1726E-03
60-75.00	0.3235E-01	-7.5 TO 82.5	0.1227E-04	82.5-172.5	0.9826E-05	60	0- 90	0.1138E-03	90-180	0.9476E-04
75-84.26	0.2131E-01	-7.5 TO 82.5	0.2256E-05	82.5-172.5	0.1289E-05	75	0- 90	0.3449E-04	90-180	0.2412E-04
0-15.00	0.5333E-02	-7.5 TO 97.5	0.5500E-04	82.5-187.5	0.5339E-04	0	0-105	0.3913E-03	90-195	0.3913E-03
15-30.00	0.1564E-01	-7.5 TO 97.5	0.4998E-04	82.5-187.5	0.4623E-04	15	0-105	0.3748E-03	90-195	0.3584E-03
30-45.00	0.2487E-01	-7.5 TO 97.5	0.3889E-04	82.5-187.5	0.3492E-04	30	0-105	0.3150E-03	90-195	0.2887E-03
45-60.00	0.3241E-01	-7.5 TO 97.5	0.2562E-04	82.5-187.5	0.2209E-04	45	0-105	0.2275E-03	90-195	0.2003E-03
60-75.00	0.3775E-01	-7.5 TO 97.5	0.1206E-04	82.5-187.5	0.9712E-05	60	0-105	0.1308E-03	90-195	0.1097E-03
75-84.26	0.2486E-01	-7.5 TO 97.5	0.2166E-05	82.5-187.5	0.1252E-05	75	0-105	0.3915E-04	90-195	0.2771E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5650$ $\cosh \mu_2 = 11.4500$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 115.56$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7618E-03	-7.5 TO 7.5	0.8220E-04	82.5- 97.5	0.7953E-04	0	0- 15	0.8202E-04	90-105	0.8202E-04
15-30.00	0.2234E-02	-7.5 TO 7.5	0.7564E-04	82.5- 97.5	0.7023E-04	15	0- 15	0.8096E-04	90-105	0.7657E-04
30-45.00	0.3553E-02	-7.5 TO 7.5	0.6086E-04	82.5- 97.5	0.5417E-04	30	0- 15	0.6997E-04	90-105	0.6285E-04
45-60.00	0.4631E-02	-7.5 TO 7.5	0.4100E-04	82.5- 97.5	0.3501E-04	45	0- 15	0.5184E-04	90-105	0.4440E-04
60-75.00	0.5352E-02	-7.5 TO 7.5	0.1997E-04	82.5- 97.5	0.1597E-04	60	0- 15	0.3063E-04	90-105	0.2487E-04
75-84.26	0.3551E-02	-7.5 TO 7.5	0.4227E-05	82.5- 97.5	0.2414E-05	75	0- 15	0.9950E-05	90-105	0.6815E-05
0-15.00	0.1524E-02	-7.5 TO 22.5	0.8215E-04	82.5-112.5	0.7919E-04	0	0- 30	0.1640E-03	90-120	0.1640E-03
15-30.00	0.4467E-02	-7.5 TO 22.5	0.7557E-04	82.5-112.5	0.6955E-04	15	0- 30	0.1616E-03	90-120	0.1522E-03
30-45.00	0.7106E-02	-7.5 TO 22.5	0.6074E-04	82.5-112.5	0.5334E-04	30	0- 30	0.1395E-03	90-120	0.1241E-03
45-60.00	0.9261E-02	-7.5 TO 22.5	0.4090E-04	82.5-112.5	0.3428E-04	45	0- 30	0.1032E-03	90-120	0.8721E-04
60-75.00	0.1070E-01	-7.5 TO 22.5	0.1990E-04	82.5-112.5	0.1550E-04	60	0- 30	0.6090E-04	90-120	0.4854E-04
75-84.26	0.7102E-02	-7.5 TO 22.5	0.4190E-05	82.5-112.5	0.2260E-05	75	0- 30	0.1969E-04	90-120	0.1302E-04
0-15.00	0.2286E-02	-7.5 TO 37.5	0.8205E-04	82.5-127.5	0.7886E-04	0	0- 45	0.2461E-03	90-135	0.2461E-03
15-30.00	0.6701E-02	-7.5 TO 37.5	0.7535E-04	82.5-127.5	0.6890E-04	15	0- 45	0.2418E-03	90-135	0.2269E-03
30-45.00	0.1066E-01	-7.5 TO 37.5	0.6047E-04	82.5-127.5	0.5256E-04	30	0- 45	0.2082E-03	90-135	0.1841E-03
45-60.00	0.1389E-01	-7.5 TO 37.5	0.4065E-04	82.5-127.5	0.3360E-04	45	0- 45	0.1537E-03	90-135	0.1286E-03
60-75.00	0.1618E-01	-7.5 TO 37.5	0.1973E-04	82.5-127.5	0.1506E-04	60	0- 45	0.9046E-04	90-135	0.7118E-04
75-84.26	0.1065E-01	-7.5 TO 37.5	0.4106E-05	82.5-127.5	0.2120E-05	75	0- 45	0.2904E-04	90-135	0.1870E-04
0-15.00	0.3047E-02	-7.5 TO 52.5	0.8189E-04	82.5-142.5	0.7856E-04	0	0- 60	0.3281E-03	90-150	0.3281E-03
15-30.00	0.8934E-02	-7.5 TO 52.5	0.7503E-04	82.5-142.5	0.6830E-04	15	0- 60	0.3213E-03	90-150	0.3009E-03
30-45.00	0.1421E-01	-7.5 TO 52.5	0.6007E-04	82.5-142.5	0.5184E-04	30	0- 60	0.2757E-03	90-150	0.2429E-03
45-60.00	0.1852E-01	-7.5 TO 52.5	0.4029E-04	82.5-142.5	0.3297E-04	45	0- 60	0.2029E-03	90-150	0.1689E-03
60-75.00	0.2157E-01	-7.5 TO 52.5	0.1948E-04	82.5-142.5	0.1466E-04	60	0- 60	0.1190E-03	90-150	0.9299E-04
75-84.26	0.1420E-01	-7.5 TO 52.5	0.3982E-05	82.5-142.5	0.1995E-05	75	0- 60	0.3784E-04	90-150	0.2399E-04
0-15.00	0.3809E-02	-7.5 TO 67.5	0.8168E-04	82.5-157.5	0.7830E-04	0	0- 75	0.4101E-03	90-165	0.4101E-03
15-30.00	0.1117E-01	-7.5 TO 67.5	0.7460E-04	82.5-157.5	0.6778E-04	15	0- 75	0.3998E-03	90-165	0.3745E-03
30-45.00	0.1777E-01	-7.5 TO 67.5	0.5954E-04	82.5-157.5	0.5122E-04	30	0- 75	0.3417E-03	90-165	0.3010E-03
45-60.00	0.2315E-01	-7.5 TO 67.5	0.3982E-04	82.5-157.5	0.3243E-04	45	0- 75	0.2506E-03	90-165	0.2085E-03
60-75.00	0.2695E-01	-7.5 TO 67.5	0.1916E-04	82.5-157.5	0.1432E-04	60	0- 75	0.1464E-03	90-165	0.1142E-03
75-84.26	0.1775E-01	-7.5 TO 67.5	0.3826E-05	82.5-157.5	0.1889E-05	75	0- 75	0.4600E-04	90-165	0.2899E-04
0-15.00	0.4571E-02	-7.5 TO 82.5	0.8144E-04	82.5-172.5	0.7808E-04	0	0- 90	0.4921E-03	90-180	0.4921E-03
15-30.00	0.1340E-01	-7.5 TO 82.5	0.7411E-04	82.5-172.5	0.6735E-04	15	0- 90	0.4774E-03	90-180	0.4477E-03
30-45.00	0.2132E-01	-7.5 TO 82.5	0.5893E-04	82.5-172.5	0.5070E-04	30	0- 90	0.4062E-03	90-180	0.3586E-03
45-60.00	0.2778E-01	-7.5 TO 82.5	0.3927E-04	82.5-172.5	0.3199E-04	45	0- 90	0.2967E-03	90-180	0.2476E-03
60-75.00	0.3235E-01	-7.5 TO 82.5	0.1879E-04	82.5-172.5	0.1404E-04	60	0- 90	0.1726E-03	90-180	0.1352E-03
75-84.26	0.2131E-01	-7.5 TO 82.5	0.3650E-05	82.5-172.5	0.1802E-05	75	0- 90	0.5348E-04	90-180	0.3386E-04
0-15.00	0.5333E-02	-7.5 TO 97.5	0.8117E-04	82.5-187.5	0.7792E-04	0	0-105	0.5741E-03	90-195	0.5741E-03
15-30.00	0.1564E-01	-7.5 TO 97.5	0.7355E-04	82.5-187.5	0.6702E-04	15	0-105	0.5540E-03	90-195	0.5210E-03
30-45.00	0.2487E-01	-7.5 TO 97.5	0.5825E-04	82.5-187.5	0.5030E-04	30	0-105	0.4690E-03	90-195	0.4163E-03
45-60.00	0.3241E-01	-7.5 TO 97.5	0.3866E-04	82.5-187.5	0.3164E-04	45	0-105	0.3411E-03	90-195	0.2867E-03
60-75.00	0.3715E-01	-7.5 TO 97.5	0.1839E-04	82.5-187.5	0.1382E-04	60	0-105	0.1975E-03	90-195	0.1561E-03
75-84.26	0.2486E-01	-7.5 TO 97.5	0.3474E-05	82.5-187.5	0.1736E-05	75	0-105	0.6030E-04	90-195	0.3873E-04

$r_2/r_1 = 0.30$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5650$ $\cosh \mu_2 = 11.4500$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 100.10$

0-15.00	0.7618E-03	-7.5 TO 7.5	0.1008E-03	82.5- 97.5	0.9650E-04	0	0- 15	0.9952E-04	90-105	0.9952E-04
15-30.00	0.2234E-02	-7.5 TO 7.5	0.9393E-04	82.5- 97.5	0.8526E-04	15	0- 15	0.9974E-04	90-105	0.9272E-04
30-45.00	0.3553E-02	-7.5 TO 7.5	0.7647E-04	82.5- 97.5	0.6581E-04	30	0- 15	0.8739E-04	90-105	0.7601E-04
45-60.00	0.4631E-02	-7.5 TO 7.5	0.5207E-04	82.5- 97.5	0.4258E-04	45	0- 15	0.6549E-04	90-105	0.5367E-04
60-75.00	0.5352E-02	-7.5 TO 7.5	0.2566E-04	82.5- 97.5	0.1946E-04	60	0- 15	0.3911E-04	90-105	0.3006E-04
75-84.26	0.3551E-02	-7.5 TO 7.5	0.5602E-05	82.5- 97.5	0.2958E-05	75	0- 15	0.1296E-04	90-105	0.8248E-05
0-15.00	0.1524E-02	-7.5 TO 22.5	0.1007E-03	82.5-112.5	0.9596E-04	0	0- 30	0.1990E-03	90-120	0.1990E-03
15-30.00	0.4467E-02	-7.5 TO 22.5	0.9378E-04	82.5-112.5	0.8417E-04	15	0- 30	0.1991E-03	90-120	0.1839E-03
30-45.00	0.7106E-02	-7.5 TO 22.5	0.7629E-04	82.5-112.5	0.6450E-04	30	0- 30	0.1741E-03	90-120	0.1496E-03
45-60.00	0.9261E-02	-7.5 TO 22.5	0.5190E-04	82.5-112.5	0.4144E-04	45	0- 30	0.1302E-03	90-120	0.1048E-03
60-75.00	0.1078E-01	-7.5 TO 22.5	0.2554E-04	82.5-112.5	0.1874E-04	60	0- 30	0.7763E-04	90-120	0.5828E-04
75-84.26	0.7102E-02	-7.5 TO 22.5	0.5606E-05	82.5-112.5	0.2741E-05	75	0- 30	0.2560E-04	90-120	0.1561E-04
0-15.00	0.2286E-02	-7.5 TO 37.5	0.1005E-03	82.5-127.5	0.9544E-04	0	0- 45	0.2985E-03	90-135	0.2985E-03
15-30.00	0.6701E-02	-7.5 TO 37.5	0.9344E-04	82.5-127.5	0.8313E-04	15	0- 45	0.2975E-03	90-135	0.2737E-03
30-45.00	0.1066E-01	-7.5 TO 37.5	0.7586E-04	82.5-127.5	0.6326E-04	30	0- 45	0.2594E-03	90-135	0.2210E-03
45-60.00	0.1389E-01	-7.5 TO 37.5	0.5151E-04	82.5-127.5	0.4037E-04	45	0- 45	0.1935E-03	90-135	0.1538E-03
60-75.00	0.1618E-01	-7.5 TO 37.5	0.2528E-04	82.5-127.5	0.1808E-04	60	0- 45	0.1150E-03	90-135	0.8491E-04
75-84.26	0.1065E-01	-7.5 TO 37.5	0.5479E-05	82.5-127.5	0.2544E-05	75	0- 45	0.3764E-04	90-135	0.2224E-04
0-15.00	0.3047E-02	-7.5 TO 52.5	0.1003E-03	82.5-142.5	0.9496E-04	0	0- 60	0.3981E-03	90-150	0.3981E-03
15-30.00	0.8934E-02	-7.5 TO 52.5	0.9292E-04	82.5-142.5	0.8219E-04	15	0- 60	0.3949E-03	90-150	0.3624E-03
30-45.00	0.1421E-01	-7.5 TO 52.5	0.7521E-04	82.5-142.5	0.6213E-04	30	0- 60	0.3428E-03	90-150	0.2906E-03
45-60.00	0.1852E-01	-7.5 TO 52.5	0.5093E-04	82.5-142.5	0.3941E-04	45	0- 60	0.2549E-03	90-150	0.2011E-03
60-75.00	0.2157E-01	-7.5 TO 52.5	0.2489E-04	82.5-142.5	0.1749E-04	60	0- 60	0.1509E-03	90-150	0.1103E-03
75-84.26	0.1420E-01	-7.5 TO 52.5	0.5293E-05	82.5-142.5	0.2372E-05	75	0- 60	0.4884E-04	90-150	0.2831E-04
0-15.00	0.3809E-02	-7.5 TO 67.5	0.9995E-04	82.5-157.5	0.9455E-04	0	0- 75	0.4976E-03	90-165	0.4976E-03
15-30.00	0.1117E-01	-7.5 TO 67.5	0.9224E-04	82.5-157.5	0.8137E-04	15	0- 75	0.4908E-03	90-165	0.4503E-03
30-45.00	0.1777E-01	-7.5 TO 67.5	0.7438E-04	82.5-157.5	0.6115E-04	30	0- 75	0.4239E-03	90-165	0.3590E-03
45-60.00	0.2315E-01	-7.5 TO 67.5	0.5018E-04	82.5-157.5	0.3857E-04	45	0- 75	0.3138E-03	90-165	0.2471E-03
60-75.00	0.2695E-01	-7.5 TO 67.5	0.2440E-04	82.5-157.5	0.1698E-04	60	0- 75	0.1849E-03	90-165	0.1348E-03
75-84.26	0.1775E-01	-7.5 TO 67.5	0.5059E-05	82.5-157.5	0.2227E-05	75	0- 75	0.5908E-04	90-165	0.3400E-04
0-15.00	0.4571E-02	-7.5 TO 82.5	0.9955E-04	82.5-172.5	0.9420E-04	0	0- 90	0.5971E-03	90-180	0.5971E-03
15-30.00	0.1340E-01	-7.5 TO 82.5	0.9145E-04	82.5-172.5	0.8068E-04	15	0- 90	0.5851E-03	90-180	0.5378E-03
30-45.00	0.2132E-01	-7.5 TO 82.5	0.7340E-04	82.5-172.5	0.6034E-04	30	0- 90	0.5025E-03	90-180	0.4268E-03
45-60.00	0.2778E-01	-7.5 TO 82.5	0.4931E-04	82.5-172.5	0.3788E-04	45	0- 90	0.3701E-03	90-180	0.2925E-03
60-75.00	0.3235E-01	-7.5 TO 82.5	0.2383E-04	82.5-172.5	0.1657E-04	60	0- 90	0.2170E-03	90-180	0.1588E-03
75-84.26	0.2131E-01	-7.5 TO 82.5	0.4799E-05	82.5-172.5	0.2109E-05	75	0- 90	0.6831E-04	90-180	0.3949E-04
0-15.00	0.5333E-02	-7.5 TO 97.5	0.9912E-04	82.5-187.5	0.9393E-04	0	0-105	0.6966E-03	90-195	0.6966E-03
15-30.00	0.1564E-01	-7.5 TO 97.5	0.9056E-04	82.5-187.5	0.8015E-04	15	0-105	0.6778E-03	90-195	0.6253E-03
30-45.00	0.2487E-01	-7.5 TO 97.5	0.7231E-04	82.5-187.5	0.5971E-04	30	0-105	0.5785E-03	90-195	0.4946E-03
45-60.00	0.3241E-01	-7.5 TO 97.5	0.4835E-04	82.5-187.5	0.3734E-04	45	0-105	0.4238E-03	90-195	0.3379E-03
60-75.00	0.3715E-01	-7.5 TO 97.5	0.2320E-04	82.5-187.5	0.1625E-04	60	0-105	0.2470E-03	90-195	0.1829E-03
75-84.26	0.2486E-01	-7.5 TO 97.5	0.4536E-05	82.5-187.5	0.2020E-05	75	0-105	0.7656E-04	90-195	0.4499E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

r_2/r_1 = 0.30 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5650 $\cosh \mu_2$ = 11.4500 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 84.99

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7618E-03	-7.5 TO 7.5	0.1067E-03	82.5- 97.5	0.1010E-03	0	0- 15	0.1042E-03	90-105	0.1042E-03
15-30.00	0.2234E-02	-7.5 TO 7.5	0.1010E-03	82.5- 97.5	0.8928E-04	15	0- 15	0.1062E-03	90-105	0.9687E-04
30-45.00	0.3553E-02	-7.5 TO 7.5	0.8351E-04	82.5- 97.5	0.6896E-04	30	0- 15	0.9464E-04	90-105	0.7930E-04
45-60.00	0.4631E-02	-7.5 TO 7.5	0.5764E-04	82.5- 97.5	0.4466E-04	45	0- 15	0.7178E-04	90-105	0.5594E-04
60-75.00	0.5352E-02	-7.5 TO 7.5	0.2852E-04	82.5- 97.5	0.2043E-04	60	0- 15	0.4328E-04	90-105	0.3133E-04
75-84.26	0.3551E-02	-7.5 TO 7.5	0.6421E-05	82.5- 97.5	0.3114E-05	75	0- 15	0.1452E-04	90-105	0.8602E-05
0-15.00	0.1524E-02	-7.5 TO 22.5	0.1066E-03	82.5-112.5	0.1003E-03	0	0- 30	0.2083E-03	90-120	0.2083E-03
15-30.00	0.4467E-02	-7.5 TO 22.5	0.1007E-03	82.5-112.5	0.8787E-04	15	0- 30	0.2118E-03	90-120	0.1918E-03
30-45.00	0.7106E-02	-7.5 TO 22.5	0.8307E-04	82.5-112.5	0.6728E-04	30	0- 30	0.1881E-03	90-120	0.1555E-03
45-60.00	0.9261E-02	-7.5 TO 22.5	0.5713E-04	82.5-112.5	0.4322E-04	45	0- 30	0.1425E-03	90-120	0.1088E-03
60-75.00	0.1070E-01	-7.5 TO 22.5	0.2837E-04	82.5-112.5	0.1955E-04	60	0- 30	0.8577E-04	90-120	0.6040E-04
75-84.26	0.7102E-02	-7.5 TO 22.5	0.6351E-05	82.5-112.5	0.2864E-05	75	0- 30	0.2862E-04	90-120	0.1618E-04
0-15.00	0.2286E-02	-7.5 TO 37.5	0.1063E-03	82.5-127.5	0.9965E-04	0	0- 45	0.3125E-03	90-135	0.3125E-03
15-30.00	0.6701E-02	-7.5 TO 37.5	0.1003E-03	82.5-127.5	0.8656E-04	15	0- 45	0.3163E-03	90-135	0.2849E-03
30-45.00	0.1066E-01	-7.5 TO 37.5	0.8248E-04	82.5-127.5	0.6572E-04	30	0- 45	0.2799E-03	90-135	0.2290E-03
45-60.00	0.1389E-01	-7.5 TO 37.5	0.5660E-04	82.5-127.5	0.4190E-04	45	0- 45	0.2113E-03	90-135	0.1589E-03
60-75.00	0.1611E-01	-7.5 TO 37.5	0.2802E-04	82.5-127.5	0.1876E-04	60	0- 45	0.1268E-03	90-135	0.8759E-04
75-84.26	0.1065E-01	-7.5 TO 37.5	0.6193E-05	82.5-127.5	0.2643E-05	75	0- 45	0.4193E-04	90-135	0.2294E-04
0-15.00	0.3047E-02	-7.5 TO 52.5	0.1060E-03	82.5-142.5	0.9904E-04	0	0- 60	0.4167E-03	90-150	0.4167E-03
15-30.00	0.8934E-02	-7.5 TO 52.5	0.9954E-04	82.5-142.5	0.8537E-04	15	0- 60	0.4192E-03	90-150	0.3766E-03
30-45.00	0.1421E-01	-7.5 TO 52.5	0.8160E-04	82.5-142.5	0.6433E-04	30	0- 60	0.3690E-03	90-150	0.3004E-03
45-60.00	0.1852E-01	-7.5 TO 52.5	0.5581E-04	82.5-142.5	0.4073E-04	45	0- 60	0.2774E-03	90-150	0.2071E-03
60-75.00	0.2157E-01	-7.5 TO 52.5	0.2751E-04	82.5-142.5	0.1806E-04	60	0- 60	0.1657E-03	90-150	0.1133E-03
75-84.26	0.1420E-01	-7.5 TO 52.5	0.5960E-05	82.5-142.5	0.2453E-05	75	0- 60	0.5419E-04	90-150	0.2908E-04
0-15.00	0.3809E-02	-7.5 TO 67.5	0.1056E-03	82.5-157.5	0.9851E-04	0	0- 75	0.5208E-03	90-165	0.5208E-03
15-30.00	0.1117E-01	-7.5 TO 67.5	0.9862E-04	82.5-157.5	0.8434E-04	15	0- 75	0.5202E-03	90-165	0.4674E-03
30-45.00	0.1777E-01	-7.5 TO 67.5	0.8046E-04	82.5-157.5	0.6313E-04	30	0- 75	0.4550E-03	90-165	0.3703E-03
45-60.00	0.2315E-01	-7.5 TO 67.5	0.5480E-04	82.5-157.5	0.3972E-04	45	0- 75	0.3403E-03	90-165	0.2538E-03
60-75.00	0.2696E-01	-7.5 TO 67.5	0.2686E-04	82.5-157.5	0.1748E-04	60	0- 75	0.2021E-03	90-165	0.1381E-03
75-84.26	0.1775E-01	-7.5 TO 67.5	0.5672E-05	82.5-157.5	0.2294E-05	75	0- 75	0.6523E-04	90-165	0.3481E-04
0-15.00	0.4571E-02	-7.5 TO 82.5	0.1050E-03	82.5-172.5	0.9807E-04	0	0- 90	0.6250E-03	90-180	0.6250E-03
15-30.00	0.1340E-01	-7.5 TO 82.5	0.9754E-04	82.5-172.5	0.8349E-04	15	0- 90	0.6192E-03	90-180	0.5576E-03
30-45.00	0.2132E-01	-7.5 TO 82.5	0.7913E-04	82.5-172.5	0.6215E-04	30	0- 90	0.5377E-03	90-180	0.4394E-03
45-60.00	0.2778E-01	-7.5 TO 82.5	0.5362E-04	82.5-172.5	0.3890E-04	45	0- 90	0.3996E-03	90-180	0.2998E-03
60-75.00	0.3235E-01	-7.5 TO 82.5	0.2610E-04	82.5-172.5	0.1700E-04	60	0- 90	0.2360E-03	90-180	0.1624E-03
75-84.26	0.2131E-01	-7.5 TO 82.5	0.5352E-05	82.5-172.5	0.2167E-05	75	0- 90	0.7501E-04	90-180	0.4035E-04
0-15.00	0.5333E-02	-7.5 TO 97.5	0.1045E-03	82.5-187.5	0.9773E-04	0	0-105	0.7292E-03	90-195	0.7292E-03
15-30.00	0.1564E-01	-7.5 TO 97.5	0.9636E-04	82.5-187.5	0.8284E-04	15	0-105	0.7161E-03	90-195	0.6479E-03
30-45.00	0.2487E-01	-7.5 TO 97.5	0.7768E-04	82.5-187.5	0.6139E-04	30	0-105	0.6170E-03	90-195	0.5086E-03
45-60.00	0.3241E-01	-7.5 TO 97.5	0.5234E-04	82.5-187.5	0.3828E-04	45	0-105	0.4555E-03	90-195	0.3457E-03
60-75.00	0.3775E-01	-7.5 TO 97.5	0.2529E-04	82.5-187.5	0.1663E-04	60	0-105	0.2673E-03	90-195	0.1866E-03
75-84.26	0.2486E-01	-7.5 TO 97.5	0.5033E-05	82.5-187.5	0.2071E-05	75	0-105	0.8361E-04	90-195	0.4588E-04

r_2/r_1 = 0.30 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5650 $\cosh \mu_2$ = 11.4500 $\alpha_{2,max}$ = 95.74 $\theta_{2,min}$ = 79.30

0-15.00	0.7618E-03	-7.5 TO 7.5	0.1067E-03	82.5- 97.5	0.1010E-03	0	0- 15	0.1042E-03	90-105	0.1042E-03
15-30.00	0.2234E-02	-7.5 TO 7.5	0.1010E-03	82.5- 97.5	0.8928E-04	15	0- 15	0.1062E-03	90-105	0.9687E-04
30-45.00	0.3553E-02	-7.5 TO 7.5	0.8351E-04	82.5- 97.5	0.6896E-04	30	0- 15	0.9464E-04	90-105	0.7930E-04
45-60.00	0.4631E-02	-7.5 TO 7.5	0.5764E-04	82.5- 97.5	0.4466E-04	45	0- 15	0.7203E-04	90-105	0.5594E-04
60-75.00	0.5352E-02	-7.5 TO 7.5	0.2873E-04	82.5- 97.5	0.2043E-04	60	0- 15	0.4355E-04	90-105	0.3133E-04
75-84.26	0.3551E-02	-7.5 TO 7.5	0.6484E-05	82.5- 97.5	0.3114E-05	75	0- 15	0.1464E-04	90-105	0.8602E-05
0-15.00	0.1524E-02	-7.5 TO 22.5	0.1066E-03	82.5-112.5	0.1003E-03	0	0- 30	0.2083E-03	90-120	0.2083E-03
15-30.00	0.4467E-02	-7.5 TO 22.5	0.1008E-03	82.5-112.5	0.8787E-04	15	0- 30	0.2118E-03	90-120	0.1918E-03
30-45.00	0.7106E-02	-7.5 TO 22.5	0.8324E-04	82.5-112.5	0.6728E-04	30	0- 30	0.1883E-03	90-120	0.1555E-03
45-60.00	0.9261E-02	-7.5 TO 22.5	0.5739E-04	82.5-112.5	0.4322E-04	45	0- 30	0.1430E-03	90-120	0.1088E-03
60-75.00	0.1078E-01	-7.5 TO 22.5	0.2857E-04	82.5-112.5	0.1955E-04	60	0- 30	0.8625E-04	90-120	0.6040E-04
75-84.26	0.7102E-02	-7.5 TO 22.5	0.6410E-05	82.5-112.5	0.2864E-05	75	0- 30	0.2884E-04	90-120	0.1618E-04
0-15.00	0.2286E-02	-7.5 TO 37.5	0.1063E-03	82.5-127.5	0.9965E-04	0	0- 45	0.3125E-03	90-135	0.3125E-03
15-30.00	0.6701E-02	-7.5 TO 37.5	0.1003E-03	82.5-127.5	0.8656E-04	15	0- 45	0.3163E-03	90-135	0.2849E-03
30-45.00	0.1066E-01	-7.5 TO 37.5	0.8263E-04	82.5-127.5	0.6572E-04	30	0- 45	0.2800E-03	90-135	0.2290E-03
45-60.00	0.1389E-01	-7.5 TO 37.5	0.5684E-04	82.5-127.5	0.4190E-04	45	0- 45	0.2119E-03	90-135	0.1589E-03
60-75.00	0.1611E-01	-7.5 TO 37.5	0.2820E-04	82.5-127.5	0.1876E-04	60	0- 45	0.1274E-03	90-135	0.8759E-04
75-84.26	0.1065E-01	-7.5 TO 37.5	0.6245E-05	82.5-127.5	0.2643E-05	75	0- 45	0.4221E-04	90-135	0.2294E-04
0-15.00	0.3047E-02	-7.5 TO 52.5	0.1060E-03	82.5-142.5	0.9904E-04	0	0- 60	0.4167E-03	90-150	0.4167E-03
15-30.00	0.8934E-02	-7.5 TO 52.5	0.9955E-04	82.5-142.5	0.8537E-04	15	0- 60	0.4192E-03	90-150	0.3766E-03
30-45.00	0.1421E-01	-7.5 TO 52.5	0.8171E-04	82.5-142.5	0.6433E-04	30	0- 60	0.3692E-03	90-150	0.3004E-03
45-60.00	0.1852E-01	-7.5 TO 52.5	0.5601E-04	82.5-142.5	0.4073E-04	45	0- 60	0.2780E-03	90-150	0.2071E-03
60-75.00	0.2157E-01	-7.5 TO 52.5	0.2766E-04	82.5-142.5	0.1806E-04	60	0- 60	0.1663E-03	90-150	0.1133E-03
75-84.26	0.1420E-01	-7.5 TO 52.5	0.6004E-05	82.5-142.5	0.2453E-05	75	0- 60	0.5449E-04	90-150	0.2908E-04
0-15.00	0.3809E-02	-7.5 TO 67.5	0.1056E-03	82.5-157.5	0.9851E-04	0	0- 75	0.5208E-03	90-165	0.5208E-03
15-30.00	0.1117E-01	-7.5 TO 67.5	0.9863E-04	82.5-157.5	0.8434E-04	15	0- 75	0.5202E-03	90-165	0.4674E-03
30-45.00	0.1777E-01	-7.5 TO 67.5	0.8055E-04	82.5-157.5	0.6313E-04	30	0- 75	0.4552E-03	90-165	0.3703E-03
45-60.00	0.2315E-01	-7.5 TO 67.5	0.5496E-04	82.5-157.5	0.3972E-04	45	0- 75	0.3408E-03	90-165	0.2538E-03
60-75.00	0.2696E-01	-7.5 TO 67.5	0.2698E-04	82.5-157.5	0.1748E-04	60	0- 75	0.2028E-03	90-165	0.1381E-03
75-84.26	0.1775E-01	-7.5 TO 67.5	0.5708E-05	82.5-157.5	0.2294E-05	75	0- 75	0.6553E-04	90-165	0.3481E-04
0-15.00	0.4571E-02	-7.5 TO 82.5	0.1050E-03	82.5-172.5	0.9807E-04	0	0- 90	0.6250E-03	90-180	0.6250E-03
15-30.00	0.1340E-01	-7.5 TO 82.5	0.9756E-04	82.5-172.5	0.8349E-04	15	0- 90	0.6192E-03	90-180	0.5576E-03
30-45.00	0.2132E-01	-7.5 TO 82.5	0.7921E-04	82.5-172.5	0.6215E-04	30	0- 90	0.5378E-03	90-180	0.4394E-03
45-60.00	0.2778E-01	-7.5 TO 82.5	0.5375E-04	82.5-172.5	0.3890E-04	45	0- 90	0.4002E-03	90-180	0.2998E-03
60-75.00	0.3235E-01	-7.5 TO 82.5	0.2620E-04	82.5-172.5	0.1700E-04	60	0- 90	0.2366E-03	90-180	0.1624E-03
75-84.26	0.2131E-01	-7.5 TO 82.5	0.5382E-05	82.5-172.5	0.2167E-05	75	0- 90	0.7531E-04	90-180	0.4035E-04
0-15.00	0.5333E-02	-7.5 TO 97.5	0.1045E-03	82.5-187.5	0.9773E-04	0	0-105	0.7292E-03	90-195	0.7292E-03
15-30.00	0.1564E-01	-7.5 TO 97.5	0.9637E-04	82.5-187.5	0.8284E-04	15	0-105	0.7161E-03	90-195	0.6479E-03
30-45.00	0.2487E-01	-7.5 TO 97.5	0.7774E-04	82.5-187.5	0.6139E-04	30	0-105	0.6171E-03	90-195	0.5086E-03
45-60.00	0.3241E-01	-7.5 TO 97.5	0.5245E-04	82.5-187.5	0.3828E-04	45	0-105	0.4561E-03	90-195	0.3457E-03
60-75.00	0.3775E-01	-7.5 TO 97.5	0.2538E-04	82.5-187.5	0.1663E-04	60	0-105	0.2680E-03	90-195	0.1866E-03
75-84.26	0.2486E-01	-7.5 TO 97.5	0.5059E-05	82.5-187.5	0.2071E-05	75	0-105	0.8392E-04	90-195	0.4588E-04

TABLE I. - Continued. *CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH*

(d) Continued. Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0455$ $\cosh \mu_2 = 16.5150$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.07$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3647E-03	-7.5 TO 7.5	0.3242E-05	82.5- 97.5	0.3226E-05	0	0- 15	0.3311E-05	90-105	0.3311E-05
15-30.00	0.1069E-02	-7.5 TO 7.5	0.2938E-05	82.5- 97.5	0.2905E-05	15	0- 15	0.3166E-05	90-105	0.3139E-05
30-45.00	0.1761E-02	-7.5 TO 7.5	0.2370E-05	82.5- 97.5	0.2327E-05	30	0- 15	0.2712E-05	90-105	0.2668E-05
45-60.00	0.2217E-02	-7.5 TO 7.5	0.1638E-05	82.5- 97.5	0.1597E-05	45	0- 15	0.2038E-05	90-105	0.1989E-05
60-75.00	0.2582E-02	-7.5 TO 7.5	0.8495E-06	82.5- 97.5	0.8189E-06	60	0- 15	0.1254E-05	90-105	0.1213E-05
75-85.99	0.2021E-02	-7.5 TO 7.5	0.1957E-06	82.5- 97.5	0.1787E-06	75	0- 15	0.4643E-06	90-105	0.4377E-06
0-15.00	0.7255E-03	-7.5 TO 22.5	0.3242E-05	82.5-112.5	0.3224E-05	0	0- 30	0.6622E-05	90-120	0.6622E-05
15-30.00	0.2139E-02	-7.5 TO 22.5	0.2937E-05	82.5-112.5	0.2901E-05	15	0- 30	0.6330E-05	90-120	0.6273E-05
30-45.00	0.3462E-02	-7.5 TO 22.5	0.2369E-05	82.5-112.5	0.2322E-05	30	0- 30	0.5422E-05	90-120	0.5326E-05
45-60.00	0.4434E-02	-7.5 TO 22.5	0.1637E-05	82.5-112.5	0.1591E-05	45	0- 30	0.4073E-05	90-120	0.3966E-05
60-75.00	0.5163E-02	-7.5 TO 22.5	0.8489E-06	82.5-112.5	0.8150E-06	60	0- 30	0.2506E-05	90-120	0.2416E-05
75-85.99	0.4042E-02	-7.5 TO 22.5	0.1954E-06	82.5-112.5	0.1765E-06	75	0- 30	0.9271E-06	90-120	0.8696E-06
0-15.00	0.1094E-02	-7.5 TO 37.5	0.3241E-05	82.5-127.5	0.3222E-05	0	0- 45	0.9932E-05	90-135	0.9932E-05
15-30.00	0.3208E-02	-7.5 TO 37.5	0.2936E-05	82.5-127.5	0.2896E-05	15	0- 45	0.9491E-05	90-135	0.9401E-05
30-45.00	0.5103E-02	-7.5 TO 37.5	0.2367E-05	82.5-127.5	0.2316E-05	30	0- 45	0.8126E-05	90-135	0.7975E-05
45-60.00	0.6651E-02	-7.5 TO 37.5	0.1635E-05	82.5-127.5	0.1586E-05	45	0- 45	0.6102E-05	90-135	0.5934E-05
60-75.00	0.7745E-02	-7.5 TO 37.5	0.8477E-06	82.5-127.5	0.8113E-06	60	0- 45	0.3753E-05	90-135	0.3612E-05
75-85.99	0.6064E-02	-7.5 TO 37.5	0.1948E-06	82.5-127.5	0.1745E-06	75	0- 45	0.1387E-05	90-135	0.1296E-05
0-15.00	0.1459E-02	-7.5 TO 52.5	0.3240E-05	82.5-142.5	0.3220E-05	0	0- 60	0.1324E-04	90-150	0.1324E-04
15-30.00	0.4278E-02	-7.5 TO 52.5	0.2934E-05	82.5-142.5	0.2893E-05	15	0- 60	0.1265E-04	90-150	0.1252E-04
30-45.00	0.6805E-02	-7.5 TO 52.5	0.2365E-05	82.5-142.5	0.2312E-05	30	0- 60	0.1082E-04	90-150	0.1062E-04
45-60.00	0.8868E-02	-7.5 TO 52.5	0.1633E-05	82.5-142.5	0.1582E-05	45	0- 60	0.8123E-05	90-150	0.7894E-05
60-75.00	0.1033E-01	-7.5 TO 52.5	0.8459E-06	82.5-142.5	0.8079E-06	60	0- 60	0.4994E-05	90-150	0.4800E-05
75-85.99	0.8085E-02	-7.5 TO 52.5	0.1937E-06	82.5-142.5	0.1726E-06	75	0- 60	0.1842E-05	90-150	0.1719E-05
0-15.00	0.1824E-02	-7.5 TO 67.5	0.3239E-05	82.5-157.5	0.3219E-05	0	0- 75	0.1655E-04	90-165	0.1655E-04
15-30.00	0.5347E-02	-7.5 TO 67.5	0.2932E-05	82.5-157.5	0.2889E-05	15	0- 75	0.1580E-04	90-165	0.1565E-04
30-45.00	0.8506E-02	-7.5 TO 67.5	0.2362E-05	82.5-157.5	0.2307E-05	30	0- 75	0.1351E-04	90-165	0.1325E-04
45-60.00	0.1108E-01	-7.5 TO 67.5	0.1630E-05	82.5-157.5	0.1578E-05	45	0- 75	0.1013E-04	90-165	0.9849E-05
60-75.00	0.1291E-01	-7.5 TO 67.5	0.8435E-06	82.5-157.5	0.8049E-06	60	0- 75	0.6225E-05	90-165	0.5984E-05
75-85.99	0.1011E-01	-7.5 TO 67.5	0.1924E-06	82.5-157.5	0.1710E-06	75	0- 75	0.2292E-05	90-165	0.2138E-05
0-15.00	0.2188E-02	-7.5 TO 82.5	0.3238E-05	82.5-172.5	0.3217E-05	0	0- 90	0.1986E-04	90-180	0.1986E-04
15-30.00	0.6416E-02	-7.5 TO 82.5	0.2929E-05	82.5-172.5	0.2887E-05	15	0- 90	0.1894E-04	90-180	0.1876E-04
30-45.00	0.1021E-01	-7.5 TO 82.5	0.2358E-05	82.5-172.5	0.2304E-05	30	0- 90	0.1619E-04	90-180	0.1589E-04
45-60.00	0.1330E-01	-7.5 TO 82.5	0.1626E-05	82.5-172.5	0.1574E-05	45	0- 90	0.1213E-04	90-180	0.1180E-04
60-75.00	0.1549E-01	-7.5 TO 82.5	0.8407E-06	82.5-172.5	0.8024E-06	60	0- 90	0.7448E-05	90-180	0.7166E-05
75-85.99	0.1213E-01	-7.5 TO 82.5	0.1908E-06	82.5-172.5	0.1696E-06	75	0- 90	0.2735E-05	90-180	0.2556E-05
0-15.00	0.2553E-02	-7.5 TO 97.5	0.3236E-05	82.5-187.5	0.3216E-05	0	0-105	0.2318E-04	90-195	0.2318E-04
15-30.00	0.7486E-02	-7.5 TO 97.5	0.2925E-05	82.5-187.5	0.2885E-05	15	0-105	0.2208E-04	90-195	0.2188E-04
30-45.00	0.1191E-01	-7.5 TO 97.5	0.2353E-05	82.5-187.5	0.2301E-05	30	0-105	0.1886E-04	90-195	0.1852E-04
45-60.00	0.1552E-01	-7.5 TO 97.5	0.1622E-05	82.5-187.5	0.1572E-05	45	0-105	0.1412E-04	90-195	0.1375E-04
60-75.00	0.1807E-01	-7.5 TO 97.5	0.8376E-06	82.5-187.5	0.8005E-06	60	0-105	0.8661E-05	90-195	0.8347E-05
75-85.99	0.1415E-01	-7.5 TO 97.5	0.1891E-06	82.5-187.5	0.1686E-06	75	0-105	0.3173E-05	90-195	0.2974E-05

$r_2/r_1 = 0.30$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0455$ $\cosh \mu_2 = 16.5150$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 148.22$

0-15.00	0.3647E-03	-7.5 TO 7.5	0.1208E-04	82.5- 97.5	0.1196E-04	0	0- 15	0.1227E-04	90-105	0.1227E-04
15-30.00	0.1069E-02	-7.5 TO 7.5	0.1101E-04	82.5- 97.5	0.1077E-04	15	0- 15	0.1182E-04	90-105	0.1162E-04
30-45.00	0.1761E-02	-7.5 TO 7.5	0.8946E-05	82.5- 97.5	0.8626E-05	30	0- 15	0.1020E-04	90-105	0.9869E-05
45-60.00	0.2217E-02	-7.5 TO 7.5	0.6227E-05	82.5- 97.5	0.5920E-05	45	0- 15	0.7719E-05	90-105	0.7351E-05
60-75.00	0.2582E-02	-7.5 TO 7.5	0.3266E-05	82.5- 97.5	0.3038E-05	60	0- 15	0.4791E-05	90-105	0.4480E-05
75-85.99	0.2021E-02	-7.5 TO 7.5	0.7897E-06	82.5- 97.5	0.6640E-06	75	0- 15	0.1811E-05	90-105	0.1614E-05
0-15.00	0.7255E-03	-7.5 TO 22.5	0.1207E-04	82.5-112.5	0.1194E-04	0	0- 30	0.2454E-04	90-120	0.2454E-04
15-30.00	0.2139E-02	-7.5 TO 22.5	0.1101E-04	82.5-112.5	0.1073E-04	15	0- 30	0.2363E-04	90-120	0.2320E-04
30-45.00	0.3462E-02	-7.5 TO 22.5	0.8941E-05	82.5-112.5	0.8585E-05	30	0- 30	0.2038E-04	90-120	0.1966E-04
45-60.00	0.4434E-02	-7.5 TO 22.5	0.6222E-05	82.5-112.5	0.5881E-05	45	0- 30	0.1542E-04	90-120	0.1462E-04
60-75.00	0.5163E-02	-7.5 TO 22.5	0.3262E-05	82.5-112.5	0.3009E-05	60	0- 30	0.9563E-05	90-120	0.8892E-05
75-85.99	0.4042E-02	-7.5 TO 22.5	0.7875E-06	82.5-112.5	0.6485E-06	75	0- 30	0.3609E-05	90-120	0.3185E-05
0-15.00	0.1094E-02	-7.5 TO 37.5	0.1207E-04	82.5-127.5	0.1193E-04	0	0- 45	0.3681E-04	90-135	0.3681E-04
15-30.00	0.3208E-02	-7.5 TO 37.5	0.1100E-04	82.5-127.5	0.1070E-04	15	0- 45	0.3542E-04	90-135	0.3474E-04
30-45.00	0.5103E-02	-7.5 TO 37.5	0.8928E-05	82.5-127.5	0.8547E-05	30	0- 45	0.3053E-04	90-135	0.2939E-04
45-60.00	0.6651E-02	-7.5 TO 37.5	0.6210E-05	82.5-127.5	0.5844E-05	45	0- 45	0.2307E-04	90-135	0.2182E-04
60-75.00	0.7745E-02	-7.5 TO 37.5	0.3253E-05	82.5-127.5	0.2982E-05	60	0- 45	0.1438E-04	90-135	0.1324E-04
75-85.99	0.6064E-02	-7.5 TO 37.5	0.7824E-06	82.5-127.5	0.6339E-06	75	0- 45	0.5385E-05	90-135	0.4719E-05
0-15.00	0.1459E-02	-7.5 TO 52.5	0.1206E-04	82.5-142.5	0.1191E-04	0	0- 60	0.4908E-04	90-150	0.4908E-04
15-30.00	0.4278E-02	-7.5 TO 52.5	0.1099E-04	82.5-142.5	0.1068E-04	15	0- 60	0.4717E-04	90-150	0.4624E-04
30-45.00	0.6805E-02	-7.5 TO 52.5	0.8909E-05	82.5-142.5	0.8511E-05	30	0- 60	0.4061E-04	90-150	0.3907E-04
45-60.00	0.8868E-02	-7.5 TO 52.5	0.6191E-05	82.5-142.5	0.5810E-05	45	0- 60	0.3066E-04	90-150	0.2896E-04
60-75.00	0.1033E-01	-7.5 TO 52.5	0.3239E-05	82.5-142.5	0.2957E-05	60	0- 60	0.1898E-04	90-150	0.1755E-04
75-85.99	0.8085E-02	-7.5 TO 52.5	0.7748E-06	82.5-142.5	0.6205E-06	75	0- 60	0.7127E-05	90-150	0.6222E-05
0-15.00	0.1824E-02	-7.5 TO 67.5	0.1205E-04	82.5-157.5	0.1190E-04	0	0- 75	0.6134E-04	90-165	0.6134E-04
15-30.00	0.5347E-02	-7.5 TO 67.5	0.1097E-04	82.5-157.5	0.1065E-04	15	0- 75	0.5888E-04	90-165	0.5773E-04
30-45.00	0.8506E-02	-7.5 TO 67.5	0.8884E-05	82.5-157.5	0.8480E-05	30	0- 75	0.5063E-04	90-165	0.4871E-04
45-60.00	0.1108E-01	-7.5 TO 67.5	0.6168E-05	82.5-157.5	0.5780E-05	45	0- 75	0.3818E-04	90-165	0.3606E-04
60-75.00	0.1291E-01	-7.5 TO 67.5	0.3221E-05	82.5-157.5	0.2935E-05	60	0- 75	0.2360E-04	90-165	0.2181E-04
75-85.99	0.1011E-01	-7.5 TO 67.5	0.7650E-06	82.5-157.5	0.6089E-06	75	0- 75	0.8829E-05	90-165	0.7704E-05
0-15.00	0.2188E-02	-7.5 TO 82.5	0.1204E-04	82.5-172.5	0.1189E-04	0	0- 90	0.7361E-04	90-180	0.7361E-04
15-30.00	0.6416E-02	-7.5 TO 82.5	0.1094E-04	82.5-172.5	0.1063E-04	15	0- 90	0.7055E-04	90-180	0.6920E-04
30-45.00	0.1021E-01	-7.5 TO 82.5	0.8855E-05	82.5-172.5	0.8454E-05	30	0- 90	0.6058E-04	90-180	0.5832E-04
45-60.00	0.1330E-01	-7.5 TO 82.5	0.6139E-05	82.5-172.5	0.5756E-05	45	0- 90	0.4562E-04	90-180	0.4313E-04
60-75.00	0.1549E-01	-7.5 TO 82.5	0.3200E-05	82.5-172.5	0.2917E-05	60	0- 90	0.2815E-04	90-180	0.2606E-04
75-85.99	0.1213E-01	-7.5 TO 82.5	0.7533E-06	82.5-172.5	0.5993E-06	75	0- 90	0.1049E-04	90-180	0.9175E-05
0-15.00	0.2553E-02	-7.5 TO 97.5	0.1203E-04	82.5-187.5	0.1188E-04	0	0-105	0.8588E-04	90-195	0.8588E-04
15-30.00	0.7486E-02	-7.5 TO 97.5	0.1092E-04	82.5-187.5	0.1061E-04	15	0-105	0.8217E-04	90-195	0.8067E-04
30-45.00	0.1191E-01	-7.5 TO 97.5	0.8822E-05	82.5-187.5	0.8433E-05	30	0-105	0.7045E-04	90-195	0.6794E-04
45-60.00	0.1552E-01	-7.5 TO 97.5	0.6108E-05	82.5-187.5	0.5737E-05	45	0-105	0.5297E-04	90-195	0.5021E-04
60-75.00	0.1807E-01	-7.5 TO 97.5	0.3177E-05	82.5-187.5	0.2903E-05	60	0-105	0.3263E-04	90-195	0.3031E-04
75-85.99	0.1415E-01	-7.5 TO 97.5	0.7407E-06	82.5-187.5	0.5919E-06	75	0-105	0.1210E-04	90-195	0.1065E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

r_2/r_1 = 0.30 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0455 $\cosh \mu_2$ = 16.5150 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 132.49

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3647E-03	-7.5 TO 7.5	0.2401E-04	82.5- 97.5	0.2365E-04	0	0- 15	0.2427E-04	90-105	0.2427E-04
15-30.00	0.1069E-02	-7.5 TO 7.5	0.2205E-04	82.5- 97.5	0.2130E-04	15	0- 15	0.2356E-04	90-105	0.2296E-04
30-45.00	0.1701E-02	-7.5 TO 7.5	0.1804E-04	82.5- 97.5	0.1707E-04	30	0- 15	0.2049E-04	90-105	0.1948E-04
45-60.00	0.2217E-02	-7.5 TO 7.5	0.1264E-04	82.5- 97.5	0.1172E-04	45	0- 15	0.1561E-04	90-105	0.1451E-04
60-75.00	0.2562E-02	-7.5 TO 7.5	0.6697E-05	82.5- 97.5	0.6017E-05	60	0- 15	0.9768E-05	90-105	0.8836E-05
75-85.99	0.2021E-02	-7.5 TO 7.5	0.1685E-05	82.5- 97.5	0.1319E-05	75	0- 15	0.3759E-05	90-105	0.3179E-05
0-15.00	0.7255E-03	-7.5 TO 22.5	0.2400E-04	82.5-112.5	0.2360E-04	0	0- 30	0.4853E-04	90-120	0.4853E-04
15-30.00	0.2139E-02	-7.5 TO 22.5	0.2204E-04	82.5-112.5	0.2120E-04	15	0- 30	0.4709E-04	90-120	0.4579E-04
30-45.00	0.3402E-02	-7.5 TO 22.5	0.1802E-04	82.5-112.5	0.1695E-04	30	0- 30	0.4092E-04	90-120	0.3875E-04
45-60.00	0.4434E-02	-7.5 TO 22.5	0.1263E-04	82.5-112.5	0.1160E-04	45	0- 30	0.3116E-04	90-120	0.2877E-04
60-75.00	0.5163E-02	-7.5 TO 22.5	0.6685E-05	82.5-112.5	0.5933E-05	60	0- 30	0.1948E-04	90-120	0.1747E-04
75-85.99	0.4042E-02	-7.5 TO 22.5	0.1678E-05	82.5-112.5	0.1275E-05	75	0- 30	0.7482E-05	90-120	0.6235E-05
0-15.00	0.1094E-02	-7.5 TO 37.5	0.2399E-04	82.5-127.5	0.2356E-04	0	0- 45	0.7280E-04	90-135	0.7280E-04
15-30.00	0.3206E-02	-7.5 TO 37.5	0.2201E-04	82.5-127.5	0.2111E-04	15	0- 45	0.7055E-04	90-135	0.6851E-04
30-45.00	0.5103E-02	-7.5 TO 37.5	0.1798E-04	82.5-127.5	0.1683E-04	30	0- 45	0.6123E-04	90-135	0.5781E-04
45-60.00	0.6651E-02	-7.5 TO 37.5	0.1259E-04	82.5-127.5	0.1149E-04	45	0- 45	0.4658E-04	90-135	0.4281E-04
60-75.00	0.7745E-02	-7.5 TO 37.5	0.6658E-05	82.5-127.5	0.5853E-05	60	0- 45	0.2908E-04	90-135	0.2593E-04
75-85.99	0.6064E-02	-7.5 TO 37.5	0.1664E-05	82.5-127.5	0.1233E-05	75	0- 45	0.1113E-04	90-135	0.9184E-05
0-15.00	0.1459E-02	-7.5 TO 52.5	0.2397E-04	82.5-142.5	0.2351E-04	0	0- 60	0.9706E-04	90-150	0.9706E-04
15-30.00	0.4278E-02	-7.5 TO 52.5	0.2196E-04	82.5-142.5	0.2102E-04	15	0- 60	0.9391E-04	90-150	0.9112E-04
30-45.00	0.6805E-02	-7.5 TO 52.5	0.1792E-04	82.5-142.5	0.1672E-04	30	0- 60	0.8137E-04	90-150	0.7671E-04
45-60.00	0.8868E-02	-7.5 TO 52.5	0.1254E-04	82.5-142.5	0.1139E-04	45	0- 60	0.6181E-04	90-150	0.5668E-04
60-75.00	0.1033E-01	-7.5 TO 52.5	0.6617E-05	82.5-142.5	0.5781E-05	60	0- 60	0.3852E-04	90-150	0.3424E-04
75-85.99	0.8065E-02	-7.5 TO 52.5	0.1641E-05	82.5-142.5	0.1196E-05	75	0- 60	0.1469E-04	90-150	0.1205E-04
0-15.00	0.1824E-02	-7.5 TO 67.5	0.2394E-04	82.5-157.5	0.2348E-04	0	0- 75	0.1213E-03	90-165	0.1213E-03
15-30.00	0.5347E-02	-7.5 TO 67.5	0.2190E-04	82.5-157.5	0.2095E-04	15	0- 75	0.1171E-03	90-165	0.1137E-03
30-45.00	0.8506E-02	-7.5 TO 67.5	0.1785E-04	82.5-157.5	0.1663E-04	30	0- 75	0.1013E-03	90-165	0.9550E-04
45-60.00	0.1108E-01	-7.5 TO 67.5	0.1246E-04	82.5-157.5	0.1130E-04	45	0- 75	0.7682E-04	90-165	0.7043E-04
60-75.00	0.1291E-01	-7.5 TO 67.5	0.6564E-05	82.5-157.5	0.5718E-05	60	0- 75	0.4778E-04	90-165	0.4245E-04
75-85.99	0.1011E-01	-7.5 TO 67.5	0.1612E-05	82.5-157.5	0.1164E-05	75	0- 75	0.1813E-04	90-165	0.1485E-04
0-15.00	0.2188E-02	-7.5 TO 82.5	0.2391E-04	82.5-172.5	0.2345E-04	0	0- 90	0.1456E-03	90-180	0.1456E-03
15-30.00	0.6416E-02	-7.5 TO 82.5	0.2183E-04	82.5-172.5	0.2089E-04	15	0- 90	0.1402E-03	90-180	0.1362E-03
30-45.00	0.1021E-01	-7.5 TO 82.5	0.1776E-04	82.5-172.5	0.1655E-04	30	0- 90	0.1210E-03	90-180	0.1142E-03
45-60.00	0.1330E-01	-7.5 TO 82.5	0.1238E-04	82.5-172.5	0.1123E-04	45	0- 90	0.9158E-04	90-180	0.8412E-04
60-75.00	0.1549E-01	-7.5 TO 82.5	0.6501E-05	82.5-172.5	0.5665E-05	60	0- 90	0.5682E-04	90-180	0.5061E-04
75-85.99	0.1213E-01	-7.5 TO 82.5	0.1579E-05	82.5-172.5	0.1138E-05	75	0- 90	0.2144E-04	90-180	0.1762E-04
0-15.00	0.2553E-02	-7.5 TO 97.5	0.2387E-04	82.5-187.5	0.2343E-04	0	0-105	0.1699E-03	90-195	0.1699E-03
15-30.00	0.7486E-02	-7.5 TO 97.5	0.2176E-04	82.5-187.5	0.2084E-04	15	0-105	0.1632E-03	90-195	0.1587E-03
30-45.00	0.1191E-01	-7.5 TO 97.5	0.1766E-04	82.5-187.5	0.1649E-04	30	0-105	0.1405E-03	90-195	0.1330E-03
45-60.00	0.1552E-01	-7.5 TO 97.5	0.1228E-04	82.5-187.5	0.1117E-04	45	0-105	0.1061E-03	90-195	0.9780E-04
60-75.00	0.1807E-01	-7.5 TO 97.5	0.6432E-05	82.5-187.5	0.5625E-05	60	0-105	0.6566E-04	90-195	0.5877E-04
75-85.99	0.1415E-01	-7.5 TO 97.5	0.1541E-05	82.5-187.5	0.1118E-05	75	0-105	0.2461E-04	90-195	0.2039E-04

r_2/r_1 = 0.30 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0455 $\cosh \mu_2$ = 16.5150 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 116.95

0-15.00	0.3647E-03	-7.5 TO 7.5	0.3571E-04	82.5- 97.5	0.3497E-04	0	0- 15	0.3588E-04	90-105	0.3588E-04
15-30.00	0.1069E-02	-7.5 TO 7.5	0.3303E-04	82.5- 97.5	0.3149E-04	15	0- 15	0.3514E-04	90-105	0.3392E-04
30-45.00	0.1701E-02	-7.5 TO 7.5	0.2722E-04	82.5- 97.5	0.2525E-04	30	0- 15	0.3080E-04	90-105	0.2876E-04
45-60.00	0.2217E-02	-7.5 TO 7.5	0.1922E-04	82.5- 97.5	0.1735E-04	45	0- 15	0.2365E-04	90-105	0.2140E-04
60-75.00	0.2562E-02	-7.5 TO 7.5	0.1027E-04	82.5- 97.5	0.8914E-05	60	0- 15	0.1490E-04	90-105	0.1303E-04
75-85.99	0.2021E-02	-7.5 TO 7.5	0.2662E-05	82.5- 97.5	0.1960E-05	75	0- 15	0.5819E-05	90-105	0.4685E-05
0-15.00	0.7255E-03	-7.5 TO 22.5	0.3569E-04	82.5-112.5	0.3487E-04	0	0- 30	0.7176E-04	90-120	0.7176E-04
15-30.00	0.2139E-02	-7.5 TO 22.5	0.3300E-04	82.5-112.5	0.3130E-04	15	0- 30	0.7021E-04	90-120	0.6757E-04
30-45.00	0.3402E-02	-7.5 TO 22.5	0.2719E-04	82.5-112.5	0.2500E-04	30	0- 30	0.6148E-04	90-120	0.5706E-04
45-60.00	0.4434E-02	-7.5 TO 22.5	0.1918E-04	82.5-112.5	0.1711E-04	45	0- 30	0.4715E-04	90-120	0.4230E-04
60-75.00	0.5163E-02	-7.5 TO 22.5	0.1024E-04	82.5-112.5	0.8748E-05	60	0- 30	0.2968E-04	90-120	0.2566E-04
75-85.99	0.4042E-02	-7.5 TO 22.5	0.2649E-05	82.5-112.5	0.1878E-05	75	0- 30	0.1157E-04	90-120	0.9136E-05
0-15.00	0.1094E-02	-7.5 TO 37.5	0.3567E-04	82.5-127.5	0.3478E-04	0	0- 45	0.1076E-03	90-135	0.1076E-03
15-30.00	0.3206E-02	-7.5 TO 37.5	0.3294E-04	82.5-127.5	0.3111E-04	15	0- 45	0.1051E-03	90-135	0.1010E-03
30-45.00	0.5103E-02	-7.5 TO 37.5	0.2711E-04	82.5-127.5	0.2477E-04	30	0- 45	0.9192E-04	90-135	0.8497E-04
45-60.00	0.6651E-02	-7.5 TO 37.5	0.1911E-04	82.5-127.5	0.1689E-04	45	0- 45	0.7040E-04	90-135	0.6277E-04
60-75.00	0.7745E-02	-7.5 TO 37.5	0.1019E-04	82.5-127.5	0.8593E-05	60	0- 45	0.4424E-04	90-135	0.3793E-04
75-85.99	0.6064E-02	-7.5 TO 37.5	0.2620E-05	82.5-127.5	0.1801E-05	75	0- 45	0.1717E-04	90-135	0.1338E-04
0-15.00	0.1459E-02	-7.5 TO 52.5	0.3562E-04	82.5-142.5	0.3470E-04	0	0- 60	0.1435E-03	90-150	0.1435E-03
15-30.00	0.4278E-02	-7.5 TO 52.5	0.3285E-04	82.5-142.5	0.3094E-04	15	0- 60	0.1399E-03	90-150	0.1342E-03
30-45.00	0.6805E-02	-7.5 TO 52.5	0.2699E-04	82.5-142.5	0.2455E-04	30	0- 60	0.1220E-03	90-150	0.1125E-03
45-60.00	0.8868E-02	-7.5 TO 52.5	0.1900E-04	82.5-142.5	0.1669E-04	45	0- 60	0.9326E-04	90-150	0.8290E-04
60-75.00	0.1033E-01	-7.5 TO 52.5	0.1011E-04	82.5-142.5	0.8451E-05	60	0- 60	0.5849E-04	90-150	0.4993E-04
75-85.99	0.8085E-02	-7.5 TO 52.5	0.2576E-05	82.5-142.5	0.1733E-05	75	0- 60	0.2259E-04	90-150	0.1747E-04
0-15.00	0.1824E-02	-7.5 TO 67.5	0.3556E-04	82.5-157.5	0.3462E-04	0	0- 75	0.1794E-03	90-165	0.1794E-03
15-30.00	0.5347E-02	-7.5 TO 67.5	0.3273E-04	82.5-157.5	0.3079E-04	15	0- 75	0.1743E-03	90-165	0.1672E-03
30-45.00	0.8506E-02	-7.5 TO 67.5	0.2684E-04	82.5-157.5	0.2436E-04	30	0- 75	0.1517E-03	90-165	0.1399E-03
45-60.00	0.1108E-01	-7.5 TO 67.5	0.1885E-04	82.5-157.5	0.1652E-04	45	0- 75	0.1157E-03	90-165	0.1028E-03
60-75.00	0.1291E-01	-7.5 TO 67.5	0.1000E-04	82.5-157.5	0.8328E-05	60	0- 75	0.7236E-04	90-165	0.6172E-04
75-85.99	0.1011E-01	-7.5 TO 67.5	0.2520E-05	82.5-157.5	0.1676E-05	75	0- 75	0.2777E-04	90-165	0.2144E-04
0-15.00	0.2188E-02	-7.5 TO 82.5	0.3550E-04	82.5-172.5	0.3456E-04	0	0- 90	0.2153E-03	90-180	0.2153E-03
15-30.00	0.6416E-02	-7.5 TO 82.5	0.3259E-04	82.5-172.5	0.3067E-04	15	0- 90	0.2085E-03	90-180	0.2002E-03
30-45.00	0.1021E-01	-7.5 TO 82.5	0.2666E-04	82.5-172.5	0.2421E-04	30	0- 90	0.1809E-03	90-180	0.1671E-03
45-60.00	0.1330E-01	-7.5 TO 82.5	0.1868E-04	82.5-172.5	0.1637E-04	45	0- 90	0.1376E-03	90-180	0.1225E-03
60-75.00	0.1549E-01	-7.5 TO 82.5	0.9875E-05	82.5-172.5	0.8227E-05	60	0- 90	0.8581E-04	90-180	0.7341E-04
75-85.99	0.1213E-01	-7.5 TO 82.5	0.2456E-05	82.5-172.5	0.1631E-05	75	0- 90	0.3271E-04	90-180	0.2536E-04
0-15.00	0.2553E-02	-7.5 TO 97.5	0.3542E-04	82.5-187.5	0.3451E-04	0	0-105	0.2511E-03	90-195	0.2511E-03
15-30.00	0.7486E-02	-7.5 TO 97.5	0.3244E-04	82.5-187.5	0.3057E-04	15	0-105	0.2425E-03	90-195	0.2332E-03
30-45.00	0.1191E-01	-7.5 TO 97.5	0.2646E-04	82.5-187.5	0.2408E-04	30	0-105	0.2097E-03	90-195	0.1944E-03
45-60.00	0.1552E-01	-7.5 TO 97.5	0.1849E-04	82.5-187.5	0.1626E-04	45	0-105	0.1590E-03	90-195	0.1423E-03
60-75.00	0.1807E-01	-7.5 TO 97.5	0.9738E-05	82.5-187.5	0.8148E-05	60	0-105	0.9884E-04	90-195	0.8510E-04
75-85.99	0.1415E-01	-7.5 TO 97.5	0.2385E-05	82.5-187.5	0.1596E-05	75	0-105	0.3739E-04	90-195	0.2927E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0455$ $\cosh \mu_2 = 16.5150$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 101.62$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3647E-03	-7.5 TO 7.5	0.4399E-04	82.5- 97.5	0.4279E-04	0	0- 15	0.4390E-04	90-105	0.4390E-04
15-30.00	0.1069E-02	-7.5 TO 7.5	0.4103E-04	82.5- 97.5	0.3855E-04	15	0- 15	0.4344E-04	90-105	0.4145E-04
30-45.00	0.1701E-02	-7.5 TO 7.5	0.3409E-04	82.5- 97.5	0.3092E-04	30	0- 15	0.3842E-04	90-105	0.3511E-04
45-60.00	0.2217E-02	-7.5 TO 7.5	0.2424E-04	82.5- 97.5	0.2125E-04	45	0- 15	0.2972E-04	90-105	0.2611E-04
60-75.00	0.2582E-02	-7.5 TO 7.5	0.1305E-04	82.5- 97.5	0.1093E-04	60	0- 15	0.1886E-04	90-105	0.1589E-04
75-85.99	0.2021E-02	-7.5 TO 7.5	0.3450E-05	82.5- 97.5	0.2410E-05	75	0- 15	0.7444E-05	90-105	0.5715E-05
0-15.00	0.7295E-03	-7.5 TO 22.5	0.4397E-04	82.5-112.5	0.4263E-04	0	0- 30	0.8781E-04	90-120	0.8781E-04
15-30.00	0.2139E-02	-7.5 TO 22.5	0.4099E-04	82.5-112.5	0.3823E-04	15	0- 30	0.8675E-04	90-120	0.8247E-04
30-45.00	0.3402E-02	-7.5 TO 22.5	0.3404E-04	82.5-112.5	0.3052E-04	30	0- 30	0.7664E-04	90-120	0.6950E-04
45-60.00	0.4434E-02	-7.5 TO 22.5	0.2419E-04	82.5-112.5	0.2088E-04	45	0- 30	0.5922E-04	90-120	0.5143E-04
60-75.00	0.5163E-02	-7.5 TO 22.5	0.1301E-04	82.5-112.5	0.1067E-04	60	0- 30	0.3753E-04	90-120	0.3116E-04
75-85.99	0.4042E-02	-7.5 TO 22.5	0.3430E-05	82.5-112.5	0.2291E-05	75	0- 30	0.1477E-04	90-120	0.1108E-04
0-15.00	0.1094E-02	-7.5 TO 37.5	0.4392E-04	82.5-127.5	0.4249E-04	0	0- 45	0.1317E-03	90-135	0.1317E-03
15-30.00	0.3206E-02	-7.5 TO 37.5	0.4089E-04	82.5-127.5	0.3793E-04	15	0- 45	0.1298E-03	90-135	0.1231E-03
30-45.00	0.5103E-02	-7.5 TO 37.5	0.3391E-04	82.5-127.5	0.3014E-04	30	0- 45	0.1145E-03	90-135	0.1032E-03
45-60.00	0.6651E-02	-7.5 TO 37.5	0.2407E-04	82.5-127.5	0.2053E-04	45	0- 45	0.8829E-04	90-135	0.7606E-04
60-75.00	0.7745E-02	-7.5 TO 37.5	0.1292E-04	82.5-127.5	0.1043E-04	60	0- 45	0.5585E-04	90-135	0.4587E-04
75-85.99	0.6064E-02	-7.5 TO 37.5	0.3386E-05	82.5-127.5	0.2182E-05	75	0- 45	0.2189E-04	90-135	0.1615E-04
0-15.00	0.1459E-02	-7.5 TO 52.5	0.4385E-04	82.5-142.5	0.4235E-04	0	0- 60	0.1756E-03	90-150	0.1756E-03
15-30.00	0.4278E-02	-7.5 TO 52.5	0.4075E-04	82.5-142.5	0.3766E-04	15	0- 60	0.1726E-03	90-150	0.1634E-03
30-45.00	0.6805E-02	-7.5 TO 52.5	0.3372E-04	82.5-142.5	0.2980E-04	30	0- 60	0.1517E-03	90-150	0.1365E-03
45-60.00	0.8868E-02	-7.5 TO 52.5	0.2388E-04	82.5-142.5	0.2021E-04	45	0- 60	0.1168E-03	90-150	0.1001E-03
60-75.00	0.1033E-01	-7.5 TO 52.5	0.1279E-04	82.5-142.5	0.1022E-04	60	0- 60	0.7366E-04	90-150	0.6014E-04
75-85.99	0.8085E-02	-7.5 TO 52.5	0.3321E-05	82.5-142.5	0.2087E-05	75	0- 60	0.2871E-04	90-150	0.2097E-04
0-15.00	0.1824E-02	-7.5 TO 67.5	0.4376E-04	82.5-157.5	0.4223E-04	0	0- 75	0.2195E-03	90-165	0.2195E-03
15-30.00	0.5347E-02	-7.5 TO 67.5	0.4055E-04	82.5-157.5	0.3742E-04	15	0- 75	0.2149E-03	90-165	0.2035E-03
30-45.00	0.8506E-02	-7.5 TO 67.5	0.3347E-04	82.5-157.5	0.2949E-04	30	0- 75	0.1884E-03	90-165	0.1693E-03
45-60.00	0.1108E-01	-7.5 TO 67.5	0.2365E-04	82.5-157.5	0.1993E-04	45	0- 75	0.1445E-03	90-165	0.1238E-03
60-75.00	0.1291E-01	-7.5 TO 67.5	0.1263E-04	82.5-157.5	0.1003E-04	60	0- 75	0.9088E-04	90-165	0.7411E-04
75-85.99	0.1011E-01	-7.5 TO 67.5	0.3238E-05	82.5-157.5	0.2008E-05	75	0- 75	0.3518E-04	90-165	0.2564E-04
0-15.00	0.2188E-02	-7.5 TO 82.5	0.4365E-04	82.5-172.5	0.4214E-04	0	0- 90	0.2634E-03	90-180	0.2634E-03
15-30.00	0.6416E-02	-7.5 TO 82.5	0.4032E-04	82.5-172.5	0.3721E-04	15	0- 90	0.2569E-03	90-180	0.2434E-03
30-45.00	0.1021E-01	-7.5 TO 82.5	0.3318E-04	82.5-172.5	0.2924E-04	30	0- 90	0.2242E-03	90-180	0.2020E-03
45-60.00	0.1330E-01	-7.5 TO 82.5	0.2338E-04	82.5-172.5	0.1970E-04	45	0- 90	0.1714E-03	90-180	0.1473E-03
60-75.00	0.1549E-01	-7.5 TO 82.5	0.1243E-04	82.5-172.5	0.9873E-05	60	0- 90	0.1074E-03	90-180	0.8792E-04
75-85.99	0.1213E-01	-7.5 TO 82.5	0.3141E-05	82.5-172.5	0.1945E-05	75	0- 90	0.4128E-04	90-180	0.3022E-04
0-15.00	0.2553E-02	-7.5 TO 97.5	0.4353E-04	82.5-187.5	0.4206E-04	0	0-105	0.3073E-03	90-195	0.3073E-03
15-30.00	0.7486E-02	-7.5 TO 97.5	0.4007E-04	82.5-187.5	0.3706E-04	15	0-105	0.2983E-03	90-195	0.2834E-03
30-45.00	0.1191E-01	-7.5 TO 97.5	0.3286E-04	82.5-187.5	0.2905E-04	30	0-105	0.2593E-03	90-195	0.2346E-03
45-60.00	0.1552E-01	-7.5 TO 97.5	0.2307E-04	82.5-187.5	0.1953E-04	45	0-105	0.1975E-03	90-195	0.1708E-03
60-75.00	0.1807E-01	-7.5 TO 97.5	0.1222E-04	82.5-187.5	0.9754E-05	60	0-105	0.1233E-03	90-195	0.1017E-03
75-85.99	0.1415E-01	-7.5 TO 97.5	0.3037E-05	82.5-187.5	0.1898E-05	75	0-105	0.4699E-04	90-195	0.3480E-04

$r_2/r_1 = 0.30$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0455$ $\cosh \mu_2 = 16.5150$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 86.53$

0-15.00	0.3647E-03	-7.5 TO 7.5	0.4675E-04	82.5- 97.5	0.4512E-04	0	0- 15	0.4630E-04	90-105	0.4630E-04
15-30.00	0.1065E-02	-7.5 TO 7.5	0.4406E-04	82.5- 97.5	0.4066E-04	15	0- 15	0.4634E-04	90-105	0.4365E-04
30-45.00	0.1701E-02	-7.5 TO 7.5	0.3696E-04	82.5- 97.5	0.3262E-04	30	0- 15	0.4145E-04	90-105	0.3693E-04
45-60.00	0.2217E-02	-7.5 TO 7.5	0.2648E-04	82.5- 97.5	0.2243E-04	45	0- 15	0.3236E-04	90-105	0.2744E-04
60-75.00	0.2582E-02	-7.5 TO 7.5	0.1434E-04	82.5- 97.5	0.1154E-04	60	0- 15	0.2067E-04	90-105	0.1670E-04
75-85.99	0.2021E-02	-7.5 TO 7.5	0.3829E-05	82.5- 97.5	0.2548E-05	75	0- 15	0.8214E-05	90-105	0.6005E-05
0-15.00	0.7295E-03	-7.5 TO 22.5	0.4672E-04	82.5-112.5	0.4492E-04	0	0- 30	0.9259E-04	90-120	0.9259E-04
15-30.00	0.2139E-02	-7.5 TO 22.5	0.4400E-04	82.5-112.5	0.4024E-04	15	0- 30	0.9252E-04	90-120	0.8672E-04
30-45.00	0.3402E-02	-7.5 TO 22.5	0.3689E-04	82.5-112.5	0.3209E-04	30	0- 30	0.8262E-04	90-120	0.7291E-04
45-60.00	0.4434E-02	-7.5 TO 22.5	0.2641E-04	82.5-112.5	0.2194E-04	45	0- 30	0.6441E-04	90-120	0.5386E-04
60-75.00	0.5163E-02	-7.5 TO 22.5	0.1429E-04	82.5-112.5	0.1122E-04	60	0- 30	0.4109E-04	90-120	0.3260E-04
75-85.99	0.4042E-02	-7.5 TO 22.5	0.3805E-05	82.5-112.5	0.2409E-05	75	0- 30	0.1628E-04	90-120	0.1159E-04
0-15.00	0.1094E-02	-7.5 TO 37.5	0.4666E-04	82.5-127.5	0.4472E-04	0	0- 45	0.1389E-03	90-135	0.1389E-03
15-30.00	0.3206E-02	-7.5 TO 37.5	0.4386E-04	82.5-127.5	0.3984E-04	15	0- 45	0.1384E-03	90-135	0.1293E-03
30-45.00	0.5103E-02	-7.5 TO 37.5	0.3671E-04	82.5-127.5	0.3160E-04	30	0- 45	0.1232E-03	90-135	0.1080E-03
45-60.00	0.6651E-02	-7.5 TO 37.5	0.2625E-04	82.5-127.5	0.2150E-04	45	0- 45	0.9586E-04	90-135	0.7941E-04
60-75.00	0.7745E-02	-7.5 TO 37.5	0.1417E-04	82.5-127.5	0.1092E-04	60	0- 45	0.6102E-04	90-135	0.4781E-04
75-85.99	0.6064E-02	-7.5 TO 37.5	0.3750E-05	82.5-127.5	0.2284E-05	75	0- 45	0.2407E-04	90-135	0.1681E-04
0-15.00	0.1459E-02	-7.5 TO 52.5	0.4696E-04	82.5-142.5	0.4454E-04	0	0- 60	0.1852E-03	90-150	0.1852E-03
15-30.00	0.4278E-02	-7.5 TO 52.5	0.4366E-04	82.5-142.5	0.3948E-04	15	0- 60	0.1838E-03	90-150	0.1714E-03
30-45.00	0.6805E-02	-7.5 TO 52.5	0.3645E-04	82.5-142.5	0.3115E-04	30	0- 60	0.1631E-03	90-150	0.1425E-03
45-60.00	0.8868E-02	-7.5 TO 52.5	0.2600E-04	82.5-142.5	0.2109E-04	45	0- 60	0.1265E-03	90-150	0.1043E-03
60-75.00	0.1033E-01	-7.5 TO 52.5	0.1400E-04	82.5-142.5	0.1065E-04	60	0- 60	0.8028E-04	90-150	0.6248E-04
75-85.99	0.8085E-02	-7.5 TO 52.5	0.3667E-05	82.5-142.5	0.2175E-05	75	0- 60	0.3148E-04	90-150	0.2177E-04
0-15.00	0.1824E-02	-7.5 TO 67.5	0.4643E-04	82.5-157.5	0.4439E-04	0	0- 75	0.2315E-03	90-165	0.2315E-03
15-30.00	0.5347E-02	-7.5 TO 67.5	0.4339E-04	82.5-157.5	0.3917E-04	15	0- 75	0.2287E-03	90-165	0.2132E-03
30-45.00	0.8506E-02	-7.5 TO 67.5	0.3611E-04	82.5-157.5	0.3077E-04	30	0- 75	0.2021E-03	90-165	0.1765E-03
45-60.00	0.1108E-01	-7.5 TO 67.5	0.2568E-04	82.5-157.5	0.2075E-04	45	0- 75	0.1561E-03	90-165	0.1286E-03
60-75.00	0.1291E-01	-7.5 TO 67.5	0.1378E-04	82.5-157.5	0.1042E-04	60	0- 75	0.9872E-04	90-165	0.7679E-04
75-85.99	0.1011E-01	-7.5 TO 67.5	0.3564E-05	82.5-157.5	0.2086E-05	75	0- 75	0.3843E-04	90-165	0.2653E-04
0-15.00	0.2188E-02	-7.5 TO 82.5	0.4629E-04	82.5-172.5	0.4426E-04	0	0- 90	0.2778E-03	90-180	0.2778E-03
15-30.00	0.6416E-02	-7.5 TO 82.5	0.4308E-04	82.5-172.5	0.3891E-04	15	0- 90	0.2729E-03	90-180	0.2549E-03
30-45.00	0.1021E-01	-7.5 TO 82.5	0.3571E-04	82.5-172.5	0.3045E-04	30	0- 90	0.2400E-03	90-180	0.2103E-03
45-60.00	0.1330E-01	-7.5 TO 82.5	0.2530E-04	82.5-172.5	0.2046E-04	45	0- 90	0.1846E-03	90-180	0.1527E-03
60-75.00	0.1549E-01	-7.5 TO 82.5	0.1352E-04	82.5-172.5	0.1024E-04	60	0- 90	0.1163E-03	90-180	0.9091E-04
75-85.99	0.1213E-01	-7.5 TO 82.5	0.3444E-05	82.5-172.5	0.2016E-05	75	0- 90	0.4490E-04	90-180	0.3120E-04
0-15.00	0.2553E-02	-7.5 TO 97.5	0.4612E-04	82.5-187.5	0.4416E-04	0	0-105	0.3241E-03	90-195	0.3241E-03
15-30.00	0.7486E-02	-7.5 TO 97.5	0.4273E-04	82.5-187.5	0.3871E-04	15	0-105	0.3166E-03	90-195	0.2966E-03
30-45.00	0.1191E-01	-7.5 TO 97.5	0.3527E-04	82.5-187.5	0.3020E-04	30	0-105	0.2769E-03	90-195	0.2441E-03
45-60.00	0.1552E-01	-7.5 TO 97.5	0.2489E-04	82.5-187.5	0.2024E-04	45	0-105	0.2121E-03	90-195	0.1769E-03
60-75.00	0.1807E-01	-7.5 TO 97.5	0.1324E-04	82.5-187.5	0.1009E-04	60	0-105	0.1330E-03	90-195	0.1050E-03
75-85.99	0.1415E-01	-7.5 TO 97.5	0.3316E-05	82.5-187.5	0.1962E-05	75	0-105	0.5091E-04	90-195	0.3588E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0455$ $\cosh \mu_2 = 16.5150$ $\alpha_{2,max} = 94.01$ $\theta_{2,min} = 82.53$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3647E-03	-7.5 TO 7.5	0.4675E-04	82.5- 97.5	0.4512E-04	0	0- 15	0.4630E-04	90-105	0.4630E-04
15-30.00	0.1069E-02	-7.5 TO 7.5	0.4406E-04	82.5- 97.5	0.4066E-04	15	0- 15	0.4634E-04	90-105	0.4365E-04
30-45.00	0.1761E-02	-7.5 TO 7.5	0.3700E-04	82.5- 97.5	0.3262E-04	30	0- 15	0.4147E-04	90-105	0.3693E-04
45-60.00	0.2217E-02	-7.5 TO 7.5	0.2655E-04	82.5- 97.5	0.2243E-04	45	0- 15	0.3241E-04	90-105	0.2744E-04
60-75.00	0.2582E-02	-7.5 TO 7.5	0.1439E-04	82.5- 97.5	0.1154E-04	60	0- 15	0.2074E-04	90-105	0.1670E-04
75-85.99	0.2021E-02	-7.5 TO 7.5	0.3847E-05	82.5- 97.5	0.2548E-05	75	0- 15	0.8248E-05	90-105	0.6005E-05
0-15.00	0.7295E-03	-7.5 TO 22.5	0.4672E-04	82.5-112.5	0.4492E-04	0	0- 30	0.9259E-04	90-120	0.9259E-04
15-30.00	0.2139E-02	-7.5 TO 22.5	0.4400E-04	82.5-112.5	0.4024E-04	15	0- 30	0.9252E-04	90-120	0.8672E-04
30-45.00	0.3402E-02	-7.5 TO 22.5	0.3692E-04	82.5-112.5	0.3209E-04	30	0- 30	0.8265E-04	90-120	0.7291E-04
45-60.00	0.4434E-02	-7.5 TO 22.5	0.2647E-04	82.5-112.5	0.2194E-04	45	0- 30	0.6450E-04	90-120	0.5386E-04
60-75.00	0.5163E-02	-7.5 TO 22.5	0.1434E-04	82.5-112.5	0.1122E-04	60	0- 30	0.4120E-04	90-120	0.3260E-04
75-85.99	0.4042E-02	-7.5 TO 22.5	0.3821E-05	82.5-112.5	0.2409E-05	75	0- 30	0.1634E-04	90-120	0.1159E-04
0-15.00	0.1094E-02	-7.5 TO 37.5	0.4666E-04	82.5-127.5	0.4472E-04	0	0- 45	0.1389E-03	90-135	0.1389E-03
15-30.00	0.3206E-02	-7.5 TO 37.5	0.4387E-04	82.5-127.5	0.3984E-04	15	0- 45	0.1384E-03	90-135	0.1293E-03
30-45.00	0.5103E-02	-7.5 TO 37.5	0.3674E-04	82.5-127.5	0.3160E-04	30	0- 45	0.1233E-03	90-135	0.1080E-03
45-60.00	0.6651E-02	-7.5 TO 37.5	0.2630E-04	82.5-127.5	0.2150E-04	45	0- 45	0.9598E-04	90-135	0.7941E-04
60-75.00	0.7745E-02	-7.5 TO 37.5	0.1422E-04	82.5-127.5	0.1092E-04	60	0- 45	0.6117E-04	90-135	0.4781E-04
75-85.99	0.6064E-02	-7.5 TO 37.5	0.3764E-05	82.5-127.5	0.2284E-05	75	0- 45	0.2415E-04	90-135	0.1681E-04
0-15.00	0.1459E-02	-7.5 TO 52.5	0.4656E-04	82.5-142.5	0.4454E-04	0	0- 60	0.1852E-03	90-150	0.1852E-03
15-30.00	0.4278E-02	-7.5 TO 52.5	0.4366E-04	82.5-142.5	0.3948E-04	15	0- 60	0.1838E-03	90-150	0.1714E-03
30-45.00	0.6805E-02	-7.5 TO 52.5	0.3647E-04	82.5-142.5	0.3115E-04	30	0- 60	0.1631E-03	90-150	0.1425E-03
45-60.00	0.8868E-02	-7.5 TO 52.5	0.2604E-04	82.5-142.5	0.2109E-04	45	0- 60	0.1266E-03	90-150	0.1043E-03
60-75.00	0.1033E-01	-7.5 TO 52.5	0.1404E-04	82.5-142.5	0.1065E-04	60	0- 60	0.8043E-04	90-150	0.6248E-04
75-85.99	0.8085E-02	-7.5 TO 52.5	0.3680E-05	82.5-142.5	0.2175E-05	75	0- 60	0.3156E-04	90-150	0.2177E-04
0-15.00	0.1824E-02	-7.5 TO 67.5	0.4643E-04	82.5-157.5	0.4439E-04	0	0- 75	0.2315E-03	90-165	0.2315E-03
15-30.00	0.5347E-02	-7.5 TO 67.5	0.4339E-04	82.5-157.5	0.3917E-04	15	0- 75	0.2287E-03	90-165	0.2132E-03
30-45.00	0.8506E-02	-7.5 TO 67.5	0.3613E-04	82.5-157.5	0.3077E-04	30	0- 75	0.2021E-03	90-165	0.1765E-03
45-60.00	0.1108E-01	-7.5 TO 67.5	0.2571E-04	82.5-157.5	0.2075E-04	45	0- 75	0.1562E-03	90-165	0.1286E-03
60-75.00	0.1291E-01	-7.5 TO 67.5	0.1381E-04	82.5-157.5	0.1042E-04	60	0- 75	0.9888E-04	90-165	0.7679E-04
75-85.99	0.1011E-01	-7.5 TO 67.5	0.3574E-05	82.5-157.5	0.2086E-05	75	0- 75	0.3852E-04	90-165	0.2653E-04
0-15.00	0.2188E-02	-7.5 TO 82.5	0.4629E-04	82.5-172.5	0.4426E-04	0	0- 90	0.2778E-03	90-180	0.2778E-03
15-30.00	0.6416E-02	-7.5 TO 82.5	0.4308E-04	82.5-172.5	0.3891E-04	15	0- 90	0.2729E-03	90-180	0.2549E-03
30-45.00	0.1021E-01	-7.5 TO 82.5	0.3572E-04	82.5-172.5	0.3045E-04	30	0- 90	0.2400E-03	90-180	0.2103E-03
45-60.00	0.1330E-01	-7.5 TO 82.5	0.2533E-04	82.5-172.5	0.2046E-04	45	0- 90	0.1848E-03	90-180	0.1527E-03
60-75.00	0.1549E-01	-7.5 TO 82.5	0.1355E-04	82.5-172.5	0.1024E-04	60	0- 90	0.1164E-03	90-180	0.9091E-04
75-85.99	0.1213E-01	-7.5 TO 82.5	0.3453E-05	82.5-172.5	0.2016E-05	75	0- 90	0.4499E-04	90-180	0.3120E-04
0-15.00	0.2553E-02	-7.5 TO 97.5	0.4612E-04	82.5-187.5	0.4416E-04	0	0-105	0.3241E-03	90-195	0.3241E-03
15-30.00	0.7486E-02	-7.5 TO 97.5	0.4273E-04	82.5-187.5	0.3871E-04	15	0-105	0.3166E-03	90-195	0.2966E-03
30-45.00	0.1191E-01	-7.5 TO 97.5	0.3528E-04	82.5-187.5	0.3020E-04	30	0-105	0.2770E-03	90-195	0.2441E-03
45-60.00	0.1552E-01	-7.5 TO 97.5	0.2492E-04	82.5-187.5	0.2024E-04	45	0-105	0.2122E-03	90-195	0.1769E-03
60-75.00	0.1807E-01	-7.5 TO 97.5	0.1326E-04	82.5-187.5	0.1009E-04	60	0-105	0.1331E-03	90-195	0.1050E-03
75-85.99	0.1415E-01	-7.5 TO 97.5	0.3324E-05	82.5-187.5	0.1962E-05	75	0-105	0.5099E-04	90-195	0.3588E-04

$r_2/r_1 = 0.30$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0227$ $\cosh \mu_2 = 33.2575$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.55$

0-15.00	0.8969E-04	-7.5 TO 7.5	0.7042E-06	82.5- 97.5	0.7026E-06	0	0- 15	0.7176E-06	90-105	0.7176E-06
15-30.00	0.2630E-03	-7.5 TO 7.5	0.6481E-06	82.5- 97.5	0.6448E-06	15	0- 15	0.6900E-06	90-105	0.6875E-06
30-45.00	0.4483E-03	-7.5 TO 7.5	0.5411E-06	82.5- 97.5	0.5368E-06	30	0- 15	0.6063E-06	90-105	0.6019E-06
45-60.00	0.5452E-03	-7.5 TO 7.5	0.3960E-06	82.5- 97.5	0.3915E-06	45	0- 15	0.4768E-06	90-105	0.4717E-06
60-75.00	0.6345E-03	-7.5 TO 7.5	0.2284E-06	82.5- 97.5	0.2248E-06	60	0- 15	0.3167E-06	90-105	0.3119E-06
75-87.99	0.3852E-03	-7.5 TO 7.5	0.6673E-07	82.5- 97.5	0.6456E-07	75	0- 15	0.1423E-06	90-105	0.1389E-06
0-15.00	0.1754E-03	-7.5 TO 22.5	0.7042E-06	82.5-112.5	0.7024E-06	0	0- 30	0.1435E-05	90-120	0.1435E-05
15-30.00	0.5255E-03	-7.5 TO 22.5	0.6481E-06	82.5-112.5	0.6444E-06	15	0- 30	0.1380E-05	90-120	0.1374E-05
30-45.00	0.8361E-03	-7.5 TO 22.5	0.5411E-06	82.5-112.5	0.5362E-06	30	0- 30	0.1212E-05	90-120	0.1203E-05
45-60.00	0.1050E-02	-7.5 TO 22.5	0.3959E-06	82.5-112.5	0.3909E-06	45	0- 30	0.9534E-06	90-120	0.9421E-06
60-75.00	0.1270E-02	-7.5 TO 22.5	0.2284E-06	82.5-112.5	0.2243E-06	60	0- 30	0.6331E-06	90-120	0.6228E-06
75-87.99	0.1178E-02	-7.5 TO 22.5	0.6670E-07	82.5-112.5	0.6429E-07	75	0- 30	0.2843E-06	90-120	0.2771E-06
0-15.00	0.2631E-03	-7.5 TO 37.5	0.7041E-06	82.5-127.5	0.7022E-06	0	0- 45	0.2153E-05	90-135	0.2153E-05
15-30.00	0.7886E-03	-7.5 TO 37.5	0.6479E-06	82.5-127.5	0.6440E-06	15	0- 45	0.2070E-05	90-135	0.2061E-05
30-45.00	0.1255E-02	-7.5 TO 37.5	0.5409E-06	82.5-127.5	0.5356E-06	30	0- 45	0.1818E-05	90-135	0.1803E-05
45-60.00	0.1634E-02	-7.5 TO 37.5	0.3957E-06	82.5-127.5	0.3904E-06	45	0- 45	0.1429E-05	90-135	0.1412E-05
60-75.00	0.1905E-02	-7.5 TO 37.5	0.2282E-06	82.5-127.5	0.2239E-06	60	0- 45	0.9489E-06	90-135	0.9328E-06
75-87.99	0.1767E-02	-7.5 TO 37.5	0.6661E-07	82.5-127.5	0.6402E-07	75	0- 45	0.4260E-06	90-135	0.4145E-06
0-15.00	0.3508E-03	-7.5 TO 52.5	0.7040E-06	82.5-142.5	0.7021E-06	0	0- 60	0.2870E-05	90-150	0.2870E-05
15-30.00	0.1052E-02	-7.5 TO 52.5	0.6477E-06	82.5-142.5	0.6436E-06	15	0- 60	0.2759E-05	90-150	0.2747E-05
30-45.00	0.1673E-02	-7.5 TO 52.5	0.5406E-06	82.5-142.5	0.5351E-06	30	0- 60	0.2423E-05	90-150	0.2402E-05
45-60.00	0.2181E-02	-7.5 TO 52.5	0.3954E-06	82.5-142.5	0.3898E-06	45	0- 60	0.1904E-05	90-150	0.1880E-05
60-75.00	0.2539E-02	-7.5 TO 52.5	0.2280E-06	82.5-142.5	0.2235E-06	60	0- 60	0.1266E-05	90-150	0.1242E-05
75-87.99	0.2357E-02	-7.5 TO 52.5	0.6648E-07	82.5-142.5	0.6378E-07	75	0- 60	0.5671E-06	90-150	0.5515E-06
0-15.00	0.4385E-03	-7.5 TO 67.5	0.7039E-06	82.5-157.5	0.7019E-06	0	0- 75	0.3588E-05	90-165	0.3588E-05
15-30.00	0.1315E-02	-7.5 TO 67.5	0.6475E-06	82.5-157.5	0.6433E-06	15	0- 75	0.3447E-05	90-165	0.3432E-05
30-45.00	0.2092E-02	-7.5 TO 67.5	0.5403E-06	82.5-157.5	0.5347E-06	30	0- 75	0.3027E-05	90-165	0.3001E-05
45-60.00	0.2726E-02	-7.5 TO 67.5	0.3951E-06	82.5-157.5	0.3894E-06	45	0- 75	0.2378E-05	90-165	0.2348E-05
60-75.00	0.3174E-02	-7.5 TO 67.5	0.2277E-06	82.5-157.5	0.2231E-06	60	0- 75	0.1578E-05	90-165	0.1551E-05
75-87.99	0.2946E-02	-7.5 TO 67.5	0.6632E-07	82.5-157.5	0.6356E-07	75	0- 75	0.7076E-06	90-165	0.6880E-06
0-15.00	0.5362E-03	-7.5 TO 82.5	0.7037E-06	82.5-172.5	0.7018E-06	0	0- 90	0.4305E-05	90-180	0.4305E-05
15-30.00	0.1578E-02	-7.5 TO 82.5	0.6472E-06	82.5-172.5	0.6430E-06	15	0- 90	0.4135E-05	90-180	0.4118E-05
30-45.00	0.2511E-02	-7.5 TO 82.5	0.5399E-06	82.5-172.5	0.5343E-06	30	0- 90	0.3629E-05	90-180	0.3599E-05
45-60.00	0.3271E-02	-7.5 TO 82.5	0.3947E-06	82.5-172.5	0.3890E-06	45	0- 90	0.2851E-05	90-180	0.2816E-05
60-75.00	0.3809E-02	-7.5 TO 82.5	0.2274E-06	82.5-172.5	0.2228E-06	60	0- 90	0.1891E-05	90-180	0.1859E-05
75-87.99	0.3535E-02	-7.5 TO 82.5	0.6612E-07	82.5-172.5	0.6339E-07	75	0- 90	0.8472E-06	90-180	0.8244E-06
0-15.00	0.6279E-03	-7.5 TO 97.5	0.7036E-06	82.5-187.5	0.7017E-06	0	0-105	0.5023E-05	90-195	0.5023E-05
15-30.00	0.1841E-02	-7.5 TO 97.5	0.6469E-06	82.5-187.5	0.6428E-06	15	0-105	0.4823E-05	90-195	0.4803E-05
30-45.00	0.2928E-02	-7.5 TO 97.5	0.5394E-06	82.5-187.5	0.5341E-06	30	0-105	0.4231E-05	90-195	0.4198E-05
45-60.00	0.3814E-02	-7.5 TO 97.5	0.3942E-06	82.5-187.5	0.3887E-06	45	0-105	0.3323E-05	90-195	0.3284E-05
60-75.00	0.4444E-02	-7.5 TO 97.5	0.2270E-06	82.5-187.5	0.2224E-06	60	0-105	0.2203E-05	90-195	0.2167E-05
75-87.99	0.4124E-02	-7.5 TO 97.5	0.6590E-07	82.5-187.5	0.6325E-07	75	0-105	0.9861E-06	90-195	0.9607E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

r_2/r_1 = 0.30 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0227 $\cosh \mu_2$ = 33.2575 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 149.13

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8965E-04	-7.5 TO 7.5	0.2625E-05	82.5- 97.5	0.2614E-05	0	0- 15	0.2669E-05	90-105	0.2669E-05
15-30.00	0.2630E-03	-7.5 TO 7.5	0.2423E-05	82.5- 97.5	0.2399E-05	15	0- 15	0.2576E-05	90-105	0.2556E-05
30-45.00	0.4163E-03	-7.5 TO 7.5	0.2030E-05	82.5- 97.5	0.1997E-05	30	0- 15	0.2270E-05	90-105	0.2237E-05
45-60.00	0.5452E-03	-7.5 TO 7.5	0.1490E-05	82.5- 97.5	0.1456E-05	45	0- 15	0.1791E-05	90-105	0.1752E-05
60-75.00	0.6349E-03	-7.5 TO 7.5	0.8636E-06	82.5- 97.5	0.8364E-06	60	0- 15	0.1194E-05	90-105	0.1159E-05
75-87.99	0.5852E-03	-7.5 TO 7.5	0.2563E-06	82.5- 97.5	0.2403E-06	75	0- 15	0.5404E-06	90-105	0.5155E-06
0-15.00	0.1754E-03	-7.5 TO 22.5	0.2625E-05	82.5-112.5	0.2612E-05	0	0- 30	0.5339E-05	90-120	0.5339E-05
15-30.00	0.5255E-03	-7.5 TO 22.5	0.2423E-05	82.5-112.5	0.2396E-05	15	0- 30	0.5150E-05	90-120	0.5108E-05
30-45.00	0.8367E-03	-7.5 TO 22.5	0.2029E-05	82.5-112.5	0.1993E-05	30	0- 30	0.4539E-05	90-120	0.4467E-05
45-60.00	0.1090E-02	-7.5 TO 22.5	0.1490E-05	82.5-112.5	0.1452E-05	45	0- 30	0.3580E-05	90-120	0.3496E-05
60-75.00	0.1270E-02	-7.5 TO 22.5	0.8631E-06	82.5-112.5	0.8329E-06	60	0- 30	0.2386E-05	90-120	0.2309E-05
75-87.99	0.1178E-02	-7.5 TO 22.5	0.2560E-06	82.5-112.5	0.2383E-06	75	0- 30	0.1079E-05	90-120	0.1025E-05
0-15.00	0.2651E-03	-7.5 TO 37.5	0.2625E-05	82.5-127.5	0.2611E-05	0	0- 45	0.8008E-05	90-135	0.8008E-05
15-30.00	0.7889E-03	-7.5 TO 37.5	0.2422E-05	82.5-127.5	0.2393E-05	15	0- 45	0.7722E-05	90-135	0.7656E-05
30-45.00	0.1255E-02	-7.5 TO 37.5	0.2028E-05	82.5-127.5	0.1989E-05	30	0- 45	0.6803E-05	90-135	0.6690E-05
45-60.00	0.1636E-02	-7.5 TO 37.5	0.1488E-05	82.5-127.5	0.1448E-05	45	0- 45	0.5365E-05	90-135	0.5232E-05
60-75.00	0.1905E-02	-7.5 TO 37.5	0.8620E-06	82.5-127.5	0.8296E-06	60	0- 45	0.3573E-05	90-135	0.3453E-05
75-87.99	0.1767E-02	-7.5 TO 37.5	0.2554E-06	82.5-127.5	0.2363E-06	75	0- 45	0.1615E-05	90-135	0.1530E-05
0-15.00	0.3564E-03	-7.5 TO 52.5	0.2624E-05	82.5-142.5	0.2610E-05	0	0- 60	0.1068E-04	90-150	0.1068E-04
15-30.00	0.1052E-02	-7.5 TO 52.5	0.2421E-05	82.5-142.5	0.2390E-05	15	0- 60	0.1029E-04	90-150	0.1020E-04
30-45.00	0.1673E-02	-7.5 TO 52.5	0.2026E-05	82.5-142.5	0.1985E-05	30	0- 60	0.9062E-05	90-150	0.8907E-05
45-60.00	0.2181E-02	-7.5 TO 52.5	0.1486E-05	82.5-142.5	0.1444E-05	45	0- 60	0.7143E-05	90-150	0.6962E-05
60-75.00	0.2539E-02	-7.5 TO 52.5	0.8604E-06	82.5-142.5	0.8266E-06	60	0- 60	0.4775E-05	90-150	0.4591E-05
75-87.99	0.2357E-02	-7.5 TO 52.5	0.2544E-06	82.5-142.5	0.2346E-06	75	0- 60	0.2147E-05	90-150	0.2031E-05
0-15.00	0.4485E-03	-7.5 TO 67.5	0.2623E-05	82.5-157.5	0.2608E-05	0	0- 75	0.1335E-04	90-165	0.1335E-04
15-30.00	0.1315E-02	-7.5 TO 67.5	0.2419E-05	82.5-157.5	0.2387E-05	15	0- 75	0.1286E-04	90-165	0.1274E-04
30-45.00	0.2092E-02	-7.5 TO 67.5	0.2023E-05	82.5-157.5	0.1982E-05	30	0- 75	0.1131E-04	90-165	0.1112E-04
45-60.00	0.2726E-02	-7.5 TO 67.5	0.1484E-05	82.5-157.5	0.1441E-05	45	0- 75	0.8913E-05	90-165	0.8687E-05
60-75.00	0.3174E-02	-7.5 TO 67.5	0.8583E-06	82.5-157.5	0.8239E-06	60	0- 75	0.5930E-05	90-165	0.5725E-05
75-87.99	0.2946E-02	-7.5 TO 67.5	0.2532E-06	82.5-157.5	0.2330E-06	75	0- 75	0.2674E-05	90-165	0.2530E-05
0-15.00	0.5362E-03	-7.5 TO 82.5	0.2622E-05	82.5-172.5	0.2607E-05	0	0- 90	0.1602E-04	90-180	0.1602E-04
15-30.00	0.1578E-02	-7.5 TO 82.5	0.2416E-05	82.5-172.5	0.2385E-05	15	0- 90	0.1542E-04	90-180	0.1529E-04
30-45.00	0.2510E-02	-7.5 TO 82.5	0.2020E-05	82.5-172.5	0.1979E-05	30	0- 90	0.1356E-04	90-180	0.1333E-04
45-60.00	0.3271E-02	-7.5 TO 82.5	0.1481E-05	82.5-172.5	0.1438E-05	45	0- 90	0.1067E-04	90-180	0.1041E-04
60-75.00	0.3809E-02	-7.5 TO 82.5	0.8558E-06	82.5-172.5	0.8217E-06	60	0- 90	0.7097E-05	90-180	0.6856E-05
75-87.99	0.3535E-02	-7.5 TO 82.5	0.2517E-06	82.5-172.5	0.2317E-06	75	0- 90	0.3195E-05	90-180	0.3027E-05
0-15.00	0.6275E-03	-7.5 TO 97.5	0.2621E-05	82.5-187.5	0.2607E-05	0	0-105	0.1869E-04	90-195	0.1869E-04
15-30.00	0.1841E-02	-7.5 TO 97.5	0.2414E-05	82.5-187.5	0.2384E-05	15	0-105	0.1797E-04	90-195	0.1783E-04
30-45.00	0.2928E-02	-7.5 TO 97.5	0.2017E-05	82.5-187.5	0.1977E-05	30	0-105	0.1580E-04	90-195	0.1554E-04
45-60.00	0.3816E-02	-7.5 TO 97.5	0.1477E-05	82.5-187.5	0.1436E-05	45	0-105	0.1243E-04	90-195	0.1213E-04
60-75.00	0.4444E-02	-7.5 TO 97.5	0.8530E-06	82.5-187.5	0.8200E-06	60	0-105	0.8255E-05	90-195	0.7988E-05
75-87.99	0.4124E-02	-7.5 TO 97.5	0.2501E-06	82.5-187.5	0.2308E-06	75	0-105	0.3710E-05	90-195	0.3523E-05

r_2/r_1 = 0.30 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0227 $\cosh \mu_2$ = 33.2575 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 133.77

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8965E-04	-7.5 TO 7.5	0.5236E-05	82.5- 97.5	0.5201E-05	0	0- 15	0.5311E-05	90-105	0.5311E-05
15-30.00	0.2630E-03	-7.5 TO 7.5	0.4848E-05	82.5- 97.5	0.4773E-05	15	0- 15	0.5143E-05	90-105	0.5084E-05
30-45.00	0.4163E-03	-7.5 TO 7.5	0.4074E-05	82.5- 97.5	0.3973E-05	30	0- 15	0.4549E-05	90-105	0.4447E-05
45-60.00	0.5452E-03	-7.5 TO 7.5	0.3000E-05	82.5- 97.5	0.2899E-05	45	0- 15	0.3601E-05	90-105	0.3483E-05
60-75.00	0.6349E-03	-7.5 TO 7.5	0.1746E-05	82.5- 97.5	0.1665E-05	60	0- 15	0.2408E-05	90-105	0.2302E-05
75-87.99	0.5852E-03	-7.5 TO 7.5	0.5252E-06	82.5- 97.5	0.4785E-06	75	0- 15	0.1097E-05	90-105	0.1023E-05
0-15.00	0.1754E-03	-7.5 TO 22.5	0.5236E-05	82.5-112.5	0.5196E-05	0	0- 30	0.1062E-04	90-120	0.1062E-04
15-30.00	0.5255E-03	-7.5 TO 22.5	0.4847E-05	82.5-112.5	0.4764E-05	15	0- 30	0.1028E-04	90-120	0.1015E-04
30-45.00	0.8367E-03	-7.5 TO 22.5	0.4072E-05	82.5-112.5	0.3961E-05	30	0- 30	0.9092E-05	90-120	0.8872E-05
45-60.00	0.1090E-02	-7.5 TO 22.5	0.2999E-05	82.5-112.5	0.2885E-05	45	0- 30	0.7195E-05	90-120	0.6939E-05
60-75.00	0.1270E-02	-7.5 TO 22.5	0.1745E-05	82.5-112.5	0.1654E-05	60	0- 30	0.4810E-05	90-120	0.4580E-05
75-87.99	0.1178E-02	-7.5 TO 22.5	0.5244E-06	82.5-112.5	0.4726E-06	75	0- 30	0.2190E-05	90-120	0.2031E-05
0-15.00	0.2651E-03	-7.5 TO 37.5	0.5234E-05	82.5-127.5	0.5192E-05	0	0- 45	0.1593E-04	90-135	0.1593E-04
15-30.00	0.7889E-03	-7.5 TO 37.5	0.4844E-05	82.5-127.5	0.4754E-05	15	0- 45	0.1541E-04	90-135	0.1521E-04
30-45.00	0.1255E-02	-7.5 TO 37.5	0.4068E-05	82.5-127.5	0.3948E-05	30	0- 45	0.1362E-04	90-135	0.1328E-04
45-60.00	0.1636E-02	-7.5 TO 37.5	0.2995E-05	82.5-127.5	0.2873E-05	45	0- 45	0.1077E-04	90-135	0.1037E-04
60-75.00	0.1905E-02	-7.5 TO 37.5	0.1742E-05	82.5-127.5	0.1645E-05	60	0- 45	0.7200E-05	90-135	0.6836E-05
75-87.99	0.1767E-02	-7.5 TO 37.5	0.5225E-06	82.5-127.5	0.4671E-06	75	0- 45	0.3274E-05	90-135	0.3023E-05
0-15.00	0.3588E-03	-7.5 TO 52.5	0.5232E-05	82.5-142.5	0.5188E-05	0	0- 60	0.2124E-04	90-150	0.2124E-04
15-30.00	0.1052E-02	-7.5 TO 52.5	0.4840E-05	82.5-142.5	0.4746E-05	15	0- 60	0.2054E-04	90-150	0.2026E-04
30-45.00	0.1673E-02	-7.5 TO 52.5	0.4062E-05	82.5-142.5	0.3937E-05	30	0- 60	0.1814E-04	90-150	0.1766E-04
45-60.00	0.2181E-02	-7.5 TO 52.5	0.2989E-05	82.5-142.5	0.2862E-05	45	0- 60	0.1433E-04	90-150	0.1379E-04
60-75.00	0.2539E-02	-7.5 TO 52.5	0.1737E-05	82.5-142.5	0.1636E-05	60	0- 60	0.9571E-05	90-150	0.9076E-05
75-87.99	0.2357E-02	-7.5 TO 52.5	0.5197E-06	82.5-142.5	0.4620E-06	75	0- 60	0.4346E-05	90-150	0.4004E-05
0-15.00	0.4485E-03	-7.5 TO 67.5	0.5230E-05	82.5-157.5	0.5184E-05	0	0- 75	0.2656E-04	90-165	0.2656E-04
15-30.00	0.1315E-02	-7.5 TO 67.5	0.4834E-05	82.5-157.5	0.4738E-05	15	0- 75	0.2565E-04	90-165	0.2531E-04
30-45.00	0.2092E-02	-7.5 TO 67.5	0.4055E-05	82.5-157.5	0.3927E-05	30	0- 75	0.2263E-04	90-165	0.2204E-04
45-60.00	0.2726E-02	-7.5 TO 67.5	0.2981E-05	82.5-157.5	0.2852E-05	45	0- 75	0.1787E-04	90-165	0.1719E-04
60-75.00	0.3174E-02	-7.5 TO 67.5	0.1730E-05	82.5-157.5	0.1628E-05	60	0- 75	0.1192E-04	90-165	0.1130E-04
75-87.99	0.2946E-02	-7.5 TO 67.5	0.5161E-06	82.5-157.5	0.4575E-06	75	0- 75	0.5402E-05	90-165	0.4977E-05
0-15.00	0.5362E-03	-7.5 TO 82.5	0.5226E-05	82.5-172.5	0.5181E-05	0	0- 90	0.3187E-04	90-180	0.3187E-04
15-30.00	0.1578E-02	-7.5 TO 82.5	0.4827E-05	82.5-172.5	0.4732E-05	15	0- 90	0.3075E-04	90-180	0.3034E-04
30-45.00	0.2510E-02	-7.5 TO 82.5	0.4045E-05	82.5-172.5	0.3919E-05	30	0- 90	0.2710E-04	90-180	0.2641E-04
45-60.00	0.3271E-02	-7.5 TO 82.5	0.2971E-05	82.5-172.5	0.2843E-05	45	0- 90	0.2138E-04	90-180	0.2058E-04
60-75.00	0.3809E-02	-7.5 TO 82.5	0.1723E-05	82.5-172.5	0.1621E-05	60	0- 90	0.1425E-04	90-180	0.1353E-04
75-87.99	0.3535E-02	-7.5 TO 82.5	0.5118E-06	82.5-172.5	0.4539E-06	75	0- 90	0.6443E-05	90-180	0.5946E-05
0-15.00	0.6275E-03	-7.5 TO 97.5	0.5223E-05	82.5-187.5	0.5179E-05	0	0-105	0.3718E-04	90-195	0.3718E-04
15-30.00	0.1841E-02	-7.5 TO 97.5	0.4819E-05	82.5-187.5	0.4727E-05	15	0-105	0.3583E-04	90-195	0.3538E-04
30-45.00	0.2928E-02	-7.5 TO 97.5	0.4035E-05	82.5-187.5	0.3912E-05	30	0-105	0.3155E-04	90-195	0.3078E-04
45-60.00	0.3816E-02	-7.5 TO 97.5	0.2961E-05	82.5-187.5	0.2837E-05	45	0-105	0.2486E-04	90-195	0.2397E-04
60-75.00	0.4444E-02	-7.5 TO 97.5	0.1715E-05	82.5-187.5	0.1616E-05	60	0-105	0.1655E-04	90-195	0.1575E-04
75-87.99	0.4124E-02	-7.5 TO 97.5	0.5070E-06	82.5-187.5	0.4510E-06	75	0-105	0.7466E-05	90-195	0.6915E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

r_2/r_1 = 0.30 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0227 $\cosh \mu_2$ = 33.2575 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 118.50

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.6956E-04	-7.5 TO 7.5	0.7823E-05	82.5- 97.5	0.7749E-05	0	0- 15	0.7914E-05	90-105	0.7914E-05
15-30.00	0.2636E-03	-7.5 TO 7.5	0.7268E-05	82.5- 97.5	0.7113E-05	15	0- 15	0.7693E-05	90-105	0.7572E-05
30-45.00	0.4183E-03	-7.5 TO 7.5	0.6128E-05	82.5- 97.5	0.5921E-05	30	0- 15	0.6830E-05	90-105	0.6620E-05
45-60.00	0.5452E-03	-7.5 TO 7.5	0.4528E-05	82.5- 97.5	0.4320E-05	45	0- 15	0.5425E-05	90-105	0.5182E-05
60-75.00	0.6349E-03	-7.5 TO 7.5	0.2645E-05	82.5- 97.5	0.2482E-05	60	0- 15	0.3641E-05	90-105	0.3424E-05
75-87.99	0.6852E-03	-7.5 TO 7.5	0.8039E-06	82.5- 97.5	0.7136E-06	75	0- 15	0.1668E-05	90-105	0.1522E-05
0-15.00	0.1794E-03	-7.5 TO 22.5	0.7822E-05	82.5-112.5	0.7740E-05	0	0- 30	0.1583E-04	90-120	0.1583E-04
15-30.00	0.5259E-03	-7.5 TO 22.5	0.7265E-05	82.5-112.5	0.7093E-05	15	0- 30	0.1538E-04	90-120	0.1512E-04
30-45.00	0.8367E-03	-7.5 TO 22.5	0.6124E-05	82.5-112.5	0.5895E-05	30	0- 30	0.1365E-04	90-120	0.1319E-04
45-60.00	0.1090E-02	-7.5 TO 22.5	0.4524E-05	82.5-112.5	0.4293E-05	45	0- 30	0.1084E-04	90-120	0.1031E-04
60-75.00	0.1270E-02	-7.5 TO 22.5	0.2642E-05	82.5-112.5	0.2461E-05	60	0- 30	0.7268E-05	90-120	0.6800E-05
75-87.99	0.1178E-02	-7.5 TO 22.5	0.8023E-06	82.5-112.5	0.7024E-06	75	0- 30	0.3326E-05	90-120	0.3012E-05
0-15.00	0.2691E-03	-7.5 TO 37.5	0.7819E-05	82.5-127.5	0.7731E-05	0	0- 45	0.2374E-04	90-135	0.2374E-04
15-30.00	0.7889E-03	-7.5 TO 37.5	0.7259E-05	82.5-127.5	0.7074E-05	15	0- 45	0.2305E-04	90-135	0.2264E-04
30-45.00	0.1255E-02	-7.5 TO 37.5	0.6116E-05	82.5-127.5	0.5870E-05	30	0- 45	0.2044E-04	90-135	0.1973E-04
45-60.00	0.1634E-02	-7.5 TO 37.5	0.4516E-05	82.5-127.5	0.4268E-05	45	0- 45	0.1622E-04	90-135	0.1539E-04
60-75.00	0.1905E-02	-7.5 TO 37.5	0.2636E-05	82.5-127.5	0.2441E-05	60	0- 45	0.1087E-04	90-135	0.1013E-04
75-87.99	0.1767E-02	-7.5 TO 37.5	0.7987E-06	82.5-127.5	0.6918E-06	75	0- 45	0.4968E-05	90-135	0.4474E-05
0-15.00	0.3588E-03	-7.5 TO 52.5	0.7814E-05	82.5-142.5	0.7723E-05	0	0- 60	0.3166E-04	90-150	0.3166E-04
15-30.00	0.1052E-02	-7.5 TO 52.5	0.7250E-05	82.5-142.5	0.7056E-05	15	0- 60	0.3070E-04	90-150	0.3014E-04
30-45.00	0.1673E-02	-7.5 TO 52.5	0.6104E-05	82.5-142.5	0.5847E-05	30	0- 60	0.2720E-04	90-150	0.2622E-04
45-60.00	0.2181E-02	-7.5 TO 52.5	0.4504E-05	82.5-142.5	0.4245E-05	45	0- 60	0.2156E-04	90-150	0.2043E-04
60-75.00	0.2539E-02	-7.5 TO 52.5	0.2626E-05	82.5-142.5	0.2423E-05	60	0- 60	0.1444E-04	90-150	0.1343E-04
75-87.99	0.2357E-02	-7.5 TO 52.5	0.7932E-06	82.5-142.5	0.6821E-06	75	0- 60	0.6585E-05	90-150	0.5913E-05
0-15.00	0.4485E-03	-7.5 TO 67.5	0.7809E-05	82.5-157.5	0.7715E-05	0	0- 75	0.3957E-04	90-165	0.3957E-04
15-30.00	0.1315E-02	-7.5 TO 67.5	0.7238E-05	82.5-157.5	0.7041E-05	15	0- 75	0.3833E-04	90-165	0.3762E-04
30-45.00	0.2052E-02	-7.5 TO 67.5	0.6088E-05	82.5-157.5	0.5826E-05	30	0- 75	0.3392E-04	90-165	0.3270E-04
45-60.00	0.2726E-02	-7.5 TO 67.5	0.4488E-05	82.5-157.5	0.4225E-05	45	0- 75	0.2685E-04	90-165	0.2545E-04
60-75.00	0.3174E-02	-7.5 TO 67.5	0.2613E-05	82.5-157.5	0.2408E-05	60	0- 75	0.1796E-04	90-165	0.1671E-04
75-87.99	0.2946E-02	-7.5 TO 67.5	0.7862E-06	82.5-157.5	0.6737E-06	75	0- 75	0.8172E-05	90-165	0.7336E-05
0-15.00	0.5382E-03	-7.5 TO 82.5	0.7802E-05	82.5-172.5	0.7709E-05	0	0- 90	0.4748E-04	90-180	0.4748E-04
15-30.00	0.1578E-02	-7.5 TO 82.5	0.7224E-05	82.5-172.5	0.7028E-05	15	0- 90	0.4593E-04	90-180	0.4510E-04
30-45.00	0.2514E-02	-7.5 TO 82.5	0.6069E-05	82.5-172.5	0.5809E-05	30	0- 90	0.4058E-04	90-180	0.3916E-04
45-60.00	0.3271E-02	-7.5 TO 82.5	0.4496E-05	82.5-172.5	0.4208E-05	45	0- 90	0.3209E-04	90-180	0.3045E-04
60-75.00	0.3809E-02	-7.5 TO 82.5	0.2598E-05	82.5-172.5	0.2395E-05	60	0- 90	0.2143E-04	90-180	0.1997E-04
75-87.99	0.3535E-02	-7.5 TO 82.5	0.7779E-06	82.5-172.5	0.6668E-06	75	0- 90	0.9727E-05	90-180	0.8752E-05
0-15.00	0.6279E-03	-7.5 TO 97.5	0.7795E-05	82.5-187.5	0.7705E-05	0	0-105	0.5540E-04	90-195	0.5540E-04
15-30.00	0.1841E-02	-7.5 TO 97.5	0.7208E-05	82.5-187.5	0.7018E-05	15	0-105	0.5350E-04	90-195	0.5258E-04
30-45.00	0.2928E-02	-7.5 TO 97.5	0.6048E-05	82.5-187.5	0.5796E-05	30	0-105	0.4720E-04	90-195	0.4562E-04
45-60.00	0.3816E-02	-7.5 TO 97.5	0.4447E-05	82.5-187.5	0.4195E-05	45	0-105	0.3727E-04	90-195	0.3545E-04
60-75.00	0.4444E-02	-7.5 TO 97.5	0.2581E-05	82.5-187.5	0.2385E-05	60	0-105	0.2486E-04	90-195	0.2323E-04
75-87.99	0.4124E-02	-7.5 TO 97.5	0.7687E-06	82.5-187.5	0.6614E-06	75	0-105	0.1125E-04	90-195	0.1017E-04

r_2/r_1 = 0.30 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0227 $\cosh \mu_2$ = 33.2575 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 103.33

0-15.00	0.6956E-04	-7.5 TO 7.5	0.9687E-05	82.5- 97.5	0.9567E-05	0	0- 15	0.9769E-05	90-105	0.9769E-05
15-30.00	0.2636E-03	-7.5 TO 7.5	0.9035E-05	82.5- 97.5	0.8781E-05	15	0- 15	0.9561E-05	90-105	0.9341E-05
30-45.00	0.4183E-03	-7.5 TO 7.5	0.7648E-05	82.5- 97.5	0.7311E-05	30	0- 15	0.8507E-05	90-105	0.8165E-05
45-60.00	0.5452E-03	-7.5 TO 7.5	0.5670E-05	82.5- 97.5	0.5334E-05	45	0- 15	0.6782E-05	90-105	0.6388E-05
60-75.00	0.6349E-03	-7.5 TO 7.5	0.3323E-05	82.5- 97.5	0.3065E-05	60	0- 15	0.4567E-05	90-105	0.4219E-05
75-87.99	0.6852E-03	-7.5 TO 7.5	0.1017E-05	82.5- 97.5	0.8817E-06	75	0- 15	0.2101E-05	90-105	0.1875E-05
0-15.00	0.1794E-03	-7.5 TO 22.5	0.9685E-05	82.5-112.5	0.9551E-05	0	0- 30	0.1954E-04	90-120	0.1954E-04
15-30.00	0.5259E-03	-7.5 TO 22.5	0.9031E-05	82.5-112.5	0.8748E-05	15	0- 30	0.1907E-04	90-120	0.1864E-04
30-45.00	0.8367E-03	-7.5 TO 22.5	0.7642E-05	82.5-112.5	0.7267E-05	30	0- 30	0.1699E-04	90-120	0.1625E-04
45-60.00	0.1090E-02	-7.5 TO 22.5	0.5665E-05	82.5-112.5	0.5291E-05	45	0- 30	0.1354E-04	90-120	0.1269E-04
60-75.00	0.1270E-02	-7.5 TO 22.5	0.3319E-05	82.5-112.5	0.3032E-05	60	0- 30	0.9112E-05	90-120	0.8362E-05
75-87.99	0.1178E-02	-7.5 TO 22.5	0.1015E-05	82.5-112.5	0.8650E-06	75	0- 30	0.4187E-05	90-120	0.3700E-05
0-15.00	0.2691E-03	-7.5 TO 37.5	0.9680E-05	82.5-127.5	0.9536E-05	0	0- 45	0.2931E-04	90-135	0.2931E-04
15-30.00	0.7889E-03	-7.5 TO 37.5	0.9021E-05	82.5-127.5	0.8717E-05	15	0- 45	0.2858E-04	90-135	0.2789E-04
30-45.00	0.1255E-02	-7.5 TO 37.5	0.7629E-05	82.5-127.5	0.7226E-05	30	0- 45	0.2544E-04	90-135	0.2427E-04
45-60.00	0.1636E-02	-7.5 TO 37.5	0.5651E-05	82.5-127.5	0.5251E-05	45	0- 45	0.2025E-04	90-135	0.1891E-04
60-75.00	0.1905E-02	-7.5 TO 37.5	0.3309E-05	82.5-127.5	0.3001E-05	60	0- 45	0.1362E-04	90-135	0.1244E-04
75-87.99	0.1767E-02	-7.5 TO 37.5	0.1009E-05	82.5-127.5	0.8494E-06	75	0- 45	0.6247E-05	90-135	0.5483E-05
0-15.00	0.3588E-03	-7.5 TO 52.5	0.9673E-05	82.5-142.5	0.9522E-05	0	0- 60	0.3908E-04	90-150	0.3908E-04
15-30.00	0.1052E-02	-7.5 TO 52.5	0.9006E-05	82.5-142.5	0.8688E-05	15	0- 60	0.3805E-04	90-150	0.3712E-04
30-45.00	0.1673E-02	-7.5 TO 52.5	0.7609E-05	82.5-142.5	0.7189E-05	30	0- 60	0.3383E-04	90-150	0.3223E-04
45-60.00	0.2181E-02	-7.5 TO 52.5	0.5631E-05	82.5-142.5	0.5213E-05	45	0- 60	0.2690E-04	90-150	0.2507E-04
60-75.00	0.2539E-02	-7.5 TO 52.5	0.3293E-05	82.5-142.5	0.2973E-05	60	0- 60	0.1806E-04	90-150	0.1646E-04
75-87.99	0.2357E-02	-7.5 TO 52.5	0.1001E-05	82.5-142.5	0.8352E-06	75	0- 60	0.8268E-05	90-150	0.7232E-05
0-15.00	0.4485E-03	-7.5 TO 67.5	0.9664E-05	82.5-157.5	0.9510E-05	0	0- 75	0.4885E-04	90-165	0.4885E-04
15-30.00	0.1315E-02	-7.5 TO 67.5	0.8986E-05	82.5-157.5	0.8663E-05	15	0- 75	0.4748E-04	90-165	0.4632E-04
30-45.00	0.2052E-02	-7.5 TO 67.5	0.7583E-05	82.5-157.5	0.7156E-05	30	0- 75	0.4215E-04	90-165	0.4016E-04
45-60.00	0.2726E-02	-7.5 TO 67.5	0.5605E-05	82.5-157.5	0.5181E-05	45	0- 75	0.3347E-04	90-165	0.3118E-04
60-75.00	0.3174E-02	-7.5 TO 67.5	0.3273E-05	82.5-157.5	0.2949E-05	60	0- 75	0.2244E-04	90-165	0.2044E-04
75-87.99	0.2946E-02	-7.5 TO 67.5	0.9906E-06	82.5-157.5	0.8228E-06	75	0- 75	0.1024E-04	90-165	0.8956E-05
0-15.00	0.5382E-03	-7.5 TO 82.5	0.9653E-05	82.5-172.5	0.9500E-05	0	0- 90	0.5862E-04	90-180	0.5862E-04
15-30.00	0.1578E-02	-7.5 TO 82.5	0.8963E-05	82.5-172.5	0.8642E-05	15	0- 90	0.5687E-04	90-180	0.5551E-04
30-45.00	0.2514E-02	-7.5 TO 82.5	0.7552E-05	82.5-172.5	0.7128E-05	30	0- 90	0.5039E-04	90-180	0.4806E-04
45-60.00	0.3271E-02	-7.5 TO 82.5	0.5574E-05	82.5-172.5	0.5154E-05	45	0- 90	0.3995E-04	90-180	0.3728E-04
60-75.00	0.3809E-02	-7.5 TO 82.5	0.3249E-05	82.5-172.5	0.2928E-05	60	0- 90	0.2674E-04	90-180	0.2440E-04
75-87.99	0.3535E-02	-7.5 TO 82.5	0.9781E-06	82.5-172.5	0.8126E-06	75	0- 90	0.1217E-04	90-180	0.1067E-04
0-15.00	0.6279E-03	-7.5 TO 97.5	0.9641E-05	82.5-187.5	0.9493E-05	0	0-105	0.6839E-04	90-195	0.6839E-04
15-30.00	0.1841E-02	-7.5 TO 97.5	0.8937E-05	82.5-187.5	0.8626E-05	15	0-105	0.6621E-04	90-195	0.6470E-04
30-45.00	0.2928E-02	-7.5 TO 97.5	0.7517E-05	82.5-187.5	0.7107E-05	30	0-105	0.5856E-04	90-195	0.5596E-04
45-60.00	0.3816E-02	-7.5 TO 97.5	0.5540E-05	82.5-187.5	0.5133E-05	45	0-105	0.4633E-04	90-195	0.4337E-04
60-75.00	0.4444E-02	-7.5 TO 97.5	0.3223E-05	82.5-187.5	0.2912E-05	60	0-105	0.3096E-04	90-195	0.2836E-04
75-87.99	0.4124E-02	-7.5 TO 97.5	0.9643E-06	82.5-187.5	0.8047E-06	75	0-105	0.1404E-04	90-195	0.1238E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0227$ $\cosh \mu_2 = 33.2575$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 88.28$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8969E-04	-7.5 TO 7.5	0.1034E-04	82.5- 97.5	0.1017E-04	0	0- 15	0.1039E-04	90-105	0.1039E-04
15-30.00	0.2630E-03	-7.5 TO 7.5	0.9692E-05	82.5- 97.5	0.9337E-05	15	0- 15	0.1020E-04	90-105	0.9925E-05
30-45.00	0.4183E-03	-7.5 TO 7.5	0.8244E-05	82.5- 97.5	0.7774E-05	30	0- 15	0.9148E-05	90-105	0.8669E-05
45-60.00	0.5452E-03	-7.5 TO 7.5	0.6137E-05	82.5- 97.5	0.5673E-05	45	0- 15	0.7326E-05	90-105	0.6779E-05
60-75.00	0.6345E-03	-7.5 TO 7.5	0.3608E-05	82.5- 97.5	0.3260E-05	60	0- 15	0.4950E-05	90-105	0.4476E-05
75-87.99	0.6892E-03	-7.5 TO 7.5	0.1108E-05	82.5- 97.5	0.9380E-06	75	0- 15	0.2284E-05	90-105	0.1988E-05
0-15.00	0.1754E-03	-7.5 TO 22.5	0.1034E-04	82.5-112.5	0.1015E-04	0	0- 30	0.2078E-04	90-120	0.2078E-04
15-30.00	0.5259E-03	-7.5 TO 22.5	0.9686E-05	82.5-112.5	0.9292E-05	15	0- 30	0.2039E-04	90-120	0.1979E-04
30-45.00	0.8367E-03	-7.5 TO 22.5	0.8236E-05	82.5-112.5	0.7715E-05	30	0- 30	0.1827E-04	90-120	0.1723E-04
45-60.00	0.1090E-02	-7.5 TO 22.5	0.6129E-05	82.5-112.5	0.5615E-05	45	0- 30	0.1462E-04	90-120	0.1344E-04
60-75.00	0.1270E-02	-7.5 TO 22.5	0.3601E-05	82.5-112.5	0.3217E-05	60	0- 30	0.9871E-05	90-120	0.8851E-05
75-87.99	0.1378E-02	-7.5 TO 22.5	0.1105E-05	82.5-112.5	0.9177E-06	75	0- 30	0.4549E-05	90-120	0.3915E-05
0-15.00	0.2691E-03	-7.5 TO 37.5	0.1033E-04	82.5-127.5	0.1013E-04	0	0- 45	0.3116E-04	90-135	0.3116E-04
15-30.00	0.7885E-03	-7.5 TO 37.5	0.9672E-05	82.5-127.5	0.9249E-05	15	0- 45	0.3054E-04	90-135	0.2960E-04
30-45.00	0.1255E-02	-7.5 TO 37.5	0.8217E-05	82.5-127.5	0.7659E-05	30	0- 45	0.2733E-04	90-135	0.2570E-04
45-60.00	0.1636E-02	-7.5 TO 37.5	0.6110E-05	82.5-127.5	0.5561E-05	45	0- 45	0.2185E-04	90-135	0.2000E-04
60-75.00	0.1905E-02	-7.5 TO 37.5	0.3588E-05	82.5-127.5	0.3177E-05	60	0- 45	0.1474E-04	90-135	0.1314E-04
75-87.99	0.1767E-02	-7.5 TO 37.5	0.1098E-05	82.5-127.5	0.8987E-06	75	0- 45	0.6778E-05	90-135	0.5788E-05
0-15.00	0.3568E-03	-7.5 TO 52.5	0.1032E-04	82.5-142.5	0.1011E-04	0	0- 60	0.4155E-04	90-150	0.4155E-04
15-30.00	0.1052E-02	-7.5 TO 52.5	0.9651E-05	82.5-142.5	0.9210E-05	15	0- 60	0.4065E-04	90-150	0.3936E-04
30-45.00	0.1673E-02	-7.5 TO 52.5	0.8189E-05	82.5-142.5	0.7608E-05	30	0- 60	0.3631E-04	90-150	0.3410E-04
45-60.00	0.2181E-02	-7.5 TO 52.5	0.6082E-05	82.5-142.5	0.5511E-05	45	0- 60	0.2898E-04	90-150	0.2647E-04
60-75.00	0.2539E-02	-7.5 TO 52.5	0.3567E-05	82.5-142.5	0.3140E-05	60	0- 60	0.1952E-04	90-150	0.1735E-04
75-87.99	0.2357E-02	-7.5 TO 52.5	0.1088E-05	82.5-142.5	0.8816E-06	75	0- 60	0.8958E-05	90-150	0.7618E-05
0-15.00	0.4485E-03	-7.5 TO 67.5	0.1031E-04	82.5-157.5	0.1009E-04	0	0- 75	0.5194E-04	90-165	0.5194E-04
15-30.00	0.1315E-02	-7.5 TO 67.5	0.9623E-05	82.5-157.5	0.9176E-05	15	0- 75	0.5070E-04	90-165	0.4909E-04
30-45.00	0.2092E-02	-7.5 TO 67.5	0.8153E-05	82.5-157.5	0.7564E-05	30	0- 75	0.4520E-04	90-165	0.4244E-04
45-60.00	0.2726E-02	-7.5 TO 67.5	0.6046E-05	82.5-157.5	0.5468E-05	45	0- 75	0.3601E-04	90-165	0.3288E-04
60-75.00	0.3174E-02	-7.5 TO 67.5	0.3539E-05	82.5-157.5	0.3109E-05	60	0- 75	0.2421E-04	90-165	0.2152E-04
75-87.99	0.2946E-02	-7.5 TO 67.5	0.1074E-05	82.5-157.5	0.8667E-06	75	0- 75	0.1108E-04	90-165	0.9418E-05
0-15.00	0.5382E-03	-7.5 TO 82.5	0.1029E-04	82.5-172.5	0.1008E-04	0	0- 90	0.6233E-04	90-180	0.6233E-04
15-30.00	0.1578E-02	-7.5 TO 82.5	0.9591E-05	82.5-172.5	0.9147E-05	15	0- 90	0.6069E-04	90-180	0.5881E-04
30-45.00	0.2510E-02	-7.5 TO 82.5	0.8110E-05	82.5-172.5	0.7527E-05	30	0- 90	0.5397E-04	90-180	0.5076E-04
45-60.00	0.3271E-02	-7.5 TO 82.5	0.6004E-05	82.5-172.5	0.5432E-05	45	0- 90	0.4291E-04	90-180	0.3927E-04
60-75.00	0.3809E-02	-7.5 TO 82.5	0.3507E-05	82.5-172.5	0.3082E-05	60	0- 90	0.2879E-04	90-180	0.2566E-04
75-87.99	0.3535E-02	-7.5 TO 82.5	0.1059E-05	82.5-172.5	0.8545E-06	75	0- 90	0.1313E-04	90-180	0.1120E-04
0-15.00	0.6275E-03	-7.5 TO 97.5	0.1028E-04	82.5-187.5	0.1007E-04	0	0-105	0.7271E-04	90-195	0.7271E-04
15-30.00	0.1841E-02	-7.5 TO 97.5	0.9555E-05	82.5-187.5	0.9125E-05	15	0-105	0.7062E-04	90-195	0.6853E-04
30-45.00	0.2928E-02	-7.5 TO 97.5	0.8062E-05	82.5-187.5	0.7498E-05	30	0-105	0.6264E-04	90-195	0.5907E-04
45-60.00	0.3816E-02	-7.5 TO 97.5	0.5956E-05	82.5-187.5	0.5404E-05	45	0-105	0.4969E-04	90-195	0.4565E-04
60-75.00	0.4444E-02	-7.5 TO 97.5	0.3472E-05	82.5-187.5	0.3062E-05	60	0-105	0.3327E-04	90-195	0.2980E-04
75-87.99	0.4124E-02	-7.5 TO 97.5	0.1042E-05	82.5-187.5	0.8451E-06	75	0-105	0.1512E-04	90-195	0.1299E-04

$r_2/r_1 = 0.30$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0227$ $\cosh \mu_2 = 33.2575$ $\alpha_{2,max} = 92.01$ $\theta_{2,min} = 86.27$

0-15.00	0.8969E-04	-7.5 TO 7.5	0.1034E-04	82.5- 97.5	0.1017E-04	0	0- 15	0.1039E-04	90-105	0.1039E-04
15-30.00	0.2630E-03	-7.5 TO 7.5	0.9693E-05	82.5- 97.5	0.9337E-05	15	0- 15	0.1020E-04	90-105	0.9925E-05
30-45.00	0.4183E-03	-7.5 TO 7.5	0.8246E-05	82.5- 97.5	0.7774E-05	30	0- 15	0.9149E-05	90-105	0.8669E-05
45-60.00	0.5452E-03	-7.5 TO 7.5	0.6140E-05	82.5- 97.5	0.5673E-05	45	0- 15	0.7329E-05	90-105	0.6779E-05
60-75.00	0.6345E-03	-7.5 TO 7.5	0.3611E-05	82.5- 97.5	0.3260E-05	60	0- 15	0.4954E-05	90-105	0.4476E-05
75-87.99	0.6892E-03	-7.5 TO 7.5	0.1110E-05	82.5- 97.5	0.9380E-06	75	0- 15	0.2286E-05	90-105	0.1988E-05
0-15.00	0.1754E-03	-7.5 TO 22.5	0.1034E-04	82.5-112.5	0.1015E-04	0	0- 30	0.2078E-04	90-120	0.2078E-04
15-30.00	0.5259E-03	-7.5 TO 22.5	0.9687E-05	82.5-112.5	0.9292E-05	15	0- 30	0.2039E-04	90-120	0.1979E-04
30-45.00	0.8367E-03	-7.5 TO 22.5	0.8238E-05	82.5-112.5	0.7715E-05	30	0- 30	0.1827E-04	90-120	0.1723E-04
45-60.00	0.1090E-02	-7.5 TO 22.5	0.6132E-05	82.5-112.5	0.5615E-05	45	0- 30	0.1462E-04	90-120	0.1344E-04
60-75.00	0.1270E-02	-7.5 TO 22.5	0.3605E-05	82.5-112.5	0.3217E-05	60	0- 30	0.9878E-05	90-120	0.8851E-05
75-87.99	0.1378E-02	-7.5 TO 22.5	0.1106E-05	82.5-112.5	0.9177E-06	75	0- 30	0.4553E-05	90-120	0.3915E-05
0-15.00	0.2691E-03	-7.5 TO 37.5	0.1033E-04	82.5-127.5	0.1013E-04	0	0- 45	0.3116E-04	90-135	0.3116E-04
15-30.00	0.7889E-03	-7.5 TO 37.5	0.9672E-05	82.5-127.5	0.9249E-05	15	0- 45	0.3054E-04	90-135	0.2960E-04
30-45.00	0.1255E-02	-7.5 TO 37.5	0.8219E-05	82.5-127.5	0.7659E-05	30	0- 45	0.2733E-04	90-135	0.2570E-04
45-60.00	0.1636E-02	-7.5 TO 37.5	0.6113E-05	82.5-127.5	0.5561E-05	45	0- 45	0.2185E-04	90-135	0.2000E-04
60-75.00	0.1905E-02	-7.5 TO 37.5	0.3590E-05	82.5-127.5	0.3177E-05	60	0- 45	0.1474E-04	90-135	0.1314E-04
75-87.99	0.1767E-02	-7.5 TO 37.5	0.1099E-05	82.5-127.5	0.8987E-06	75	0- 45	0.6784E-05	90-135	0.5788E-05
0-15.00	0.3568E-03	-7.5 TO 52.5	0.1032E-04	82.5-142.5	0.1011E-04	0	0- 60	0.4155E-04	90-150	0.4155E-04
15-30.00	0.1052E-02	-7.5 TO 52.5	0.9651E-05	82.5-142.5	0.9210E-05	15	0- 60	0.4065E-04	90-150	0.3936E-04
30-45.00	0.1673E-02	-7.5 TO 52.5	0.8191E-05	82.5-142.5	0.7608E-05	30	0- 60	0.3631E-04	90-150	0.3410E-04
45-60.00	0.2181E-02	-7.5 TO 52.5	0.6085E-05	82.5-142.5	0.5511E-05	45	0- 60	0.2899E-04	90-150	0.2647E-04
60-75.00	0.2539E-02	-7.5 TO 52.5	0.3569E-05	82.5-142.5	0.3140E-05	60	0- 60	0.1953E-04	90-150	0.1735E-04
75-87.99	0.2357E-02	-7.5 TO 52.5	0.1089E-05	82.5-142.5	0.8816E-06	75	0- 60	0.8964E-05	90-150	0.7618E-05
0-15.00	0.4485E-03	-7.5 TO 67.5	0.1031E-04	82.5-157.5	0.1009E-04	0	0- 75	0.5194E-04	90-165	0.5194E-04
15-30.00	0.1315E-02	-7.5 TO 67.5	0.9624E-05	82.5-157.5	0.9176E-05	15	0- 75	0.5070E-04	90-165	0.4909E-04
30-45.00	0.2092E-02	-7.5 TO 67.5	0.8154E-05	82.5-157.5	0.7564E-05	30	0- 75	0.4520E-04	90-165	0.4244E-04
45-60.00	0.2726E-02	-7.5 TO 67.5	0.6048E-05	82.5-157.5	0.5468E-05	45	0- 75	0.3602E-04	90-165	0.3288E-04
60-75.00	0.3174E-02	-7.5 TO 67.5	0.3541E-05	82.5-157.5	0.3109E-05	60	0- 75	0.2422E-04	90-165	0.2152E-04
75-87.99	0.2946E-02	-7.5 TO 67.5	0.1075E-05	82.5-157.5	0.8667E-06	75	0- 75	0.1108E-04	90-165	0.9418E-05
0-15.00	0.5382E-03	-7.5 TO 82.5	0.1029E-04	82.5-172.5	0.1008E-04	0	0- 90	0.6233E-04	90-180	0.6233E-04
15-30.00	0.1578E-02	-7.5 TO 82.5	0.9591E-05	82.5-172.5	0.9147E-05	15	0- 90	0.6069E-04	90-180	0.5881E-04
30-45.00	0.2510E-02	-7.5 TO 82.5	0.8111E-05	82.5-172.5	0.7527E-05	30	0- 90	0.5398E-04	90-180	0.5076E-04
45-60.00	0.3271E-02	-7.5 TO 82.5	0.6005E-05	82.5-172.5	0.5432E-05	45	0- 90	0.4292E-04	90-180	0.3927E-04
60-75.00	0.3809E-02	-7.5 TO 82.5	0.3509E-05	82.5-172.5	0.3082E-05	60	0- 90	0.2880E-04	90-180	0.2566E-04
75-87.99	0.3535E-02	-7.5 TO 82.5	0.1059E-05	82.5-172.5	0.8545E-06	75	0- 90	0.1314E-04	90-180	0.1120E-04
0-15.00	0.6275E-03	-7.5 TO 97.5	0.1028E-04	82.5-187.5	0.1007E-04	0	0-105	0.7271E-04	90-195	0.7271E-04
15-30.00	0.1841E-02	-7.5 TO 97.5	0.9555E-05	82.5-187.5	0.9125E-05	15	0-105	0.7062E-04	90-195	0.6853E-04
30-45.00	0.2928E-02	-7.5 TO 97.5	0.8063E-05	82.5-187.5	0.7498E-05	30	0-105	0.6264E-04	90-195	0.5907E-04
45-60.00	0.3816E-02	-7.5 TO 97.5	0.5958E-05	82.5-187.5	0.5404E-05	45	0-105	0.4970E-04	90-195	0.4565E-04
60-75.00	0.4444E-02	-7.5 TO 97.5	0.3473E-05	82.5-187.5	0.3062E-05	60	0-105	0.3328E-04	90-195	0.2980E-04
75-87.99	0.4124E-02	-7.5 TO 97.5	0.1042E-05	82.5-187.5	0.8451E-06	75	0-105	0.1513E-04	90-195	0.1299E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0091$ $\cosh \mu_2 = 83.3030$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.82$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.1040E-06	82.5- 97.5	0.1039E-06	0	0- 15	0.1059E-06	90-105	0.1059E-06
15-30.00	0.4188E-04	-7.5 TO 7.5	0.9647E-07	82.5- 97.5	0.9629E-07	15	0- 15	0.1021E-06	90-105	0.1020E-06
30-45.00	0.6663E-04	-7.5 TO 7.5	0.8197E-07	82.5- 97.5	0.8172E-07	30	0- 15	0.9085E-07	90-105	0.9060E-07
45-60.00	0.8683E-04	-7.5 TO 7.5	0.6178E-07	82.5- 97.5	0.6152E-07	45	0- 15	0.7314E-07	90-105	0.7284E-07
60-75.00	0.1011E-03	-7.5 TO 7.5	0.3760E-07	82.5- 97.5	0.3738E-07	60	0- 15	0.5051E-07	90-105	0.5022E-07
75-89.20	0.1062E-03	-7.5 TO 7.5	0.1213E-07	82.5- 97.5	0.1199E-07	75	0- 15	0.2482E-07	90-105	0.2460E-07
0-15.00	0.2857E-04	-7.5 TO 22.5	0.1040E-06	82.5-112.5	0.1039E-06	0	0- 30	0.2117E-06	90-120	0.2117E-06
15-30.00	0.8377E-04	-7.5 TO 22.5	0.9647E-07	82.5-112.5	0.9626E-07	15	0- 30	0.2042E-06	90-120	0.2039E-06
30-45.00	0.1333E-03	-7.5 TO 22.5	0.8197E-07	82.5-112.5	0.8169E-07	30	0- 30	0.1817E-06	90-120	0.1811E-06
45-60.00	0.1737E-03	-7.5 TO 22.5	0.6177E-07	82.5-112.5	0.6148E-07	45	0- 30	0.1463E-06	90-120	0.1456E-06
60-75.00	0.2022E-03	-7.5 TO 22.5	0.3760E-07	82.5-112.5	0.3735E-07	60	0- 30	0.1010E-06	90-120	0.1004E-06
75-89.20	0.2053E-03	-7.5 TO 22.5	0.1213E-07	82.5-112.5	0.1198E-07	75	0- 30	0.4962E-07	90-120	0.4916E-07
0-15.00	0.4286E-04	-7.5 TO 37.5	0.1040E-06	82.5-127.5	0.1039E-06	0	0- 45	0.3176E-06	90-135	0.3176E-06
15-30.00	0.1256E-03	-7.5 TO 37.5	0.9646E-07	82.5-127.5	0.9624E-07	15	0- 45	0.3063E-06	90-135	0.3058E-06
30-45.00	0.1999E-03	-7.5 TO 37.5	0.8196E-07	82.5-127.5	0.8166E-07	30	0- 45	0.2725E-06	90-135	0.2716E-06
45-60.00	0.2605E-03	-7.5 TO 37.5	0.6176E-07	82.5-127.5	0.6145E-07	45	0- 45	0.2193E-06	90-135	0.2183E-06
60-75.00	0.3033E-03	-7.5 TO 37.5	0.3759E-07	82.5-127.5	0.3732E-07	60	0- 45	0.1514E-06	90-135	0.1505E-06
75-89.20	0.3079E-03	-7.5 TO 37.5	0.1213E-07	82.5-127.5	0.1196E-07	75	0- 45	0.7440E-07	90-135	0.7368E-07
0-15.00	0.5714E-04	-7.5 TO 52.5	0.1040E-06	82.5-142.5	0.1039E-06	0	0- 60	0.4235E-06	90-150	0.4235E-06
15-30.00	0.1675E-03	-7.5 TO 52.5	0.9645E-07	82.5-142.5	0.9622E-07	15	0- 60	0.4083E-06	90-150	0.4076E-06
30-45.00	0.2665E-03	-7.5 TO 52.5	0.8194E-07	82.5-142.5	0.8163E-07	30	0- 60	0.3633E-06	90-150	0.3621E-06
45-60.00	0.3473E-03	-7.5 TO 52.5	0.6175E-07	82.5-142.5	0.6142E-07	45	0- 60	0.2924E-06	90-150	0.2910E-06
60-75.00	0.4045E-03	-7.5 TO 52.5	0.3758E-07	82.5-142.5	0.3730E-07	60	0- 60	0.2019E-06	90-150	0.2005E-06
75-89.20	0.4106E-03	-7.5 TO 52.5	0.1212E-07	82.5-142.5	0.1194E-07	75	0- 60	0.9915E-07	90-150	0.9815E-07
0-15.00	0.7143E-04	-7.5 TO 67.5	0.1040E-06	82.5-157.5	0.1039E-06	0	0- 75	0.5294E-06	90-165	0.5294E-06
15-30.00	0.2094E-03	-7.5 TO 67.5	0.9644E-07	82.5-157.5	0.9620E-07	15	0- 75	0.5103E-06	90-165	0.5095E-06
30-45.00	0.3331E-03	-7.5 TO 67.5	0.8192E-07	82.5-157.5	0.8160E-07	30	0- 75	0.4540E-06	90-165	0.4525E-06
45-60.00	0.4341E-03	-7.5 TO 67.5	0.6173E-07	82.5-157.5	0.6139E-07	45	0- 75	0.3654E-06	90-165	0.3636E-06
60-75.00	0.5056E-03	-7.5 TO 67.5	0.3756E-07	82.5-157.5	0.3727E-07	60	0- 75	0.2522E-06	90-165	0.2505E-06
75-89.20	0.5132E-03	-7.5 TO 67.5	0.1211E-07	82.5-157.5	0.1193E-07	75	0- 75	0.1239E-06	90-165	0.1226E-06
0-15.00	0.8571E-04	-7.5 TO 82.5	0.1040E-06	82.5-172.5	0.1039E-06	0	0- 90	0.6352E-06	90-180	0.6352E-06
15-30.00	0.2513E-03	-7.5 TO 82.5	0.9642E-07	82.5-172.5	0.9619E-07	15	0- 90	0.6123E-06	90-180	0.6113E-06
30-45.00	0.3998E-03	-7.5 TO 82.5	0.8190E-07	82.5-172.5	0.8158E-07	30	0- 90	0.5446E-06	90-180	0.5429E-06
45-60.00	0.5210E-03	-7.5 TO 82.5	0.6170E-07	82.5-172.5	0.6137E-07	45	0- 90	0.4383E-06	90-180	0.4362E-06
60-75.00	0.6067E-03	-7.5 TO 82.5	0.3754E-07	82.5-172.5	0.3726E-07	60	0- 90	0.3025E-06	90-180	0.3006E-06
75-89.20	0.6158E-03	-7.5 TO 82.5	0.1209E-07	82.5-172.5	0.1192E-07	75	0- 90	0.1485E-06	90-180	0.1471E-06
0-15.00	0.1000E-03	-7.5 TO 97.5	0.1040E-06	82.5-187.5	0.1039E-06	0	0-105	0.7411E-06	90-195	0.7411E-06
15-30.00	0.2932E-03	-7.5 TO 97.5	0.9640E-07	82.5-187.5	0.9618E-07	15	0-105	0.7143E-06	90-195	0.7132E-06
30-45.00	0.4664E-03	-7.5 TO 97.5	0.8187E-07	82.5-187.5	0.8157E-07	30	0-105	0.6352E-06	90-195	0.6333E-06
45-60.00	0.6078E-03	-7.5 TO 97.5	0.6168E-07	82.5-187.5	0.6135E-07	45	0-105	0.5111E-06	90-195	0.5088E-06
60-75.00	0.7076E-03	-7.5 TO 97.5	0.3752E-07	82.5-187.5	0.3724E-07	60	0-105	0.3527E-06	90-195	0.3506E-06
75-89.20	0.7185E-03	-7.5 TO 97.5	0.1208E-07	82.5-187.5	0.1191E-07	75	0-105	0.1731E-06	90-195	0.1715E-06

$r_2/r_1 = 0.30$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0091$ $\cosh \mu_2 = 83.3030$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 149.65$

0-15.00	0.1429E-04	-7.5 TO 7.5	0.3880E-06	82.5- 97.5	0.3874E-06	0	0- 15	0.3946E-06	90-105	0.3946E-06
15-30.00	0.4188E-04	-7.5 TO 7.5	0.3603E-06	82.5- 97.5	0.3589E-06	15	0- 15	0.3810E-06	90-105	0.3800E-06
30-45.00	0.6663E-04	-7.5 TO 7.5	0.3065E-06	82.5- 97.5	0.3044E-06	30	0- 15	0.3395E-06	90-105	0.3376E-06
45-60.00	0.8683E-04	-7.5 TO 7.5	0.2313E-06	82.5- 97.5	0.2293E-06	45	0- 15	0.2736E-06	90-105	0.2714E-06
60-75.00	0.1011E-03	-7.5 TO 7.5	0.1410E-06	82.5- 97.5	0.1393E-06	60	0- 15	0.1892E-06	90-105	0.1871E-06
75-89.20	0.1062E-03	-7.5 TO 7.5	0.4573E-07	82.5- 97.5	0.4471E-07	75	0- 15	0.9321E-07	90-105	0.9162E-07
0-15.00	0.2857E-04	-7.5 TO 22.5	0.3880E-06	82.5-112.5	0.3873E-06	0	0- 30	0.7893E-06	90-120	0.7893E-06
15-30.00	0.8377E-04	-7.5 TO 22.5	0.3603E-06	82.5-112.5	0.3587E-06	15	0- 30	0.7620E-06	90-120	0.7597E-06
30-45.00	0.1333E-03	-7.5 TO 22.5	0.3065E-06	82.5-112.5	0.3044E-06	30	0- 30	0.6788E-06	90-120	0.6748E-06
45-60.00	0.1737E-03	-7.5 TO 22.5	0.2312E-06	82.5-112.5	0.2290E-06	45	0- 30	0.5471E-06	90-120	0.5422E-06
60-75.00	0.2022E-03	-7.5 TO 22.5	0.1410E-06	82.5-112.5	0.1391E-06	60	0- 30	0.3783E-06	90-120	0.3737E-06
75-89.20	0.2053E-03	-7.5 TO 22.5	0.4571E-07	82.5-112.5	0.4458E-07	75	0- 30	0.1863E-06	90-120	0.1829E-06
0-15.00	0.4286E-04	-7.5 TO 37.5	0.3880E-06	82.5-127.5	0.3872E-06	0	0- 45	0.1184E-05	90-135	0.1184E-05
15-30.00	0.1256E-03	-7.5 TO 37.5	0.3602E-06	82.5-127.5	0.3586E-06	15	0- 45	0.1143E-05	90-135	0.1139E-05
30-45.00	0.1999E-03	-7.5 TO 37.5	0.3064E-06	82.5-127.5	0.3041E-06	30	0- 45	0.1018E-05	90-135	0.1012E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.2312E-06	82.5-127.5	0.2288E-06	45	0- 45	0.8203E-06	90-135	0.8126E-06
60-75.00	0.3033E-03	-7.5 TO 37.5	0.1409E-06	82.5-127.5	0.1389E-06	60	0- 45	0.5671E-06	90-135	0.5598E-06
75-89.20	0.3079E-03	-7.5 TO 37.5	0.4567E-07	82.5-127.5	0.4445E-07	75	0- 45	0.2793E-06	90-135	0.2738E-06
0-15.00	0.5714E-04	-7.5 TO 52.5	0.3879E-06	82.5-142.5	0.3871E-06	0	0- 60	0.1579E-05	90-150	0.1579E-05
15-30.00	0.1675E-03	-7.5 TO 52.5	0.3601E-06	82.5-142.5	0.3584E-06	15	0- 60	0.1524E-05	90-150	0.1519E-05
30-45.00	0.2665E-03	-7.5 TO 52.5	0.3063E-06	82.5-142.5	0.3039E-06	30	0- 60	0.1357E-05	90-150	0.1348E-05
45-60.00	0.3473E-03	-7.5 TO 52.5	0.2311E-06	82.5-142.5	0.2286E-06	45	0- 60	0.1093E-05	90-150	0.1083E-05
60-75.00	0.4045E-03	-7.5 TO 52.5	0.1408E-06	82.5-142.5	0.1387E-06	60	0- 60	0.7556E-06	90-150	0.7457E-06
75-89.20	0.4106E-03	-7.5 TO 52.5	0.4561E-07	82.5-142.5	0.4434E-07	75	0- 60	0.3719E-06	90-150	0.3645E-06
0-15.00	0.7143E-04	-7.5 TO 67.5	0.3879E-06	82.5-157.5	0.3871E-06	0	0- 75	0.1973E-05	90-165	0.1973E-05
15-30.00	0.2094E-03	-7.5 TO 67.5	0.3600E-06	82.5-157.5	0.3583E-06	15	0- 75	0.1904E-05	90-165	0.1898E-05
30-45.00	0.3331E-03	-7.5 TO 67.5	0.3061E-06	82.5-157.5	0.3037E-06	30	0- 75	0.1695E-05	90-165	0.1684E-05
45-60.00	0.4341E-03	-7.5 TO 67.5	0.2309E-06	82.5-157.5	0.2284E-06	45	0- 75	0.1366E-05	90-165	0.1352E-05
60-75.00	0.5056E-03	-7.5 TO 67.5	0.1407E-06	82.5-157.5	0.1386E-06	60	0- 75	0.9436E-06	90-165	0.9312E-06
75-89.20	0.5132E-03	-7.5 TO 67.5	0.4553E-07	82.5-157.5	0.4424E-07	75	0- 75	0.4643E-06	90-165	0.4551E-06
0-15.00	0.8571E-04	-7.5 TO 82.5	0.3878E-06	82.5-172.5	0.3870E-06	0	0- 90	0.2368E-05	90-180	0.2368E-05
15-30.00	0.2513E-03	-7.5 TO 82.5	0.3599E-06	82.5-172.5	0.3582E-06	15	0- 90	0.2284E-05	90-180	0.2277E-05
30-45.00	0.3998E-03	-7.5 TO 82.5	0.3060E-06	82.5-172.5	0.3036E-06	30	0- 90	0.2033E-05	90-180	0.2020E-05
45-60.00	0.5210E-03	-7.5 TO 82.5	0.2307E-06	82.5-172.5	0.2282E-06	45	0- 90	0.1638E-05	90-180	0.1622E-05
60-75.00	0.6067E-03	-7.5 TO 82.5	0.1405E-06	82.5-172.5	0.1384E-06	60	0- 90	0.1131E-05	90-180	0.1117E-05
75-89.20	0.6158E-03	-7.5 TO 82.5	0.4544E-07	82.5-172.5	0.4415E-07	75	0- 90	0.5563E-06	90-180	0.5455E-06
0-15.00	0.1000E-03	-7.5 TO 97.5	0.3877E-06	82.5-187.5	0.3870E-06	0	0-105	0.2762E-05	90-195	0.2762E-05
15-30.00	0.2932E-03	-7.5 TO 97.5	0.3598E-06	82.5-187.5	0.3581E-06	15	0-105	0.2664E-05	90-195	0.2656E-05
30-45.00	0.4664E-03	-7.5 TO 97.5	0.3058E-06	82.5-187.5	0.3035E-06	30	0-105	0.2371E-05	90-195	0.2357E-05
45-60.00	0.6078E-03	-7.5 TO 97.5	0.2305E-06	82.5-187.5	0.2281E-06	45	0-105	0.1909E-05	90-195	0.1892E-05
60-75.00	0.7076E-03	-7.5 TO 97.5	0.1404E-06	82.5-187.5	0.1383E-06	60	0-105	0.1318E-05	90-195	0.1302E-05
75-89.20	0.7185E-03	-7.5 TO 97.5	0.4534E-07	82.5-187.5	0.4409E-07	75	0-105	0.6479E-06	90-195	0.6359E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0091$ $\cosh \mu_2 = 83.3030$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 134.51$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1425E-04	-7.5 TO 7.5	0.7752E-06	82.5- 97.5	0.7732E-06	0	0- 15	0.7877E-06	90-105	0.7877E-06
15-30.00	0.4188E-04	-7.5 TO 7.5	0.7206E-06	82.5- 97.5	0.7164E-06	15	0- 15	0.7616E-06	90-105	0.7583E-06
30-45.00	0.6663E-04	-7.5 TO 7.5	0.6138E-06	82.5- 97.5	0.6080E-06	30	0- 15	0.6794E-06	90-105	0.6736E-06
45-60.00	0.8663E-04	-7.5 TO 7.5	0.4637E-06	82.5- 97.5	0.4577E-06	45	0- 15	0.5483E-06	90-105	0.5414E-06
60-75.00	0.1011E-03	-7.5 TO 7.5	0.2832E-06	82.5- 97.5	0.2781E-06	60	0- 15	0.3796E-06	90-105	0.3732E-06
75-89.20	0.1062E-03	-7.5 TO 7.5	0.9225E-07	82.5- 97.5	0.8925E-07	75	0- 15	0.1874E-06	90-105	0.1827E-06
0-15.00	0.2857E-04	-7.5 TO 22.5	0.7751E-06	82.5-112.5	0.7729E-06	0	0- 30	0.1575E-05	90-120	0.1575E-05
15-30.00	0.8377E-04	-7.5 TO 22.5	0.7206E-06	82.5-112.5	0.7159E-06	15	0- 30	0.1523E-05	90-120	0.1516E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.6137E-06	82.5-112.5	0.6073E-06	30	0- 30	0.1358E-05	90-120	0.1346E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.4636E-06	82.5-112.5	0.4569E-06	45	0- 30	0.1096E-05	90-120	0.1081E-05
60-75.00	0.2022E-03	-7.5 TO 22.5	0.2831E-06	82.5-112.5	0.2775E-06	60	0- 30	0.7589E-06	90-120	0.7449E-06
75-89.20	0.2053E-03	-7.5 TO 22.5	0.9220E-07	82.5-112.5	0.8887E-07	75	0- 30	0.3746E-06	90-120	0.3644E-06
0-15.00	0.4266E-04	-7.5 TO 37.5	0.7751E-06	82.5-127.5	0.7727E-06	0	0- 45	0.2363E-05	90-135	0.2363E-05
15-30.00	0.1256E-03	-7.5 TO 37.5	0.7204E-06	82.5-127.5	0.7153E-06	15	0- 45	0.2284E-05	90-135	0.2273E-05
30-45.00	0.1955E-03	-7.5 TO 37.5	0.6135E-06	82.5-127.5	0.6066E-06	30	0- 45	0.2037E-05	90-135	0.2017E-05
45-60.00	0.2609E-03	-7.5 TO 37.5	0.4634E-06	82.5-127.5	0.4562E-06	45	0- 45	0.1643E-05	90-135	0.1620E-05
60-75.00	0.3033E-03	-7.5 TO 37.5	0.2829E-06	82.5-127.5	0.2769E-06	60	0- 45	0.1137E-05	90-135	0.1115E-05
75-89.20	0.3079E-03	-7.5 TO 37.5	0.9208E-07	82.5-127.5	0.8850E-07	75	0- 45	0.5612E-06	90-135	0.5451E-06
0-15.00	0.5714E-04	-7.5 TO 52.5	0.7749E-06	82.5-142.5	0.7725E-06	0	0- 60	0.3151E-05	90-150	0.3151E-05
15-30.00	0.1675E-03	-7.5 TO 52.5	0.7202E-06	82.5-142.5	0.7149E-06	15	0- 60	0.3044E-05	90-150	0.3029E-05
30-45.00	0.2665E-03	-7.5 TO 52.5	0.6131E-06	82.5-142.5	0.6059E-06	30	0- 60	0.2714E-05	90-150	0.2687E-05
45-60.00	0.3473E-03	-7.5 TO 52.5	0.4630E-06	82.5-142.5	0.4555E-06	45	0- 60	0.2189E-05	90-150	0.2157E-05
60-75.00	0.4045E-03	-7.5 TO 52.5	0.2826E-06	82.5-142.5	0.2763E-06	60	0- 60	0.1515E-05	90-150	0.1485E-05
75-89.20	0.4106E-03	-7.5 TO 52.5	0.9190E-07	82.5-142.5	0.8817E-07	75	0- 60	0.7470E-06	90-150	0.7251E-06
0-15.00	0.7143E-04	-7.5 TO 67.5	0.7748E-06	82.5-157.5	0.7723E-06	0	0- 75	0.3939E-05	90-165	0.3939E-05
15-30.00	0.2094E-03	-7.5 TO 67.5	0.7198E-06	82.5-157.5	0.7144E-06	15	0- 75	0.3804E-05	90-165	0.3785E-05
30-45.00	0.3331E-03	-7.5 TO 67.5	0.6127E-06	82.5-157.5	0.6054E-06	30	0- 75	0.3391E-05	90-165	0.3357E-05
45-60.00	0.4341E-03	-7.5 TO 67.5	0.4626E-06	82.5-157.5	0.4549E-06	45	0- 75	0.2734E-05	90-165	0.2694E-05
60-75.00	0.5056E-03	-7.5 TO 67.5	0.2822E-06	82.5-157.5	0.2758E-06	60	0- 75	0.1891E-05	90-165	0.1853E-05
75-89.20	0.5132E-03	-7.5 TO 67.5	0.9167E-07	82.5-157.5	0.8788E-07	75	0- 75	0.9319E-06	90-165	0.9045E-06
0-15.00	0.8571E-04	-7.5 TO 82.5	0.7746E-06	82.5-172.5	0.7721E-06	0	0- 90	0.4726E-05	90-180	0.4726E-05
15-30.00	0.2513E-03	-7.5 TO 82.5	0.7194E-06	82.5-172.5	0.7141E-06	15	0- 90	0.4563E-05	90-180	0.4541E-05
30-45.00	0.3998E-03	-7.5 TO 82.5	0.6122E-06	82.5-172.5	0.6049E-06	30	0- 90	0.4066E-05	90-180	0.4026E-05
45-60.00	0.5210E-03	-7.5 TO 82.5	0.4620E-06	82.5-172.5	0.4544E-06	45	0- 90	0.3277E-05	90-180	0.3230E-05
60-75.00	0.6067E-03	-7.5 TO 82.5	0.2817E-06	82.5-172.5	0.2754E-06	60	0- 90	0.2266E-05	90-180	0.2222E-05
75-89.20	0.6158E-03	-7.5 TO 82.5	0.9140E-07	82.5-172.5	0.8763E-07	75	0- 90	0.1116E-05	90-180	0.1084E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.7744E-06	82.5-187.5	0.7720E-06	0	0-105	0.5514E-05	90-195	0.5514E-05
15-30.00	0.2932E-03	-7.5 TO 97.5	0.7190E-06	82.5-187.5	0.7138E-06	15	0-105	0.5322E-05	90-195	0.5297E-05
30-45.00	0.4664E-03	-7.5 TO 97.5	0.6116E-06	82.5-187.5	0.6045E-06	30	0-105	0.4739E-05	90-195	0.4695E-05
45-60.00	0.6078E-03	-7.5 TO 97.5	0.4614E-06	82.5-187.5	0.4540E-06	45	0-105	0.3818E-05	90-195	0.3766E-05
60-75.00	0.7078E-03	-7.5 TO 97.5	0.2812E-06	82.5-187.5	0.2751E-06	60	0-105	0.2639E-05	90-195	0.2590E-05
75-89.20	0.7185E-03	-7.5 TO 97.5	0.9109E-07	82.5-187.5	0.8744E-07	75	0-105	0.1298E-05	90-195	0.1263E-05

$r_2/r_1 = 0.30$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0091$ $\cosh \mu_2 = 83.3030$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 119.40$

0-15.00	0.1425E-04	-7.5 TO 7.5	0.1161E-05	82.5- 97.5	0.1157E-05	0	0- 15	0.1179E-05	90-105	0.1179E-05
15-30.00	0.4188E-04	-7.5 TO 7.5	0.1081E-05	82.5- 97.5	0.1072E-05	15	0- 15	0.1141E-05	90-105	0.1134E-05
30-45.00	0.6663E-04	-7.5 TO 7.5	0.9217E-06	82.5- 97.5	0.9097E-06	30	0- 15	0.1019E-05	90-105	0.1007E-05
45-60.00	0.8683E-04	-7.5 TO 7.5	0.6972E-06	82.5- 97.5	0.6848E-06	45	0- 15	0.8238E-06	90-105	0.8096E-06
60-75.00	0.1011E-03	-7.5 TO 7.5	0.4263E-06	82.5- 97.5	0.4161E-06	60	0- 15	0.5711E-06	90-105	0.5580E-06
75-89.20	0.1026E-03	-7.5 TO 7.5	0.1394E-06	82.5- 97.5	0.1336E-06	75	0- 15	0.2825E-06	90-105	0.2731E-06
0-15.00	0.2857E-04	-7.5 TO 22.5	0.1161E-05	82.5-112.5	0.1156E-05	0	0- 30	0.2357E-05	90-120	0.2357E-05
15-30.00	0.8377E-04	-7.5 TO 22.5	0.1081E-05	82.5-112.5	0.1071E-05	15	0- 30	0.2282E-05	90-120	0.2267E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.9215E-06	82.5-112.5	0.9082E-06	30	0- 30	0.2038E-05	90-120	0.2012E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.6970E-06	82.5-112.5	0.6832E-06	45	0- 30	0.1647E-05	90-120	0.1616E-05
60-75.00	0.2022E-03	-7.5 TO 22.5	0.4261E-06	82.5-112.5	0.4148E-06	60	0- 30	0.1141E-05	90-120	0.1113E-05
75-89.20	0.2053E-03	-7.5 TO 22.5	0.1393E-06	82.5-112.5	0.1328E-06	75	0- 30	0.5645E-06	90-120	0.5442E-06
0-15.00	0.4286E-04	-7.5 TO 37.5	0.1161E-05	82.5-127.5	0.1156E-05	0	0- 45	0.3536E-05	90-135	0.3536E-05
15-30.00	0.1256E-03	-7.5 TO 37.5	0.1080E-05	82.5-127.5	0.1070E-05	15	0- 45	0.3422E-05	90-135	0.3399E-05
30-45.00	0.1955E-03	-7.5 TO 37.5	0.9210E-06	82.5-127.5	0.9067E-06	30	0- 45	0.3056E-05	90-135	0.3015E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.6969E-06	82.5-127.5	0.6817E-06	45	0- 45	0.2468E-05	90-135	0.2420E-05
60-75.00	0.3033E-03	-7.5 TO 37.5	0.4257E-06	82.5-127.5	0.4136E-06	60	0- 45	0.1710E-05	90-135	0.1665E-05
75-89.20	0.3079E-03	-7.5 TO 37.5	0.1390E-06	82.5-127.5	0.1321E-06	75	0- 45	0.8453E-06	90-135	0.8134E-06
0-15.00	0.5714E-04	-7.5 TO 52.5	0.1160E-05	82.5-142.5	0.1155E-05	0	0- 60	0.4714E-05	90-150	0.4714E-05
15-30.00	0.1675E-03	-7.5 TO 52.5	0.1080E-05	82.5-142.5	0.1069E-05	15	0- 60	0.4561E-05	90-150	0.4529E-05
30-45.00	0.2665E-03	-7.5 TO 52.5	0.9203E-06	82.5-142.5	0.9054E-06	30	0- 60	0.4071E-05	90-150	0.4015E-05
45-60.00	0.3473E-03	-7.5 TO 52.5	0.6958E-06	82.5-142.5	0.6803E-06	45	0- 60	0.3287E-05	90-150	0.3221E-05
60-75.00	0.4045E-03	-7.5 TO 52.5	0.4251E-06	82.5-142.5	0.4125E-06	60	0- 60	0.2277E-05	90-150	0.2216E-05
75-89.20	0.4106E-03	-7.5 TO 52.5	0.1387E-06	82.5-142.5	0.1315E-06	75	0- 60	0.1125E-05	90-150	0.1081E-05
0-15.00	0.7143E-04	-7.5 TO 67.5	0.1160E-05	82.5-157.5	0.1155E-05	0	0- 75	0.5893E-05	90-165	0.5893E-05
15-30.00	0.2094E-03	-7.5 TO 67.5	0.1079E-05	82.5-157.5	0.1068E-05	15	0- 75	0.5698E-05	90-165	0.5658E-05
30-45.00	0.3331E-03	-7.5 TO 67.5	0.9194E-06	82.5-157.5	0.9042E-06	30	0- 75	0.5084E-05	90-165	0.5014E-05
45-60.00	0.4341E-03	-7.5 TO 67.5	0.6948E-06	82.5-157.5	0.6791E-06	45	0- 75	0.4103E-05	90-165	0.4021E-05
60-75.00	0.5056E-03	-7.5 TO 67.5	0.4244E-06	82.5-157.5	0.4115E-06	60	0- 75	0.2841E-05	90-165	0.2764E-05
75-89.20	0.5132E-03	-7.5 TO 67.5	0.1383E-06	82.5-157.5	0.1309E-06	75	0- 75	0.1402E-05	90-165	0.1348E-05
0-15.00	0.8571E-04	-7.5 TO 82.5	0.1160E-05	82.5-172.5	0.1155E-05	0	0- 90	0.7071E-05	90-180	0.7071E-05
15-30.00	0.2513E-03	-7.5 TO 82.5	0.1078E-05	82.5-172.5	0.1067E-05	15	0- 90	0.6834E-05	90-180	0.6788E-05
30-45.00	0.3998E-03	-7.5 TO 82.5	0.9183E-06	82.5-172.5	0.9032E-06	30	0- 90	0.6094E-05	90-180	0.6013E-05
45-60.00	0.5210E-03	-7.5 TO 82.5	0.6937E-06	82.5-172.5	0.6781E-06	45	0- 90	0.4916E-05	90-180	0.4819E-05
60-75.00	0.6067E-03	-7.5 TO 82.5	0.4234E-06	82.5-172.5	0.4106E-06	60	0- 90	0.3402E-05	90-180	0.3312E-05
75-89.20	0.6158E-03	-7.5 TO 82.5	0.1377E-06	82.5-172.5	0.1304E-06	75	0- 90	0.1677E-05	90-180	0.1614E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.1159E-05	82.5-187.5	0.1154E-05	0	0-105	0.8250E-05	90-195	0.8250E-05
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1077E-05	82.5-187.5	0.1067E-05	15	0-105	0.7968E-05	90-195	0.7917E-05
30-45.00	0.4664E-03	-7.5 TO 97.5	0.9171E-06	82.5-187.5	0.9025E-06	30	0-105	0.7102E-05	90-195	0.7011E-05
45-60.00	0.6078E-03	-7.5 TO 97.5	0.6924E-06	82.5-187.5	0.6773E-06	45	0-105	0.5726E-05	90-195	0.5618E-05
60-75.00	0.7078E-03	-7.5 TO 97.5	0.4224E-06	82.5-187.5	0.4100E-06	60	0-105	0.3960E-05	90-195	0.3860E-05
75-89.20	0.7185E-03	-7.5 TO 97.5	0.1371E-06	82.5-187.5	0.1301E-06	75	0-105	0.1950E-05	90-195	0.1880E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0091$ $\cosh \mu_2 = 83.3030$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 104.33$

Span of α_i	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.1442E-05	82.5- 97.5	0.1435E-05	0	0- 15	0.1462E-05	90-105	0.1462E-05
15-30.00	0.4188E-04	-7.5 TO 7.5	0.1344E-05	82.5- 97.5	0.1329E-05	15	0- 15	0.1418E-05	90-105	0.1407E-05
30-45.00	0.6663E-04	-7.5 TO 7.5	0.1148E-05	82.5- 97.5	0.1128E-05	30	0- 15	0.1269E-05	90-105	0.1249E-05
45-60.00	0.8683E-04	-7.5 TO 7.5	0.8696E-06	82.5- 97.5	0.8494E-06	45	0- 15	0.1027E-05	90-105	0.1004E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.5324E-06	82.5- 97.5	0.5162E-06	60	0- 15	0.7128E-06	90-105	0.6915E-06
75-89.20	0.1026E-03	-7.5 TO 7.5	0.1745E-06	82.5- 97.5	0.1657E-06	75	0- 15	0.3531E-06	90-105	0.3385E-06
0-15.00	0.2857E-04	-7.5 TO 22.5	0.1442E-05	82.5-112.5	0.1434E-05	0	0- 30	0.2924E-05	90-120	0.2924E-05
15-30.00	0.8377E-04	-7.5 TO 22.5	0.1344E-05	82.5-112.5	0.1328E-05	15	0- 30	0.2835E-05	90-120	0.2811E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.1148E-05	82.5-112.5	0.1126E-05	30	0- 30	0.2536E-05	90-120	0.2494E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.8693E-06	82.5-112.5	0.8469E-06	45	0- 30	0.2052E-05	90-120	0.2002E-05
60-75.00	0.2022E-03	-7.5 TO 22.5	0.5321E-06	82.5-112.5	0.5141E-06	60	0- 30	0.1424E-05	90-120	0.1378E-05
75-89.20	0.2053E-03	-7.5 TO 22.5	0.1743E-06	82.5-112.5	0.1646E-06	75	0- 30	0.7054E-06	90-120	0.6737E-06
0-15.00	0.4286E-04	-7.5 TO 37.5	0.1441E-05	82.5-127.5	0.1433E-05	0	0- 45	0.4385E-05	90-135	0.4385E-05
15-30.00	0.1256E-03	-7.5 TO 37.5	0.1343E-05	82.5-127.5	0.1326E-05	15	0- 45	0.4251E-05	90-135	0.4213E-05
30-45.00	0.1999E-03	-7.5 TO 37.5	0.1147E-05	82.5-127.5	0.1123E-05	30	0- 45	0.3802E-05	90-135	0.3734E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.8683E-06	82.5-127.5	0.8444E-06	45	0- 45	0.3075E-05	90-135	0.2996E-05
60-75.00	0.3033E-03	-7.5 TO 37.5	0.5315E-06	82.5-127.5	0.5121E-06	60	0- 45	0.2133E-05	90-135	0.2061E-05
75-89.20	0.3079E-03	-7.5 TO 37.5	0.1740E-06	82.5-127.5	0.1635E-06	75	0- 45	0.1056E-05	90-135	0.1006E-05
0-15.00	0.5714E-04	-7.5 TO 52.5	0.1441E-05	82.5-142.5	0.1432E-05	0	0- 60	0.5847E-05	90-150	0.5847E-05
15-30.00	0.1675E-03	-7.5 TO 52.5	0.1342E-05	82.5-142.5	0.1324E-05	15	0- 60	0.5665E-05	90-150	0.5613E-05
30-45.00	0.2665E-03	-7.5 TO 52.5	0.1146E-05	82.5-142.5	0.1121E-05	30	0- 60	0.5064E-05	90-150	0.4972E-05
45-60.00	0.3473E-03	-7.5 TO 52.5	0.8673E-06	82.5-142.5	0.8421E-06	45	0- 60	0.4094E-05	90-150	0.3986E-05
60-75.00	0.4045E-03	-7.5 TO 52.5	0.5305E-06	82.5-142.5	0.5103E-06	60	0- 60	0.2839E-05	90-150	0.2740E-05
75-89.20	0.4106E-03	-7.5 TO 52.5	0.1735E-06	82.5-142.5	0.1625E-06	75	0- 60	0.1404E-05	90-150	0.1336E-05
0-15.00	0.7143E-04	-7.5 TO 67.5	0.1440E-05	82.5-157.5	0.1432E-05	0	0- 75	0.7309E-05	90-165	0.7309E-05
15-30.00	0.2094E-03	-7.5 TO 67.5	0.1341E-05	82.5-157.5	0.1323E-05	15	0- 75	0.7077E-05	90-165	0.7011E-05
30-45.00	0.3331E-03	-7.5 TO 67.5	0.1144E-05	82.5-157.5	0.1119E-05	30	0- 75	0.6322E-05	90-165	0.6207E-05
45-60.00	0.4341E-03	-7.5 TO 67.5	0.8657E-06	82.5-157.5	0.8401E-06	45	0- 75	0.5108E-05	90-165	0.4973E-05
60-75.00	0.5056E-03	-7.5 TO 67.5	0.5293E-06	82.5-157.5	0.5087E-06	60	0- 75	0.3540E-05	90-165	0.3417E-05
75-89.20	0.5132E-03	-7.5 TO 67.5	0.1728E-06	82.5-157.5	0.1617E-06	75	0- 75	0.1749E-05	90-165	0.1664E-05
0-15.00	0.8571E-04	-7.5 TO 82.5	0.1440E-05	82.5-172.5	0.1431E-05	0	0- 90	0.8771E-05	90-180	0.8771E-05
15-30.00	0.2513E-03	-7.5 TO 82.5	0.1340E-05	82.5-172.5	0.1322E-05	15	0- 90	0.8486E-05	90-180	0.8409E-05
30-45.00	0.3998E-03	-7.5 TO 82.5	0.1142E-05	82.5-172.5	0.1118E-05	30	0- 90	0.7576E-05	90-180	0.7441E-05
45-60.00	0.5210E-03	-7.5 TO 82.5	0.8639E-06	82.5-172.5	0.8385E-06	45	0- 90	0.6117E-05	90-180	0.5959E-05
60-75.00	0.6067E-03	-7.5 TO 82.5	0.5278E-06	82.5-172.5	0.5074E-06	60	0- 90	0.4236E-05	90-180	0.4092E-05
75-89.20	0.6156E-03	-7.5 TO 82.5	0.1720E-06	82.5-172.5	0.1610E-06	75	0- 90	0.2091E-05	90-180	0.1992E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.1439E-05	82.5-187.5	0.1431E-05	0	0-105	0.1023E-04	90-195	0.1023E-04
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1338E-05	82.5-187.5	0.1321E-05	15	0-105	0.9893E-05	90-195	0.9807E-05
30-45.00	0.4664E-03	-7.5 TO 97.5	0.1140E-05	82.5-187.5	0.1116E-05	30	0-105	0.8825E-05	90-195	0.8675E-05
45-60.00	0.6078E-03	-7.5 TO 97.5	0.8618E-06	82.5-187.5	0.8372E-06	45	0-105	0.7121E-05	90-195	0.6944E-05
60-75.00	0.7078E-03	-7.5 TO 97.5	0.5261E-06	82.5-187.5	0.5064E-06	60	0-105	0.4928E-05	90-195	0.4767E-05
75-89.20	0.7185E-03	-7.5 TO 97.5	0.1711E-06	82.5-187.5	0.1604E-06	75	0-105	0.2429E-05	90-195	0.2319E-05

$r_2/r_1 = 0.30$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0091$ $\cosh \mu_2 = 83.3030$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 89.31$

0-15.00	0.1429E-04	-7.5 TO 7.5	0.1543E-05	82.5- 97.5	0.1533E-05	0	0- 15	0.1562E-05	90-105	0.1562E-05
15-30.00	0.4188E-04	-7.5 TO 7.5	0.1441E-05	82.5- 97.5	0.1420E-05	15	0- 15	0.1518E-05	90-105	0.1502E-05
30-45.00	0.6663E-04	-7.5 TO 7.5	0.1233E-05	82.5- 97.5	0.1206E-05	30	0- 15	0.1362E-05	90-105	0.1334E-05
45-60.00	0.8683E-04	-7.5 TO 7.5	0.9357E-06	82.5- 97.5	0.9076E-06	45	0- 15	0.1104E-05	90-105	0.1071E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.5736E-06	82.5- 97.5	0.5516E-06	60	0- 15	0.7675E-06	90-105	0.7381E-06
75-89.20	0.1026E-03	-7.5 TO 7.5	0.1882E-06	82.5- 97.5	0.1770E-06	75	0- 15	0.3806E-06	90-105	0.3612E-06
0-15.00	0.2857E-04	-7.5 TO 22.5	0.1543E-05	82.5-112.5	0.1532E-05	0	0- 30	0.3124E-05	90-120	0.3124E-05
15-30.00	0.8377E-04	-7.5 TO 22.5	0.1441E-05	82.5-112.5	0.1418E-05	15	0- 30	0.3036E-05	90-120	0.3001E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.1233E-05	82.5-112.5	0.1202E-05	30	0- 30	0.2722E-05	90-120	0.2661E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.9352E-06	82.5-112.5	0.9040E-06	45	0- 30	0.2206E-05	90-120	0.2136E-05
60-75.00	0.2022E-03	-7.5 TO 22.5	0.5732E-06	82.5-112.5	0.5488E-06	60	0- 30	0.1533E-05	90-120	0.1470E-05
75-89.20	0.2053E-03	-7.5 TO 22.5	0.1880E-06	82.5-112.5	0.1756E-06	75	0- 30	0.7601E-06	90-120	0.7182E-06
0-15.00	0.4286E-04	-7.5 TO 37.5	0.1542E-05	82.5-127.5	0.1531E-05	0	0- 45	0.4686E-05	90-135	0.4686E-05
15-30.00	0.1256E-03	-7.5 TO 37.5	0.1440E-05	82.5-127.5	0.1415E-05	15	0- 45	0.4552E-05	90-135	0.4497E-05
30-45.00	0.1999E-03	-7.5 TO 37.5	0.1232E-05	82.5-127.5	0.1199E-05	30	0- 45	0.4078E-05	90-135	0.3983E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.9341E-06	82.5-127.5	0.9006E-06	45	0- 45	0.3304E-05	90-135	0.3193E-05
60-75.00	0.3033E-03	-7.5 TO 37.5	0.5723E-06	82.5-127.5	0.5461E-06	60	0- 45	0.2295E-05	90-135	0.2196E-05
75-89.20	0.3079E-03	-7.5 TO 37.5	0.1876E-06	82.5-127.5	0.1743E-06	75	0- 45	0.1137E-05	90-135	0.1071E-05
0-15.00	0.5714E-04	-7.5 TO 52.5	0.1542E-05	82.5-142.5	0.1530E-05	0	0- 60	0.6247E-05	90-150	0.6247E-05
15-30.00	0.1675E-03	-7.5 TO 52.5	0.1439E-05	82.5-142.5	0.1413E-05	15	0- 60	0.6065E-05	90-150	0.5990E-05
30-45.00	0.2665E-03	-7.5 TO 52.5	0.1230E-05	82.5-142.5	0.1196E-05	30	0- 60	0.5431E-05	90-150	0.5301E-05
45-60.00	0.3473E-03	-7.5 TO 52.5	0.9324E-06	82.5-142.5	0.8975E-06	45	0- 60	0.4397E-05	90-150	0.4246E-05
60-75.00	0.4045E-03	-7.5 TO 52.5	0.5710E-06	82.5-142.5	0.5437E-06	60	0- 60	0.3053E-05	90-150	0.2917E-05
75-89.20	0.4106E-03	-7.5 TO 52.5	0.1809E-06	82.5-142.5	0.1731E-06	75	0- 60	0.1511E-05	90-150	0.1422E-05
0-15.00	0.7143E-04	-7.5 TO 67.5	0.1541E-05	82.5-157.5	0.1529E-05	0	0- 75	0.7809E-05	90-165	0.7809E-05
15-30.00	0.2094E-03	-7.5 TO 67.5	0.1437E-05	82.5-157.5	0.1411E-05	15	0- 75	0.7574E-05	90-165	0.7481E-05
30-45.00	0.3331E-03	-7.5 TO 67.5	0.1228E-05	82.5-157.5	0.1193E-05	30	0- 75	0.6777E-05	90-165	0.6615E-05
45-60.00	0.4341E-03	-7.5 TO 67.5	0.9303E-06	82.5-157.5	0.8948E-06	45	0- 75	0.5483E-05	90-165	0.5295E-05
60-75.00	0.5056E-03	-7.5 TO 67.5	0.5693E-06	82.5-157.5	0.5416E-06	60	0- 75	0.3804E-05	90-165	0.3635E-05
75-89.20	0.5132E-03	-7.5 TO 67.5	0.1860E-06	82.5-157.5	0.1720E-06	75	0- 75	0.1881E-05	90-165	0.1770E-05
0-15.00	0.8571E-04	-7.5 TO 82.5	0.1540E-05	82.5-172.5	0.1528E-05	0	0- 90	0.9371E-05	90-180	0.9371E-05
15-30.00	0.2513E-03	-7.5 TO 82.5	0.1435E-05	82.5-172.5	0.1409E-05	15	0- 90	0.9080E-05	90-180	0.8972E-05
30-45.00	0.3998E-03	-7.5 TO 82.5	0.1225E-05	82.5-172.5	0.1191E-05	30	0- 90	0.8117E-05	90-180	0.7928E-05
45-60.00	0.5210E-03	-7.5 TO 82.5	0.9277E-06	82.5-172.5	0.8925E-06	45	0- 90	0.6562E-05	90-180	0.6342E-05
60-75.00	0.6067E-03	-7.5 TO 82.5	0.5673E-06	82.5-172.5	0.5398E-06	60	0- 90	0.4549E-05	90-180	0.4351E-05
75-89.20	0.6156E-03	-7.5 TO 82.5	0.1850E-06	82.5-172.5	0.1711E-06	75	0- 90	0.2247E-05	90-180	0.2117E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.1539E-05	82.5-187.5	0.1527E-05	0	0-105	0.1093E-04	90-195	0.1093E-04
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1433E-05	82.5-187.5	0.1408E-05	15	0-105	0.1058E-04	90-195	0.1046E-04
30-45.00	0.4664E-03	-7.5 TO 97.5	0.1223E-05	82.5-187.5	0.1189E-05	30	0-105	0.9451E-05	90-195	0.9241E-05
45-60.00	0.6078E-03	-7.5 TO 97.5	0.9248E-06	82.5-187.5	0.8907E-06	45	0-105	0.7634E-05	90-195	0.7388E-05
60-75.00	0.7078E-03	-7.5 TO 97.5	0.5650E-06	82.5-187.5	0.5384E-06	60	0-105	0.5287E-05	90-195	0.5067E-05
75-89.20	0.7185E-03	-7.5 TO 97.5	0.1839E-06	82.5-187.5	0.1704E-06	75	0-105	0.2608E-05	90-195	0.2464E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0091$ $\cosh \mu_2 = 83.3030$ $\alpha_{2,max} = 90.80$ $\theta_{2,min} = 88.51$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.1543E-05	82.5- 97.5	0.1533E-05	0	0- 15	0.1562E-05	90-105	0.1562E-05
15-30.00	0.4188E-04	-7.5 TO 7.5	0.1441E-05	82.5- 97.5	0.1420E-05	15	0- 15	0.1518E-05	90-105	0.1502E-05
30-45.00	0.6663E-04	-7.5 TO 7.5	0.1233E-05	82.5- 97.5	0.1206E-05	30	0- 15	0.1362E-05	90-105	0.1334E-05
45-60.00	0.8603E-04	-7.5 TO 7.5	0.9358E-06	82.5- 97.5	0.9076E-06	45	0- 15	0.1104E-05	90-105	0.1071E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.5737E-06	82.5- 97.5	0.5516E-06	60	0- 15	0.7675E-06	90-105	0.7381E-06
75-89.20	0.1102E-03	-7.5 TO 7.5	0.1883E-06	82.5- 97.5	0.1770E-06	75	0- 15	0.3807E-06	90-105	0.3612E-06
0-15.00	0.2857E-04	-7.5 TO 22.5	0.1543E-05	82.5-112.5	0.1532E-05	0	0- 30	0.3124E-05	90-120	0.3124E-05
15-30.00	0.8377E-04	-7.5 TO 22.5	0.1441E-05	82.5-112.5	0.1418E-05	15	0- 30	0.3036E-05	90-120	0.3001E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.1233E-05	82.5-112.5	0.1202E-05	30	0- 30	0.2722E-05	90-120	0.2661E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.9353E-06	82.5-112.5	0.9040E-06	45	0- 30	0.2206E-05	90-120	0.2136E-05
60-75.00	0.2022E-03	-7.5 TO 22.5	0.5733E-06	82.5-112.5	0.5488E-06	60	0- 30	0.1533E-05	90-120	0.1470E-05
75-89.20	0.2053E-03	-7.5 TO 22.5	0.1881E-06	82.5-112.5	0.1756E-06	75	0- 30	0.7602E-06	90-120	0.7182E-06
0-15.00	0.4286E-04	-7.5 TO 37.5	0.1542E-05	82.5-127.5	0.1531E-05	0	0- 45	0.4686E-05	90-135	0.4686E-05
15-30.00	0.1256E-03	-7.5 TO 37.5	0.1440E-05	82.5-127.5	0.1415E-05	15	0- 45	0.4552E-05	90-135	0.4497E-05
30-45.00	0.1999E-03	-7.5 TO 37.5	0.1232E-05	82.5-127.5	0.1199E-05	30	0- 45	0.4078E-05	90-135	0.3983E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.9342E-06	82.5-127.5	0.9006E-06	45	0- 45	0.3304E-05	90-135	0.3193E-05
60-75.00	0.3033E-03	-7.5 TO 37.5	0.5724E-06	82.5-127.5	0.5461E-06	60	0- 45	0.2296E-05	90-135	0.2196E-05
75-89.20	0.3079E-03	-7.5 TO 37.5	0.1876E-06	82.5-127.5	0.1743E-06	75	0- 45	0.1137E-05	90-135	0.1071E-05
0-15.00	0.5714E-04	-7.5 TO 52.5	0.1542E-05	82.5-142.5	0.1530E-05	0	0- 60	0.6247E-05	90-150	0.6247E-05
15-30.00	0.1675E-03	-7.5 TO 52.5	0.1439E-05	82.5-142.5	0.1413E-05	15	0- 60	0.6065E-05	90-150	0.5990E-05
30-45.00	0.2665E-03	-7.5 TO 52.5	0.1230E-05	82.5-142.5	0.1196E-05	30	0- 60	0.5431E-05	90-150	0.5301E-05
45-60.00	0.3473E-03	-7.5 TO 52.5	0.9325E-06	82.5-142.5	0.8975E-06	45	0- 60	0.4397E-05	90-150	0.4246E-05
60-75.00	0.4045E-03	-7.5 TO 52.5	0.5711E-06	82.5-142.5	0.5437E-06	60	0- 60	0.3053E-05	90-150	0.2917E-05
75-89.20	0.4106E-03	-7.5 TO 52.5	0.1869E-06	82.5-142.5	0.1731E-06	75	0- 60	0.1511E-05	90-150	0.1422E-05
0-15.00	0.7143E-04	-7.5 TO 67.5	0.1541E-05	82.5-157.5	0.1529E-05	0	0- 75	0.7809E-05	90-165	0.7809E-05
15-30.00	0.2094E-03	-7.5 TO 67.5	0.1437E-05	82.5-157.5	0.1411E-05	15	0- 75	0.7574E-05	90-165	0.7481E-05
30-45.00	0.3331E-03	-7.5 TO 67.5	0.1228E-05	82.5-157.5	0.1193E-05	30	0- 75	0.6777E-05	90-165	0.6615E-05
45-60.00	0.4341E-03	-7.5 TO 67.5	0.9303E-06	82.5-157.5	0.8948E-06	45	0- 75	0.5483E-05	90-165	0.5295E-05
60-75.00	0.5056E-03	-7.5 TO 67.5	0.5694E-06	82.5-157.5	0.5416E-06	60	0- 75	0.3804E-05	90-165	0.3635E-05
75-89.20	0.5132E-03	-7.5 TO 67.5	0.1861E-06	82.5-157.5	0.1720E-06	75	0- 75	0.1881E-05	90-165	0.1770E-05
0-15.00	0.8571E-04	-7.5 TO 82.5	0.1540E-05	82.5-172.5	0.1528E-05	0	0- 90	0.9371E-05	90-180	0.9371E-05
15-30.00	0.2513E-03	-7.5 TO 82.5	0.1435E-05	82.5-172.5	0.1409E-05	15	0- 90	0.9080E-05	90-180	0.8972E-05
30-45.00	0.3996E-03	-7.5 TO 82.5	0.1225E-05	82.5-172.5	0.1191E-05	30	0- 90	0.8117E-05	90-180	0.7928E-05
45-60.00	0.5210E-03	-7.5 TO 82.5	0.9277E-06	82.5-172.5	0.8925E-06	45	0- 90	0.6562E-05	90-180	0.6342E-05
60-75.00	0.6067E-03	-7.5 TO 82.5	0.5673E-06	82.5-172.5	0.5398E-06	60	0- 90	0.4549E-05	90-180	0.4351E-05
75-89.20	0.6158E-03	-7.5 TO 82.5	0.1850E-06	82.5-172.5	0.1711E-06	75	0- 90	0.2247E-05	90-180	0.2117E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.1539E-05	82.5-187.5	0.1527E-05	0	0-105	0.1093E-04	90-195	0.1093E-04
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1433E-05	82.5-187.5	0.1408E-05	15	0-105	0.1058E-04	90-195	0.1046E-04
30-45.00	0.4664E-03	-7.5 TO 97.5	0.1223E-05	82.5-187.5	0.1189E-05	30	0-105	0.9451E-05	90-195	0.9241E-05
45-60.00	0.6078E-03	-7.5 TO 97.5	0.9249E-06	82.5-187.5	0.8907E-06	45	0-105	0.7634E-05	90-195	0.7388E-05
60-75.00	0.7078E-03	-7.5 TO 97.5	0.5651E-06	82.5-187.5	0.5384E-06	60	0-105	0.5287E-05	90-195	0.5067E-05
75-89.20	0.7185E-03	-7.5 TO 97.5	0.1839E-06	82.5-187.5	0.1704E-06	75	0-105	0.2608E-05	90-195	0.2464E-05

$r_2/r_1 = 0.30$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0045$ $\cosh \mu_2 = 166.6515$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.91$

0-15.00	0.3569E-05	-7.5 TO 7.5	0.2533E-07	82.5- 97.5	0.2532E-07	0	0- 15	0.2578E-07	90-105	0.2578E-07
15-30.00	0.1046E-04	-7.5 TO 7.5	0.2355E-07	82.5- 97.5	0.2353E-07	15	0- 15	0.2488E-07	90-105	0.2487E-07
30-45.00	0.1665E-04	-7.5 TO 7.5	0.2012E-07	82.5- 97.5	0.2009E-07	30	0- 15	0.2223E-07	90-105	0.2220E-07
45-60.00	0.2169E-04	-7.5 TO 7.5	0.1530E-07	82.5- 97.5	0.1527E-07	45	0- 15	0.1802E-07	90-105	0.1799E-07
60-75.00	0.2526E-04	-7.5 TO 7.5	0.9470E-08	82.5- 97.5	0.9442E-08	60	0- 15	0.1260E-07	90-105	0.1256E-07
75-89.60	0.2638E-04	-7.5 TO 7.5	0.3144E-08	82.5- 97.5	0.3127E-08	75	0- 15	0.6358E-08	90-105	0.6331E-08
0-15.00	0.7138E-05	-7.5 TO 22.5	0.2533E-07	82.5-112.5	0.2532E-07	0	0- 30	0.5156E-07	90-120	0.5156E-07
15-30.00	0.2093E-04	-7.5 TO 22.5	0.2355E-07	82.5-112.5	0.2353E-07	15	0- 30	0.4976E-07	90-120	0.4973E-07
30-45.00	0.3329E-04	-7.5 TO 22.5	0.2012E-07	82.5-112.5	0.2009E-07	30	0- 30	0.4445E-07	90-120	0.4439E-07
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1530E-07	82.5-112.5	0.1527E-07	45	0- 30	0.3604E-07	90-120	0.3597E-07
60-75.00	0.5052E-04	-7.5 TO 22.5	0.9470E-08	82.5-112.5	0.9439E-08	60	0- 30	0.2519E-07	90-120	0.2512E-07
75-89.60	0.5275E-04	-7.5 TO 22.5	0.3144E-08	82.5-112.5	0.3125E-08	75	0- 30	0.1271E-07	90-120	0.1266E-07
0-15.00	0.1071E-04	-7.5 TO 37.5	0.2533E-07	82.5-127.5	0.2532E-07	0	0- 45	0.7734E-07	90-135	0.7734E-07
15-30.00	0.3139E-04	-7.5 TO 37.5	0.2355E-07	82.5-127.5	0.2353E-07	15	0- 45	0.7464E-07	90-135	0.7459E-07
30-45.00	0.4994E-04	-7.5 TO 37.5	0.2012E-07	82.5-127.5	0.2008E-07	30	0- 45	0.6667E-07	90-135	0.6657E-07
45-60.00	0.6508E-04	-7.5 TO 37.5	0.1530E-07	82.5-127.5	0.1526E-07	45	0- 45	0.5406E-07	90-135	0.5394E-07
60-75.00	0.7579E-04	-7.5 TO 37.5	0.9469E-08	82.5-127.5	0.9435E-08	60	0- 45	0.3778E-07	90-135	0.3766E-07
75-89.60	0.7913E-04	-7.5 TO 37.5	0.3143E-08	82.5-127.5	0.3123E-08	75	0- 45	0.1907E-07	90-135	0.1898E-07
0-15.00	0.1428E-04	-7.5 TO 52.5	0.2533E-07	82.5-142.5	0.2532E-07	0	0- 60	0.1031E-06	90-150	0.1031E-06
15-30.00	0.4188E-04	-7.5 TO 52.5	0.2355E-07	82.5-142.5	0.2352E-07	15	0- 60	0.9952E-07	90-150	0.9944E-07
30-45.00	0.6658E-04	-7.5 TO 52.5	0.2012E-07	82.5-142.5	0.2008E-07	30	0- 60	0.8889E-07	90-150	0.8875E-07
45-60.00	0.8677E-04	-7.5 TO 52.5	0.1530E-07	82.5-142.5	0.1526E-07	45	0- 60	0.7207E-07	90-150	0.7190E-07
60-75.00	0.1010E-03	-7.5 TO 52.5	0.9467E-08	82.5-142.5	0.9432E-08	60	0- 60	0.5037E-07	90-150	0.5020E-07
75-89.60	0.1055E-03	-7.5 TO 52.5	0.3142E-08	82.5-142.5	0.3121E-08	75	0- 60	0.2541E-07	90-150	0.2529E-07
0-15.00	0.1785E-04	-7.5 TO 67.5	0.2533E-07	82.5-157.5	0.2532E-07	0	0- 75	0.1289E-06	90-165	0.1289E-06
15-30.00	0.5233E-04	-7.5 TO 67.5	0.2355E-07	82.5-157.5	0.2352E-07	15	0- 75	0.1244E-06	90-165	0.1243E-06
30-45.00	0.8323E-04	-7.5 TO 67.5	0.2012E-07	82.5-157.5	0.2008E-07	30	0- 75	0.1111E-06	90-165	0.1109E-06
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1530E-07	82.5-157.5	0.1526E-07	45	0- 75	0.9007E-07	90-165	0.8986E-07
60-75.00	0.1263E-03	-7.5 TO 67.5	0.9465E-08	82.5-157.5	0.9430E-08	60	0- 75	0.6294E-07	90-165	0.6274E-07
75-89.60	0.1319E-03	-7.5 TO 67.5	0.3141E-08	82.5-157.5	0.3119E-08	75	0- 75	0.3176E-07	90-165	0.3160E-07
0-15.00	0.2141E-04	-7.5 TO 82.5	0.2533E-07	82.5-172.5	0.2532E-07	0	0- 90	0.1547E-06	90-180	0.1547E-06
15-30.00	0.6278E-04	-7.5 TO 82.5	0.2355E-07	82.5-172.5	0.2352E-07	15	0- 90	0.1493E-06	90-180	0.1491E-06
30-45.00	0.9987E-04	-7.5 TO 82.5	0.2011E-07	82.5-172.5	0.2008E-07	30	0- 90	0.1333E-06	90-180	0.1331E-06
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1530E-07	82.5-172.5	0.1526E-07	45	0- 90	0.1081E-06	90-180	0.1078E-06
60-75.00	0.1516E-03	-7.5 TO 82.5	0.9462E-08	82.5-172.5	0.9427E-08	60	0- 90	0.7551E-07	90-180	0.7528E-07
75-89.60	0.1583E-03	-7.5 TO 82.5	0.3140E-08	82.5-172.5	0.3118E-08	75	0- 90	0.3809E-07	90-180	0.3791E-07
0-15.00	0.2495E-04	-7.5 TO 97.5	0.2533E-07	82.5-187.5	0.2532E-07	0	0-105	0.1805E-06	90-195	0.1805E-06
15-30.00	0.7325E-04	-7.5 TO 97.5	0.2355E-07	82.5-187.5	0.2352E-07	15	0-105	0.1741E-06	90-195	0.1740E-06
30-45.00	0.1165E-03	-7.5 TO 97.5	0.2011E-07	82.5-187.5	0.2007E-07	30	0-105	0.1555E-06	90-195	0.1553E-06
45-60.00	0.1519E-03	-7.5 TO 97.5	0.1529E-07	82.5-187.5	0.1525E-07	45	0-105	0.1261E-06	90-195	0.1258E-06
60-75.00	0.1768E-03	-7.5 TO 97.5	0.9459E-08	82.5-187.5	0.9426E-08	60	0-105	0.8808E-07	90-195	0.8781E-07
75-89.60	0.1846E-03	-7.5 TO 97.5	0.3138E-08	82.5-187.5	0.3116E-08	75	0-105	0.4443E-07	90-195	0.4422E-07

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

r_2/r_1 = 0.30 d/r_1 = 100.000 cosh μ_1 = 50.0045 cosh μ_2 = 166.6515 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 149.83

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.9453E-07	82.5- 97.5	0.9445E-07	0	0- 15	0.9616E-07	90-105	0.9616E-07
15-30.00	0.1046E-04	-7.5 TO 7.5	0.8794E-07	82.5- 97.5	0.8777E-07	15	0- 15	0.9286E-07	90-105	0.9274E-07
30-45.00	0.1665E-04	-7.5 TO 7.5	0.7517E-07	82.5- 97.5	0.7494E-07	30	0- 15	0.8300E-07	90-105	0.8278E-07
45-60.00	0.2169E-04	-7.5 TO 7.5	0.5721E-07	82.5- 97.5	0.5696E-07	45	0- 15	0.6734E-07	90-105	0.6707E-07
60-75.00	0.2526E-04	-7.5 TO 7.5	0.3542E-07	82.5- 97.5	0.3522E-07	60	0- 15	0.4710E-07	90-105	0.4684E-07
75-89.60	0.2636E-04	-7.5 TO 7.5	0.1179E-07	82.5- 97.5	0.1166E-07	75	0- 15	0.2380E-07	90-105	0.2360E-07
0-15.00	0.7136E-05	-7.5 TO 22.5	0.9453E-07	82.5-112.5	0.9444E-07	0	0- 30	0.1923E-06	90-120	0.1923E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.8793E-07	82.5-112.5	0.8775E-07	15	0- 30	0.1857E-06	90-120	0.1854E-06
30-45.00	0.3329E-04	-7.5 TO 22.5	0.7516E-07	82.5-112.5	0.7491E-07	30	0- 30	0.1660E-06	90-120	0.1655E-06
45-60.00	0.4339E-04	-7.5 TO 22.5	0.5720E-07	82.5-112.5	0.5693E-07	45	0- 30	0.1347E-06	90-120	0.1341E-06
60-75.00	0.5052E-04	-7.5 TO 22.5	0.3542E-07	82.5-112.5	0.3519E-07	60	0- 30	0.9418E-07	90-120	0.9362E-07
75-89.60	0.5275E-04	-7.5 TO 22.5	0.1179E-07	82.5-112.5	0.1165E-07	75	0- 30	0.4759E-07	90-120	0.4716E-07
0-15.00	0.1071E-04	-7.5 TO 37.5	0.9453E-07	82.5-127.5	0.9443E-07	0	0- 45	0.2885E-06	90-135	0.2885E-06
15-30.00	0.3139E-04	-7.5 TO 37.5	0.8793E-07	82.5-127.5	0.8773E-07	15	0- 45	0.2786E-06	90-135	0.2781E-06
30-45.00	0.4994E-04	-7.5 TO 37.5	0.7515E-07	82.5-127.5	0.7488E-07	30	0- 45	0.2490E-06	90-135	0.2482E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.5719E-07	82.5-127.5	0.5690E-07	45	0- 45	0.2020E-06	90-135	0.2010E-06
60-75.00	0.7579E-04	-7.5 TO 37.5	0.3541E-07	82.5-127.5	0.3517E-07	60	0- 45	0.1412E-06	90-135	0.1403E-06
75-89.60	0.7913E-04	-7.5 TO 37.5	0.1178E-07	82.5-127.5	0.1163E-07	75	0- 45	0.7135E-07	90-135	0.7068E-07
0-15.00	0.1428E-04	-7.5 TO 52.5	0.9452E-07	82.5-142.5	0.9442E-07	0	0- 60	0.3846E-06	90-150	0.3846E-06
15-30.00	0.4186E-04	-7.5 TO 52.5	0.8792E-07	82.5-142.5	0.8771E-07	15	0- 60	0.3714E-06	90-150	0.3708E-06
30-45.00	0.6658E-04	-7.5 TO 52.5	0.7514E-07	82.5-142.5	0.7486E-07	30	0- 60	0.3319E-06	90-150	0.3308E-06
45-60.00	0.8677E-04	-7.5 TO 52.5	0.5718E-07	82.5-142.5	0.5688E-07	45	0- 60	0.2692E-06	90-150	0.2679E-06
60-75.00	0.1010E-03	-7.5 TO 52.5	0.3540E-07	82.5-142.5	0.3514E-07	60	0- 60	0.1882E-06	90-150	0.1870E-06
75-89.60	0.1055E-03	-7.5 TO 52.5	0.1178E-07	82.5-142.5	0.1162E-07	75	0- 60	0.9508E-07	90-150	0.9416E-07
0-15.00	0.1785E-04	-7.5 TO 67.5	0.9452E-07	82.5-157.5	0.9442E-07	0	0- 75	0.4808E-06	90-165	0.4808E-06
15-30.00	0.5232E-04	-7.5 TO 67.5	0.8790E-07	82.5-157.5	0.8769E-07	15	0- 75	0.4642E-06	90-165	0.4634E-06
30-45.00	0.8323E-04	-7.5 TO 67.5	0.7512E-07	82.5-157.5	0.7483E-07	30	0- 75	0.4148E-06	90-165	0.4134E-06
45-60.00	0.1085E-03	-7.5 TO 67.5	0.5716E-07	82.5-157.5	0.5685E-07	45	0- 75	0.3364E-06	90-165	0.3348E-06
60-75.00	0.1263E-03	-7.5 TO 67.5	0.3539E-07	82.5-157.5	0.3512E-07	60	0- 75	0.2352E-06	90-165	0.2337E-06
75-89.60	0.1319E-03	-7.5 TO 67.5	0.1177E-07	82.5-157.5	0.1160E-07	75	0- 75	0.1188E-06	90-165	0.1176E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.9451E-07	82.5-172.5	0.9441E-07	0	0- 90	0.5769E-06	90-180	0.5769E-06
15-30.00	0.6278E-04	-7.5 TO 82.5	0.8789E-07	82.5-172.5	0.8768E-07	15	0- 90	0.5569E-06	90-180	0.5561E-06
30-45.00	0.9987E-04	-7.5 TO 82.5	0.7510E-07	82.5-172.5	0.7482E-07	30	0- 90	0.4976E-06	90-180	0.4960E-06
45-60.00	0.1302E-03	-7.5 TO 82.5	0.5714E-07	82.5-172.5	0.5683E-07	45	0- 90	0.4035E-06	90-180	0.4017E-06
60-75.00	0.1514E-03	-7.5 TO 82.5	0.3537E-07	82.5-172.5	0.3511E-07	60	0- 90	0.2821E-06	90-180	0.2803E-06
75-89.60	0.1583E-03	-7.5 TO 82.5	0.1175E-07	82.5-172.5	0.1159E-07	75	0- 90	0.1424E-06	90-180	0.1411E-06
0-15.00	0.2495E-04	-7.5 TO 97.5	0.9450E-07	82.5-187.5	0.9441E-07	0	0-105	0.6731E-06	90-195	0.6731E-06
15-30.00	0.7325E-04	-7.5 TO 97.5	0.8787E-07	82.5-187.5	0.8767E-07	15	0-105	0.6497E-06	90-195	0.6487E-06
30-45.00	0.1165E-03	-7.5 TO 97.5	0.7508E-07	82.5-187.5	0.7480E-07	30	0-105	0.5804E-06	90-195	0.5786E-06
45-60.00	0.1519E-03	-7.5 TO 97.5	0.5711E-07	82.5-187.5	0.5682E-07	45	0-105	0.4706E-06	90-195	0.4685E-06
60-75.00	0.1768E-03	-7.5 TO 97.5	0.3535E-07	82.5-187.5	0.3509E-07	60	0-105	0.3289E-06	90-195	0.3270E-06
75-89.60	0.1846E-03	-7.5 TO 97.5	0.1174E-07	82.5-187.5	0.1159E-07	75	0-105	0.1660E-06	90-195	0.1645E-06

r_2/r_1 = 0.30 d/r_1 = 100.000 cosh μ_1 = 50.0045 cosh μ_2 = 166.6515 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 134.76

0-15.00	0.3569E-05	-7.5 TO 7.5	0.1890E-06	82.5- 97.5	0.1887E-06	0	0- 15	0.1921E-06	90-105	0.1921E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1759E-06	82.5- 97.5	0.1754E-06	15	0- 15	0.1857E-06	90-105	0.1853E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1504E-06	82.5- 97.5	0.1497E-06	30	0- 15	0.1661E-06	90-105	0.1654E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.1146E-06	82.5- 97.5	0.1138E-06	45	0- 15	0.1348E-06	90-105	0.1340E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.7099E-07	82.5- 97.5	0.7037E-07	60	0- 15	0.9435E-07	90-105	0.9356E-07
75-89.60	0.2636E-04	-7.5 TO 7.5	0.2368E-07	82.5- 97.5	0.2331E-07	75	0- 15	0.4772E-07	90-105	0.4714E-07
0-15.00	0.7136E-05	-7.5 TO 22.5	0.1890E-06	82.5-112.5	0.1887E-06	0	0- 30	0.3843E-06	90-120	0.3843E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1759E-06	82.5-112.5	0.1753E-06	15	0- 30	0.3713E-06	90-120	0.3705E-06
30-45.00	0.3329E-04	-7.5 TO 22.5	0.1504E-06	82.5-112.5	0.1496E-06	30	0- 30	0.3321E-06	90-120	0.3306E-06
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1145E-06	82.5-112.5	0.1137E-06	45	0- 30	0.2696E-06	90-120	0.2678E-06
60-75.00	0.5052E-04	-7.5 TO 22.5	0.7098E-07	82.5-112.5	0.7029E-07	60	0- 30	0.1886E-06	90-120	0.1869E-06
75-89.60	0.5275E-04	-7.5 TO 22.5	0.2367E-07	82.5-112.5	0.2326E-07	75	0- 30	0.9541E-07	90-120	0.9414E-07
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1889E-06	82.5-127.5	0.1887E-06	0	0- 45	0.5764E-06	90-135	0.5764E-06
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1759E-06	82.5-127.5	0.1752E-06	15	0- 45	0.5569E-06	90-135	0.5556E-06
30-45.00	0.4994E-04	-7.5 TO 37.5	0.1504E-06	82.5-127.5	0.1496E-06	30	0- 45	0.4980E-06	90-135	0.4956E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.1145E-06	82.5-127.5	0.1136E-06	45	0- 45	0.4042E-06	90-135	0.4014E-06
60-75.00	0.7579E-04	-7.5 TO 37.5	0.7096E-07	82.5-127.5	0.7021E-07	60	0- 45	0.2829E-06	90-135	0.2802E-06
75-89.60	0.7913E-04	-7.5 TO 37.5	0.2366E-07	82.5-127.5	0.2321E-07	75	0- 45	0.1430E-06	90-135	0.1410E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1889E-06	82.5-142.5	0.1886E-06	0	0- 60	0.7685E-06	90-150	0.7685E-06
15-30.00	0.4186E-04	-7.5 TO 52.5	0.1758E-06	82.5-142.5	0.1752E-06	15	0- 60	0.7424E-06	90-150	0.7406E-06
30-45.00	0.6658E-04	-7.5 TO 52.5	0.1504E-06	82.5-142.5	0.1495E-06	30	0- 60	0.6638E-06	90-150	0.6606E-06
45-60.00	0.8677E-04	-7.5 TO 52.5	0.1145E-06	82.5-142.5	0.1136E-06	45	0- 60	0.5388E-06	90-150	0.5349E-06
60-75.00	0.1010E-03	-7.5 TO 52.5	0.7092E-07	82.5-142.5	0.7014E-07	60	0- 60	0.3769E-06	90-150	0.3732E-06
75-89.60	0.1055E-03	-7.5 TO 52.5	0.2364E-07	82.5-142.5	0.2317E-07	75	0- 60	0.1906E-06	90-150	0.1878E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1889E-06	82.5-157.5	0.1886E-06	0	0- 75	0.9606E-06	90-165	0.9606E-06
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1758E-06	82.5-157.5	0.1751E-06	15	0- 75	0.9279E-06	90-165	0.9256E-06
30-45.00	0.8323E-04	-7.5 TO 67.5	0.1503E-06	82.5-157.5	0.1494E-06	30	0- 75	0.8295E-06	90-165	0.8255E-06
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1144E-06	82.5-157.5	0.1135E-06	45	0- 75	0.6731E-06	90-165	0.6683E-06
60-75.00	0.1263E-03	-7.5 TO 67.5	0.7087E-07	82.5-157.5	0.7008E-07	60	0- 75	0.4708E-06	90-165	0.4662E-06
75-89.60	0.1319E-03	-7.5 TO 67.5	0.2361E-07	82.5-157.5	0.2313E-07	75	0- 75	0.2380E-06	90-165	0.2345E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.1889E-06	82.5-172.5	0.1886E-06	0	0- 90	0.1153E-05	90-180	0.1153E-05
15-30.00	0.6278E-04	-7.5 TO 82.5	0.1757E-06	82.5-172.5	0.1751E-06	15	0- 90	0.1113E-05	90-180	0.1111E-05
30-45.00	0.9987E-04	-7.5 TO 82.5	0.1502E-06	82.5-172.5	0.1494E-06	30	0- 90	0.9950E-06	90-180	0.9903E-06
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1143E-06	82.5-172.5	0.1134E-06	45	0- 90	0.8073E-06	90-180	0.8016E-06
60-75.00	0.1514E-03	-7.5 TO 82.5	0.7081E-07	82.5-172.5	0.7003E-07	60	0- 90	0.5646E-06	90-180	0.5592E-06
75-89.60	0.1583E-03	-7.5 TO 82.5	0.2357E-07	82.5-172.5	0.2310E-07	75	0- 90	0.2852E-06	90-180	0.2812E-06
0-15.00	0.2495E-04	-7.5 TO 97.5	0.1889E-06	82.5-187.5	0.1886E-06	0	0-105	0.1345E-05	90-195	0.1345E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.1757E-06	82.5-187.5	0.1751E-06	15	0-105	0.1299E-05	90-195	0.1296E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1502E-06	82.5-187.5	0.1493E-06	30	0-105	0.1160E-05	90-195	0.1155E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.1143E-06	82.5-187.5	0.1134E-06	45	0-105	0.9413E-06	90-195	0.9349E-06
60-75.00	0.1768E-03	-7.5 TO 97.5	0.7075E-07	82.5-187.5	0.6999E-07	60	0-105	0.6581E-06	90-195	0.6521E-06
75-89.60	0.1846E-03	-7.5 TO 97.5	0.2353E-07	82.5-187.5	0.2308E-07	75	0-105	0.3324E-06	90-195	0.3279E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Continued. Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0045$ $\cosh \mu_2 = 166.6515$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 119.70$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.2832E-06	82.5- 97.5	0.2827E-06	0	0- 15	0.2878E-06	90-105	0.2878E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.2638E-06	82.5- 97.5	0.2627E-06	15	0- 15	0.2784E-06	90-105	0.2775E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.2258E-06	82.5- 97.5	0.2243E-06	30	0- 15	0.2491E-06	90-105	0.2477E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.1720E-06	82.5- 97.5	0.1705E-06	45	0- 15	0.2024E-06	90-105	0.2007E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1067E-06	82.5- 97.5	0.1054E-06	60	0- 15	0.1417E-06	90-105	0.1401E-06
75-85.60	0.2638E-04	-7.5 TO 7.5	0.3564E-07	82.5- 97.5	0.3491E-07	75	0- 15	0.7176E-07	90-105	0.7058E-07
0-15.00	0.7138E-05	-7.5 TO 22.5	0.2832E-06	82.5-112.5	0.2827E-06	0	0- 30	0.5757E-06	90-120	0.5757E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.2638E-06	82.5-112.5	0.2626E-06	15	0- 30	0.5567E-06	90-120	0.5549E-06
30-45.00	0.3329E-04	-7.5 TO 22.5	0.2257E-06	82.5-112.5	0.2241E-06	30	0- 30	0.4982E-06	90-120	0.4951E-06
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1720E-06	82.5-112.5	0.1703E-06	45	0- 30	0.4047E-06	90-120	0.4009E-06
60-75.00	0.5052E-04	-7.5 TO 22.5	0.1067E-06	82.5-112.5	0.1053E-06	60	0- 30	0.2834E-06	90-120	0.2799E-06
75-85.60	0.5275E-04	-7.5 TO 22.5	0.3563E-07	82.5-112.5	0.3482E-07	75	0- 30	0.1434E-06	90-120	0.1409E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.2832E-06	82.5-127.5	0.2826E-06	0	0- 45	0.8635E-06	90-135	0.8635E-06
15-30.00	0.3139E-04	-7.5 TO 37.5	0.2637E-06	82.5-127.5	0.2625E-06	15	0- 45	0.8349E-06	90-135	0.8321E-06
30-45.00	0.4994E-04	-7.5 TO 37.5	0.2257E-06	82.5-127.5	0.2240E-06	30	0- 45	0.7470E-06	90-135	0.7421E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.1719E-06	82.5-127.5	0.1701E-06	45	0- 45	0.6067E-06	90-135	0.6009E-06
60-75.00	0.7579E-04	-7.5 TO 37.5	0.1066E-06	82.5-127.5	0.1051E-06	60	0- 45	0.4248E-06	90-135	0.4193E-06
75-85.60	0.7913E-04	-7.5 TO 37.5	0.3560E-07	82.5-127.5	0.3473E-07	75	0- 45	0.2150E-06	90-135	0.2110E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.2832E-06	82.5-142.5	0.2825E-06	0	0- 60	0.1151E-05	90-150	0.1151E-05
15-30.00	0.4188E-04	-7.5 TO 52.5	0.2637E-06	82.5-142.5	0.2623E-06	15	0- 60	0.1113E-05	90-150	0.1109E-05
30-45.00	0.6658E-04	-7.5 TO 52.5	0.2256E-06	82.5-142.5	0.2238E-06	30	0- 60	0.9957E-06	90-150	0.9890E-06
45-60.00	0.8677E-04	-7.5 TO 52.5	0.1719E-06	82.5-142.5	0.1700E-06	45	0- 60	0.8085E-06	90-150	0.8005E-06
60-75.00	0.1010E-03	-7.5 TO 52.5	0.1063E-06	82.5-142.5	0.1050E-06	60	0- 60	0.5660E-06	90-150	0.5584E-06
75-85.60	0.1055E-03	-7.5 TO 52.5	0.3556E-07	82.5-142.5	0.3465E-07	75	0- 60	0.2863E-06	90-150	0.2809E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.2831E-06	82.5-157.5	0.2825E-06	0	0- 75	0.1439E-05	90-165	0.1439E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.2636E-06	82.5-157.5	0.2622E-06	15	0- 75	0.1391E-05	90-165	0.1386E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.2255E-06	82.5-157.5	0.2237E-06	30	0- 75	0.1244E-05	90-165	0.1236E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1717E-06	82.5-157.5	0.1698E-06	45	0- 75	0.1010E-05	90-165	0.1000E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1064E-06	82.5-157.5	0.1048E-06	60	0- 75	0.7068E-06	90-165	0.6974E-06
75-85.60	0.1319E-03	-7.5 TO 67.5	0.3550E-07	82.5-157.5	0.3458E-07	75	0- 75	0.3575E-06	90-165	0.3506E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.2831E-06	82.5-172.5	0.2825E-06	0	0- 90	0.1727E-05	90-180	0.1727E-05
15-30.00	0.6278E-04	-7.5 TO 82.5	0.2635E-06	82.5-172.5	0.2622E-06	15	0- 90	0.1669E-05	90-180	0.1663E-05
30-45.00	0.9987E-04	-7.5 TO 82.5	0.2254E-06	82.5-172.5	0.2235E-06	30	0- 90	0.1492E-05	90-180	0.1482E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1716E-06	82.5-172.5	0.1697E-06	45	0- 90	0.1211E-05	90-180	0.1199E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1063E-06	82.5-172.5	0.1047E-06	60	0- 90	0.8473E-06	90-180	0.8363E-06
75-85.60	0.1583E-03	-7.5 TO 82.5	0.3544E-07	82.5-172.5	0.3452E-07	75	0- 90	0.4283E-06	90-180	0.4203E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.2830E-06	82.5-187.5	0.2824E-06	0	0-105	0.2015E-05	90-195	0.2015E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.2634E-06	82.5-187.5	0.2621E-06	15	0-105	0.1946E-05	90-195	0.1940E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.2252E-06	82.5-187.5	0.2234E-06	30	0-105	0.1740E-05	90-195	0.1729E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.1714E-06	82.5-187.5	0.1696E-06	45	0-105	0.1412E-05	90-195	0.1399E-05
60-75.00	0.1766E-03	-7.5 TO 97.5	0.1062E-06	82.5-187.5	0.1047E-06	60	0-105	0.9874E-06	90-195	0.9752E-06
75-85.60	0.1846E-03	-7.5 TO 97.5	0.3536E-07	82.5-187.5	0.3447E-07	75	0-105	0.4989E-06	90-195	0.4900E-06

$r_2/r_1 = 0.30$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0045$ $\cosh \mu_2 = 166.6515$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 104.67$

0-15.00	0.3569E-05	-7.5 TO 7.5	0.3520E-06	82.5- 97.5	0.3512E-06	0	0- 15	0.3575E-06	90-105	0.3575E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.3281E-06	82.5- 97.5	0.3264E-06	15	0- 15	0.3461E-06	90-105	0.3447E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.2810E-06	82.5- 97.5	0.2787E-06	30	0- 15	0.3100E-06	90-105	0.3076E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.2143E-06	82.5- 97.5	0.2118E-06	45	0- 15	0.2520E-06	90-105	0.2492E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1330E-06	82.5- 97.5	0.1310E-06	60	0- 15	0.1766E-06	90-105	0.1740E-06
75-85.60	0.2638E-04	-7.5 TO 7.5	0.4448E-07	82.5- 97.5	0.4337E-07	75	0- 15	0.8947E-07	90-105	0.8764E-07
0-15.00	0.7138E-05	-7.5 TO 22.5	0.3520E-06	82.5-112.5	0.3511E-06	0	0- 30	0.7151E-06	90-120	0.7151E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.3281E-06	82.5-112.5	0.3261E-06	15	0- 30	0.6921E-06	90-120	0.6891E-06
30-45.00	0.3329E-04	-7.5 TO 22.5	0.2810E-06	82.5-112.5	0.2783E-06	30	0- 30	0.6198E-06	90-120	0.6147E-06
45-60.00	0.4339E-04	-7.5 TO 22.5	0.2142E-06	82.5-112.5	0.2115E-06	45	0- 30	0.5039E-06	90-120	0.4977E-06
60-75.00	0.5052E-04	-7.5 TO 22.5	0.1329E-06	82.5-112.5	0.1307E-06	60	0- 30	0.3530E-06	90-120	0.3474E-06
75-85.60	0.5275E-04	-7.5 TO 22.5	0.4446E-07	82.5-112.5	0.4323E-07	75	0- 30	0.1788E-06	90-120	0.1749E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.3520E-06	82.5-127.5	0.3510E-06	0	0- 45	0.1073E-05	90-135	0.1073E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.3280E-06	82.5-127.5	0.3259E-06	15	0- 45	0.1038E-05	90-135	0.1033E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.2809E-06	82.5-127.5	0.2781E-06	30	0- 45	0.9294E-06	90-135	0.9213E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.2141E-06	82.5-127.5	0.2112E-06	45	0- 45	0.7554E-06	90-135	0.7457E-06
60-75.00	0.7579E-04	-7.5 TO 37.5	0.1329E-06	82.5-127.5	0.1305E-06	60	0- 45	0.5292E-06	90-135	0.5202E-06
75-85.60	0.7913E-04	-7.5 TO 37.5	0.4442E-07	82.5-127.5	0.4310E-07	75	0- 45	0.2680E-06	90-135	0.2617E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.3519E-06	82.5-142.5	0.3509E-06	0	0- 60	0.1430E-05	90-150	0.1430E-05
15-30.00	0.4188E-04	-7.5 TO 52.5	0.3279E-06	82.5-142.5	0.3257E-06	15	0- 60	0.1384E-05	90-150	0.1377E-05
30-45.00	0.6658E-04	-7.5 TO 52.5	0.2808E-06	82.5-142.5	0.2778E-06	30	0- 60	0.1239E-05	90-150	0.1227E-05
45-60.00	0.8677E-04	-7.5 TO 52.5	0.2140E-06	82.5-142.5	0.2109E-06	45	0- 60	0.1006E-05	90-150	0.9932E-06
60-75.00	0.1010E-03	-7.5 TO 52.5	0.1327E-06	82.5-142.5	0.1302E-06	60	0- 60	0.7049E-06	90-150	0.6927E-06
75-85.60	0.1055E-03	-7.5 TO 52.5	0.4435E-07	82.5-142.5	0.4297E-07	75	0- 60	0.3568E-06	90-150	0.3483E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.3519E-06	82.5-157.5	0.3508E-06	0	0- 75	0.1788E-05	90-165	0.1788E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.3278E-06	82.5-157.5	0.3255E-06	15	0- 75	0.1729E-05	90-165	0.1721E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.2806E-06	82.5-157.5	0.2775E-06	30	0- 75	0.1547E-05	90-165	0.1533E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.2138E-06	82.5-157.5	0.2107E-06	45	0- 75	0.1257E-05	90-165	0.1240E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1326E-06	82.5-157.5	0.1300E-06	60	0- 75	0.8800E-06	90-165	0.8648E-06
75-85.60	0.1319E-03	-7.5 TO 67.5	0.4427E-07	82.5-157.5	0.4286E-07	75	0- 75	0.4453E-06	90-165	0.4346E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.3518E-06	82.5-172.5	0.3508E-06	0	0- 90	0.2145E-05	90-180	0.2145E-05
15-30.00	0.6278E-04	-7.5 TO 82.5	0.3276E-06	82.5-172.5	0.3254E-06	15	0- 90	0.2074E-05	90-180	0.2065E-05
30-45.00	0.9987E-04	-7.5 TO 82.5	0.2804E-06	82.5-172.5	0.2773E-06	30	0- 90	0.1855E-05	90-180	0.1839E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.2136E-06	82.5-172.5	0.2105E-06	45	0- 90	0.1507E-05	90-180	0.1487E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1324E-06	82.5-172.5	0.1299E-06	60	0- 90	0.1055E-05	90-180	0.1037E-05
75-85.60	0.1583E-03	-7.5 TO 82.5	0.4416E-07	82.5-172.5	0.4277E-07	75	0- 90	0.5334E-06	90-180	0.5209E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.3517E-06	82.5-187.5	0.3507E-06	0	0-105	0.2503E-05	90-195	0.2503E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.3274E-06	82.5-187.5	0.3253E-06	15	0-105	0.2419E-05	90-195	0.2408E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.2801E-06	82.5-187.5	0.2772E-06	30	0-105	0.2163E-05	90-195	0.2145E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.2133E-06	82.5-187.5	0.2103E-06	45	0-105	0.1756E-05	90-195	0.1734E-05
60-75.00	0.1766E-03	-7.5 TO 97.5	0.1322E-06	82.5-187.5	0.1297E-06	60	0-105	0.1229E-05	90-195	0.1209E-05
75-85.60	0.1846E-03	-7.5 TO 97.5	0.4405E-07	82.5-187.5	0.4270E-07	75	0-105	0.6210E-06	90-195	0.6071E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(d) Concluded. Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0045$ $\cosh \mu_2 = 166.6515$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 89.66$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.3770E-06	82.5- 97.5	0.3758E-06	0	0- 15	0.3826E-06	90-105	0.3826E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.3517E-06	82.5- 97.5	0.3492E-06	15	0- 15	0.3708E-06	90-105	0.3688E-06
30-45.00	0.1668E-04	-7.5 TO 7.5	0.3016E-06	82.5- 97.5	0.2982E-06	30	0- 15	0.3325E-06	90-105	0.3291E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.2301E-06	82.5- 97.5	0.2267E-06	45	0- 15	0.2705E-06	90-105	0.2665E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1429E-06	82.5- 97.5	0.1401E-06	60	0- 15	0.1897E-06	90-105	0.1861E-06
75-89.60	0.2636E-04	-7.5 TO 7.5	0.4782E-07	82.5- 97.5	0.4641E-07	75	0- 15	0.9617E-07	90-105	0.9373E-07
0-15.00	0.7138E-05	-7.5 TO 22.5	0.3770E-06	82.5-112.5	0.3757E-06	0	0- 30	0.7652E-06	90-120	0.7652E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.3517E-06	82.5-112.5	0.3489E-06	15	0- 30	0.7414E-06	90-120	0.7372E-06
30-45.00	0.3329E-04	-7.5 TO 22.5	0.3015E-06	82.5-112.5	0.2978E-06	30	0- 30	0.6647E-06	90-120	0.6574E-06
45-60.00	0.4339E-04	-7.5 TO 22.5	0.2301E-06	82.5-112.5	0.2262E-06	45	0- 30	0.5408E-06	90-120	0.5322E-06
60-75.00	0.5052E-04	-7.5 TO 22.5	0.1428E-06	82.5-112.5	0.1398E-06	60	0- 30	0.3792E-06	90-120	0.3714E-06
75-89.60	0.5275E-04	-7.5 TO 22.5	0.4780E-07	82.5-112.5	0.4624E-07	75	0- 30	0.1922E-06	90-120	0.1869E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.3769E-06	82.5-127.5	0.3755E-06	0	0- 45	0.1148E-05	90-135	0.1148E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.3516E-06	82.5-127.5	0.3486E-06	15	0- 45	0.1112E-05	90-135	0.1105E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.3014E-06	82.5-127.5	0.2974E-06	30	0- 45	0.9966E-06	90-135	0.9851E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.2299E-06	82.5-127.5	0.2258E-06	45	0- 45	0.8107E-06	90-135	0.7971E-06
60-75.00	0.7579E-04	-7.5 TO 37.5	0.1427E-06	82.5-127.5	0.1395E-06	60	0- 45	0.5683E-06	90-135	0.5559E-06
75-89.60	0.7913E-04	-7.5 TO 37.5	0.4774E-07	82.5-127.5	0.4606E-07	75	0- 45	0.2879E-06	90-135	0.2796E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.3769E-06	82.5-142.5	0.3754E-06	0	0- 60	0.1530E-05	90-150	0.1530E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.3514E-06	82.5-142.5	0.3483E-06	15	0- 60	0.1482E-05	90-150	0.1473E-05
30-45.00	0.6658E-04	-7.5 TO 52.5	0.3012E-06	82.5-142.5	0.2970E-06	30	0- 60	0.1328E-05	90-150	0.1312E-05
45-60.00	0.8677E-04	-7.5 TO 52.5	0.2297E-06	82.5-142.5	0.2254E-06	45	0- 60	0.1080E-05	90-150	0.1061E-05
60-75.00	0.1010E-03	-7.5 TO 52.5	0.1426E-06	82.5-142.5	0.1392E-06	60	0- 60	0.7567E-06	90-150	0.7399E-06
75-89.60	0.1055E-03	-7.5 TO 52.5	0.4766E-07	82.5-142.5	0.4591E-07	75	0- 60	0.3833E-06	90-150	0.3719E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.3768E-06	82.5-157.5	0.3753E-06	0	0- 75	0.1913E-05	90-165	0.1913E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.3513E-06	82.5-157.5	0.3481E-06	15	0- 75	0.1852E-05	90-165	0.1840E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.3009E-06	82.5-157.5	0.2966E-06	30	0- 75	0.1659E-05	90-165	0.1639E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.2295E-06	82.5-157.5	0.2251E-06	45	0- 75	0.1348E-05	90-165	0.1325E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1424E-06	82.5-157.5	0.1389E-06	60	0- 75	0.9445E-06	90-165	0.9234E-06
75-89.60	0.1319E-03	-7.5 TO 67.5	0.4755E-07	82.5-157.5	0.4577E-07	75	0- 75	0.4781E-06	90-165	0.4640E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.3767E-06	82.5-172.5	0.3752E-06	0	0- 90	0.2296E-05	90-180	0.2296E-05
15-30.00	0.6278E-04	-7.5 TO 82.5	0.3510E-06	82.5-172.5	0.3479E-06	15	0- 90	0.2221E-05	90-180	0.2208E-05
30-45.00	0.9987E-04	-7.5 TO 82.5	0.3006E-06	82.5-172.5	0.2964E-06	30	0- 90	0.1988E-05	90-180	0.1965E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.2291E-06	82.5-172.5	0.2248E-06	45	0- 90	0.1616E-05	90-180	0.1589E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1421E-06	82.5-172.5	0.1387E-06	60	0- 90	0.1131E-05	90-180	0.1107E-05
75-89.60	0.1583E-03	-7.5 TO 82.5	0.4742E-07	82.5-172.5	0.4566E-07	75	0- 90	0.5724E-06	90-180	0.5559E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.3765E-06	82.5-187.5	0.3751E-06	0	0-105	0.2678E-05	90-195	0.2678E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.3508E-06	82.5-187.5	0.3477E-06	15	0-105	0.2590E-05	90-195	0.2575E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.3003E-06	82.5-187.5	0.2961E-06	30	0-105	0.2317E-05	90-195	0.2292E-05
45-60.00	0.1515E-03	-7.5 TO 97.5	0.2288E-06	82.5-187.5	0.2246E-06	45	0-105	0.1882E-05	90-195	0.1852E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.1418E-06	82.5-187.5	0.1385E-06	60	0-105	0.1317E-05	90-195	0.1290E-05
75-89.60	0.1846E-03	-7.5 TO 97.5	0.4728E-07	82.5-187.5	0.4557E-07	75	0-105	0.6661E-06	90-195	0.6477E-06

$r_2/r_1 = 0.30$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0045$ $\cosh \mu_2 = 166.6515$ $\alpha_{2,max} = 90.40$ $\theta_{2,min} = 89.26$

0-15.00	0.3569E-05	-7.5 TO 7.5	0.3770E-06	82.5- 97.5	0.3758E-06	0	0- 15	0.3826E-06	90-105	0.3826E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.3517E-06	82.5- 97.5	0.3492E-06	15	0- 15	0.3708E-06	90-105	0.3688E-06
30-45.00	0.1668E-04	-7.5 TO 7.5	0.3016E-06	82.5- 97.5	0.2982E-06	30	0- 15	0.3325E-06	90-105	0.3291E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.2301E-06	82.5- 97.5	0.2267E-06	45	0- 15	0.2705E-06	90-105	0.2665E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1429E-06	82.5- 97.5	0.1401E-06	60	0- 15	0.1897E-06	90-105	0.1861E-06
75-89.60	0.2636E-04	-7.5 TO 7.5	0.4783E-07	82.5- 97.5	0.4641E-07	75	0- 15	0.9618E-07	90-105	0.9373E-07
0-15.00	0.7138E-05	-7.5 TO 22.5	0.3770E-06	82.5-112.5	0.3757E-06	0	0- 30	0.7652E-06	90-120	0.7652E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.3517E-06	82.5-112.5	0.3489E-06	15	0- 30	0.7414E-06	90-120	0.7372E-06
30-45.00	0.3329E-04	-7.5 TO 22.5	0.3015E-06	82.5-112.5	0.2978E-06	30	0- 30	0.6647E-06	90-120	0.6574E-06
45-60.00	0.4339E-04	-7.5 TO 22.5	0.2301E-06	82.5-112.5	0.2262E-06	45	0- 30	0.5408E-06	90-120	0.5322E-06
60-75.00	0.5052E-04	-7.5 TO 22.5	0.1428E-06	82.5-112.5	0.1398E-06	60	0- 30	0.3792E-06	90-120	0.3714E-06
75-89.60	0.5275E-04	-7.5 TO 22.5	0.4780E-07	82.5-112.5	0.4624E-07	75	0- 30	0.1922E-06	90-120	0.1869E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.3769E-06	82.5-127.5	0.3755E-06	0	0- 45	0.1148E-05	90-135	0.1148E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.3516E-06	82.5-127.5	0.3486E-06	15	0- 45	0.1112E-05	90-135	0.1105E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.3014E-06	82.5-127.5	0.2974E-06	30	0- 45	0.9966E-06	90-135	0.9851E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.2299E-06	82.5-127.5	0.2258E-06	45	0- 45	0.8107E-06	90-135	0.7971E-06
60-75.00	0.7579E-04	-7.5 TO 37.5	0.1427E-06	82.5-127.5	0.1395E-06	60	0- 45	0.5683E-06	90-135	0.5559E-06
75-89.60	0.7913E-04	-7.5 TO 37.5	0.4775E-07	82.5-127.5	0.4606E-07	75	0- 45	0.2879E-06	90-135	0.2796E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.3769E-06	82.5-142.5	0.3754E-06	0	0- 60	0.1530E-05	90-150	0.1530E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.3514E-06	82.5-142.5	0.3483E-06	15	0- 60	0.1482E-05	90-150	0.1473E-05
30-45.00	0.6658E-04	-7.5 TO 52.5	0.3012E-06	82.5-142.5	0.2970E-06	30	0- 60	0.1328E-05	90-150	0.1312E-05
45-60.00	0.8677E-04	-7.5 TO 52.5	0.2297E-06	82.5-142.5	0.2254E-06	45	0- 60	0.1080E-05	90-150	0.1061E-05
60-75.00	0.1010E-03	-7.5 TO 52.5	0.1426E-06	82.5-142.5	0.1392E-06	60	0- 60	0.7567E-06	90-150	0.7399E-06
75-89.60	0.1055E-03	-7.5 TO 52.5	0.4766E-07	82.5-142.5	0.4591E-07	75	0- 60	0.3833E-06	90-150	0.3719E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.3768E-06	82.5-157.5	0.3753E-06	0	0- 75	0.1913E-05	90-165	0.1913E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.3513E-06	82.5-157.5	0.3481E-06	15	0- 75	0.1852E-05	90-165	0.1840E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.3009E-06	82.5-157.5	0.2966E-06	30	0- 75	0.1659E-05	90-165	0.1639E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.2295E-06	82.5-157.5	0.2251E-06	45	0- 75	0.1348E-05	90-165	0.1325E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1424E-06	82.5-157.5	0.1389E-06	60	0- 75	0.9445E-06	90-165	0.9234E-06
75-89.60	0.1319E-03	-7.5 TO 67.5	0.4755E-07	82.5-157.5	0.4577E-07	75	0- 75	0.4781E-06	90-165	0.4640E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.3767E-06	82.5-172.5	0.3752E-06	0	0- 90	0.2296E-05	90-180	0.2296E-05
15-30.00	0.6278E-04	-7.5 TO 82.5	0.3510E-06	82.5-172.5	0.3479E-06	15	0- 90	0.2221E-05	90-180	0.2208E-05
30-45.00	0.9987E-04	-7.5 TO 82.5	0.3006E-06	82.5-172.5	0.2964E-06	30	0- 90	0.1988E-05	90-180	0.1965E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.2291E-06	82.5-172.5	0.2248E-06	45	0- 90	0.1616E-05	90-180	0.1589E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1421E-06	82.5-172.5	0.1387E-06	60	0- 90	0.1131E-05	90-180	0.1107E-05
75-89.60	0.1583E-03	-7.5 TO 82.5	0.4742E-07	82.5-172.5	0.4566E-07	75	0- 90	0.5724E-06	90-180	0.5559E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.3765E-06	82.5-187.5	0.3751E-06	0	0-105	0.2678E-05	90-195	0.2678E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.3508E-06	82.5-187.5	0.3477E-06	15	0-105	0.2590E-05	90-195	0.2575E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.3003E-06	82.5-187.5	0.2961E-06	30	0-105	0.2317E-05	90-195	0.2292E-05
45-60.00	0.1515E-03	-7.5 TO 97.5	0.2288E-06	82.5-187.5	0.2246E-06	45	0-105	0.1882E-05	90-195	0.1852E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.1418E-06	82.5-187.5	0.1385E-06	60	0-105	0.1317E-05	90-195	0.1290E-05
75-89.60	0.1846E-03	-7.5 TO 97.5	0.4728E-07	82.5-187.5	0.4557E-07	75	0-105	0.6661E-06	90-195	0.6477E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 1.401$ $\cosh \mu_1 = 1.0003$ $\cosh \mu_2 = 1.0018$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 25.56$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1566E 02	-7.5 TO 7.5	0.9427E-01	82.5- 97.5	0.4495E-05	0	0- 15	0.4150E-01	90-105	0.4150E-01
15-30.00	0.4574E 02	-7.5 TO 7.5	0.1180E-05	82.5- 97.5	0.	15	0- 15	0.3883E-04	90-105	0.
30-45.00	0.7276E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	30	0- 15	0.	90-105	0.
45-60.00	0.9483E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
60-64.64	0.3265E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.3120E 02	-7.5 TO 22.5	0.5972E-01	82.5-112.5	0.3480E-05	0	0- 30	0.8299E-01	90-120	0.8299E-01
15-30.00	0.9148E 02	-7.5 TO 22.5	0.9995E-06	82.5-112.5	0.	15	0- 30	0.5605E-04	90-120	0.
30-45.00	0.1455E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	30	0- 30	0.	90-120	0.
45-60.00	0.1897E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
60-64.64	0.6570E 02	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.4660E 02	-7.5 TO 37.5	0.4072E-01	82.5-127.5	0.2905E-05	0	0- 45	0.1245E 00	90-135	0.1245E 00
15-30.00	0.1372E 03	-7.5 TO 37.5	0.7424E-06	82.5-127.5	0.	15	0- 45	0.5774E-04	90-135	0.
30-45.00	0.2183E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	30	0- 45	0.	90-135	0.
45-60.00	0.2845E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
60-64.64	0.9855E 02	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.6241E 02	-7.5 TO 52.5	0.3067E-01	82.5-142.5	0.2523E-05	0	0- 60	0.1660E 00	90-150	0.1660E 00
15-30.00	0.1880E 03	-7.5 TO 52.5	0.5592E-06	82.5-142.5	0.	15	0- 60	0.5774E-04	90-150	0.
30-45.00	0.2911E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	30	0- 60	0.	90-150	0.
45-60.00	0.3793E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
60-64.64	0.1314E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.7801E 02	-7.5 TO 67.5	0.2456E-01	82.5-157.5	0.2253E-05	0	0- 75	0.2075E 00	90-165	0.2075E 00
15-30.00	0.2287E 03	-7.5 TO 67.5	0.4474E-06	82.5-157.5	0.	15	0- 75	0.5774E-04	90-165	0.
30-45.00	0.3638E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	30	0- 75	0.	90-165	0.
45-60.00	0.4741E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
60-64.64	0.1642E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.9361E 02	-7.5 TO 82.5	0.2047E-01	82.5-172.5	0.2055E-05	0	0- 90	0.2490E 00	90-180	0.2490E 00
15-30.00	0.2745E 03	-7.5 TO 82.5	0.3728E-06	82.5-172.5	0.	15	0- 90	0.5774E-04	90-180	0.
30-45.00	0.4366E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	30	0- 90	0.	90-180	0.
45-60.00	0.5690E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
60-64.64	0.1971E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.1092E 03	-7.5 TO 97.5	0.1754E-01	82.5-187.5	0.1905E-05	0	0-105	0.2905E 00	90-195	0.2905E 00
15-30.00	0.3202E 03	-7.5 TO 97.5	0.3195E-06	82.5-187.5	0.	15	0-105	0.5774E-04	90-195	0.
30-45.00	0.5093E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	30	0-105	0.	90-195	0.
45-60.00	0.6638E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.
60-64.64	0.2259E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.

$r_2/r_1 = 0.40$ $d/r_1 = 1.401$ $\cosh \mu_1 = 1.0003$ $\cosh \mu_2 = 1.0018$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 12.72$

0-15.00	0.1566E 02	-7.5 TO 7.5	0.2492E 00	82.5- 97.5	0.5246E-05	0	0- 15	0.4150E-01	90-105	0.4150E-01
15-30.00	0.4574E 02	-7.5 TO 7.5	0.3766E-02	82.5- 97.5	0.	15	0- 15	0.2700E-01	90-105	0.
30-45.00	0.7276E 02	-7.5 TO 7.5	0.1350E-05	82.5- 97.5	0.	30	0- 15	0.2632E-04	90-105	0.
45-60.00	0.9483E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
60-64.64	0.3265E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.3120E 02	-7.5 TO 22.5	0.1735E 00	82.5-112.5	0.3856E-05	0	0- 30	0.8299E-01	90-120	0.8299E-01
15-30.00	0.9148E 02	-7.5 TO 22.5	0.3234E-02	82.5-112.5	0.	15	0- 30	0.3883E-01	90-120	0.
30-45.00	0.1455E 03	-7.5 TO 22.5	0.1048E-05	82.5-112.5	0.	30	0- 30	0.3217E-04	90-120	0.
45-60.00	0.1897E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
60-64.64	0.6570E 02	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.4660E 02	-7.5 TO 37.5	0.1216E 00	82.5-127.5	0.3155E-05	0	0- 45	0.1245E 00	90-135	0.1245E 00
15-30.00	0.1372E 03	-7.5 TO 37.5	0.2536E-02	82.5-127.5	0.	15	0- 45	0.4236E-01	90-135	0.
30-45.00	0.2183E 03	-7.5 TO 37.5	0.7217E-06	82.5-127.5	0.	30	0- 45	0.3217E-04	90-135	0.
45-60.00	0.2845E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
60-64.64	0.9855E 02	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.6241E 02	-7.5 TO 52.5	0.9206E-01	82.5-142.5	0.2711E-05	0	0- 60	0.1660E 00	90-150	0.1660E 00
15-30.00	0.1880E 03	-7.5 TO 52.5	0.1987E-02	82.5-142.5	0.	15	0- 60	0.4324E-01	90-150	0.
30-45.00	0.2911E 03	-7.5 TO 52.5	0.5413E-06	82.5-142.5	0.	30	0- 60	0.3217E-04	90-150	0.
45-60.00	0.3793E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
60-64.64	0.1314E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.7801E 02	-7.5 TO 67.5	0.7377E-01	82.5-157.5	0.2403E-05	0	0- 75	0.2075E 00	90-165	0.2075E 00
15-30.00	0.2287E 03	-7.5 TO 67.5	0.1604E-02	82.5-157.5	0.	15	0- 75	0.4341E-01	90-165	0.
30-45.00	0.3638E 03	-7.5 TO 67.5	0.4330E-06	82.5-157.5	0.	30	0- 75	0.3217E-04	90-165	0.
45-60.00	0.4741E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
60-64.64	0.1642E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.9361E 02	-7.5 TO 82.5	0.6149E-01	82.5-172.5	0.2180E-05	0	0- 90	0.2490E 00	90-180	0.2490E 00
15-30.00	0.2745E 03	-7.5 TO 82.5	0.1338E-02	82.5-172.5	0.	15	0- 90	0.4342E-01	90-180	0.
30-45.00	0.4366E 03	-7.5 TO 82.5	0.3608E-06	82.5-172.5	0.	30	0- 90	0.3217E-04	90-180	0.
45-60.00	0.5690E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
60-64.64	0.1971E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.1092E 03	-7.5 TO 97.5	0.5271E-01	82.5-187.5	0.2016E-05	0	0-105	0.2905E 00	90-195	0.2905E 00
15-30.00	0.3202E 03	-7.5 TO 97.5	0.1147E-02	82.5-187.5	0.	15	0-105	0.4342E-01	90-195	0.
30-45.00	0.5093E 03	-7.5 TO 97.5	0.3093E-06	82.5-187.5	0.	30	0-105	0.3217E-04	90-195	0.
45-60.00	0.6638E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.
60-64.64	0.2259E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 1.401$ $\cosh \mu_1 = 1.0003$ $\cosh \mu_2 = 1.0018$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 8.25$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1560E 02	-7.5 TO 7.5	0.3038E 00	82.5- 97.5	0.5246E-05	0	0- 15	0.4150E-01	90-105	0.4150E-01
15-30.00	0.4574E 02	-7.5 TO 7.5	0.2939E-01	82.5- 97.5	0.	15	0- 15	0.1154E 00	90-105	0.
30-45.00	0.7276E 02	-7.5 TO 7.5	0.7048E-03	82.5- 97.5	0.	30	0- 15	0.3255E-02	90-105	0.
45-60.00	0.9463E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
60-64.64	0.3285E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.3126E 02	-7.5 TO 22.5	0.2176E 00	82.5-112.5	0.3856E-05	0	0- 30	0.8299E-01	90-120	0.8299E-01
15-30.00	0.9148E 02	-7.5 TO 22.5	0.2493E-01	82.5-112.5	0.	15	0- 30	0.1618E 00	90-120	0.
30-45.00	0.1455E 03	-7.5 TO 22.5	0.6269E-03	82.5-112.5	0.	30	0- 30	0.5278E-02	90-120	0.
45-60.00	0.1857E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
60-64.64	0.6570E 02	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.4666E 02	-7.5 TO 37.5	0.1544E 00	82.5-127.5	0.3155E-05	0	0- 45	0.1245E 00	90-135	0.1245E 00
15-30.00	0.1372E 03	-7.5 TO 37.5	0.1938E-01	82.5-127.5	0.	15	0- 45	0.1743E 00	90-135	0.
30-45.00	0.2163E 03	-7.5 TO 37.5	0.5044E-03	82.5-127.5	0.	30	0- 45	0.6087E-02	90-135	0.
45-60.00	0.2845E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
60-64.64	0.5855E 02	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.6241E 02	-7.5 TO 52.5	0.1172E 00	82.5-142.5	0.2711E-05	0	0- 60	0.1660E 00	90-150	0.1660E 00
15-30.00	0.1830E 03	-7.5 TO 52.5	0.1515E-01	82.5-142.5	0.	15	0- 60	0.1770E 00	90-150	0.
30-45.00	0.2911E 03	-7.5 TO 52.5	0.3962E-03	82.5-142.5	0.	30	0- 60	0.6283E-02	90-150	0.
45-60.00	0.3793E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
60-64.64	0.1314E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.7801E 02	-7.5 TO 67.5	0.9394E-01	82.5-157.5	0.2403E-05	0	0- 75	0.2075E 00	90-165	0.2075E 00
15-30.00	0.2287E 03	-7.5 TO 67.5	0.1223E-01	82.5-157.5	0.	15	0- 75	0.1774E 00	90-165	0.
30-45.00	0.3638E 03	-7.5 TO 67.5	0.3188E-03	82.5-157.5	0.	30	0- 75	0.6301E-02	90-165	0.
45-60.00	0.4741E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
60-64.64	0.1642E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.9361E 02	-7.5 TO 82.5	0.7830E-01	82.5-172.5	0.2180E-05	0	0- 90	0.2490E 00	90-180	0.2490E 00
15-30.00	0.2745E 03	-7.5 TO 82.5	0.1021E-01	82.5-172.5	0.	15	0- 90	0.1774E 00	90-180	0.
30-45.00	0.4366E 03	-7.5 TO 82.5	0.2657E-03	82.5-172.5	0.	30	0- 90	0.6301E-02	90-180	0.
45-60.00	0.5690E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
60-64.64	0.1971E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.1092E 03	-7.5 TO 97.5	0.6712E-01	82.5-187.5	0.2016E-05	0	0-105	0.2905E 00	90-195	0.2905E 00
15-30.00	0.3202E 03	-7.5 TO 97.5	0.8748E-02	82.5-187.5	0.	15	0-105	0.1774E 00	90-195	0.
30-45.00	0.5095E 03	-7.5 TO 97.5	0.2277E-03	82.5-187.5	0.	30	0-105	0.6301E-02	90-195	0.
45-60.00	0.6638E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.
60-64.64	0.2259E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.

$r_2/r_1 = 0.40$ $d/r_1 = 1.401$ $\cosh \mu_1 = 1.0003$ $\cosh \mu_2 = 1.0018$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 5.92$

0-15.00	0.1560E 02	-7.5 TO 7.5	0.3123E 00	82.5- 97.5	0.5246E-05	0	0- 15	0.4150E-01	90-105	0.4150E-01
15-30.00	0.4574E 02	-7.5 TO 7.5	0.5255E-01	82.5- 97.5	0.	15	0- 15	0.1399E 00	90-105	0.
30-45.00	0.7276E 02	-7.5 TO 7.5	0.3935E-02	82.5- 97.5	0.	30	0- 15	0.1229E-01	90-105	0.
45-60.00	0.9463E 02	-7.5 TO 7.5	0.7615E-04	82.5- 97.5	0.	45	0- 15	0.4943E-03	90-105	0.
60-64.64	0.3285E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.3126E 02	-7.5 TO 22.5	0.2247E 00	82.5-112.5	0.3856E-05	0	0- 30	0.8299E-01	90-120	0.8299E-01
15-30.00	0.9148E 02	-7.5 TO 22.5	0.4509E-01	82.5-112.5	0.	15	0- 30	0.1980E 00	90-120	0.
30-45.00	0.1455E 03	-7.5 TO 22.5	0.3549E-02	82.5-112.5	0.	30	0- 30	0.2002E-01	90-120	0.
45-60.00	0.1857E 03	-7.5 TO 22.5	0.0506E-04	82.5-112.5	0.	45	0- 30	0.7705E-03	90-120	0.
60-64.64	0.6570E 02	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.4666E 02	-7.5 TO 37.5	0.1598E 00	82.5-127.5	0.3155E-05	0	0- 45	0.1245E 00	90-135	0.1245E 00
15-30.00	0.1372E 03	-7.5 TO 37.5	0.3537E-01	82.5-127.5	0.	15	0- 45	0.2135E 00	90-135	0.
30-45.00	0.2162E 03	-7.5 TO 37.5	0.2924E-02	82.5-127.5	0.	30	0- 45	0.2332E-01	90-135	0.
45-60.00	0.2845E 03	-7.5 TO 37.5	0.4908E-04	82.5-127.5	0.	45	0- 45	0.8387E-03	90-135	0.
60-64.64	0.5855E 02	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.6241E 02	-7.5 TO 52.5	0.1214E 00	82.5-142.5	0.2711E-05	0	0- 60	0.1660E 00	90-150	0.1660E 00
15-30.00	0.1830E 03	-7.5 TO 52.5	0.2773E-01	82.5-142.5	0.	15	0- 60	0.2165E 00	90-150	0.
30-45.00	0.2911E 03	-7.5 TO 52.5	0.2339E-02	82.5-142.5	0.	30	0- 60	0.2430E-01	90-150	0.
45-60.00	0.3793E 03	-7.5 TO 52.5	0.3721E-04	82.5-142.5	0.	45	0- 60	0.8405E-03	90-150	0.
60-64.64	0.1314E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.7801E 02	-7.5 TO 67.5	0.9729E-01	82.5-157.5	0.2403E-05	0	0- 75	0.2075E 00	90-165	0.2075E 00
15-30.00	0.2287E 03	-7.5 TO 67.5	0.2239E-01	82.5-157.5	0.	15	0- 75	0.2168E 00	90-165	0.
30-45.00	0.3638E 03	-7.5 TO 67.5	0.1896E-02	82.5-157.5	0.	30	0- 75	0.2446E-01	90-165	0.
45-60.00	0.4741E 03	-7.5 TO 67.5	0.2977E-04	82.5-157.5	0.	45	0- 75	0.8405E-03	90-165	0.
60-64.64	0.1642E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.9361E 02	-7.5 TO 82.5	0.8109E-01	82.5-172.5	0.2180E-05	0	0- 90	0.2490E 00	90-180	0.2490E 00
15-30.00	0.2745E 03	-7.5 TO 82.5	0.1867E-01	82.5-172.5	0.	15	0- 90	0.2168E 00	90-180	0.
30-45.00	0.4366E 03	-7.5 TO 82.5	0.1582E-02	82.5-172.5	0.	30	0- 90	0.2446E-01	90-180	0.
45-60.00	0.5690E 03	-7.5 TO 82.5	0.2481E-04	82.5-172.5	0.	45	0- 90	0.8405E-03	90-180	0.
60-64.64	0.1971E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.1092E 03	-7.5 TO 97.5	0.6951E-01	82.5-187.5	0.2016E-05	0	0-105	0.2905E 00	90-195	0.2905E 00
15-30.00	0.3202E 03	-7.5 TO 97.5	0.1601E-01	82.5-187.5	0.	15	0-105	0.2168E 00	90-195	0.
30-45.00	0.5095E 03	-7.5 TO 97.5	0.1356E-02	82.5-187.5	0.	30	0-105	0.2446E-01	90-195	0.
45-60.00	0.6638E 03	-7.5 TO 97.5	0.2127E-04	82.5-187.5	0.	45	0-105	0.8405E-03	90-195	0.
60-64.64	0.2259E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 1.401$ $\cosh \mu_1 = 1.0003$ $\cosh \mu_2 = 1.0018$ $\alpha_{2,\max} = 75.00$ $\theta_{2,\min} = 4.46$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1560E 02	-7.5 TO 7.5	0.3131E 00	82.5- 97.5	0.5246E-05	0	0- 15	0.4150E-01	90-105	0.4150E-01
15-30.00	0.4574E 02	-7.5 TO 7.5	0.6203E-01	82.5- 97.5	0.	15	0- 15	0.1425E 00	90-105	0.
30-45.00	0.7276E 02	-7.5 TO 7.5	0.7810E-02	82.5- 97.5	0.	30	0- 15	0.2015E-01	90-105	0.
45-60.00	0.9483E 02	-7.5 TO 7.5	0.4629E-03	82.5- 97.5	0.	45	0- 15	0.1811E-02	90-105	0.
60-64.64	0.3285E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.3120E 02	-7.5 TO 22.5	0.2254E 00	82.5-112.5	0.3856E-05	0	0- 30	0.8299E-01	90-120	0.8299E-01
15-30.00	0.9148E 02	-7.5 TO 22.5	0.5345E-01	82.5-112.5	0.	15	0- 30	0.2012E 00	90-120	0.
30-45.00	0.1455E 03	-7.5 TO 22.5	0.7083E-02	82.5-112.5	0.	30	0- 30	0.3296E-01	90-120	0.
45-60.00	0.1897E 03	-7.5 TO 22.5	0.4128E-03	82.5-112.5	0.	45	0- 30	0.2988E-02	90-120	0.
60-64.64	0.6570E 02	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.4686E 02	-7.5 TO 37.5	0.1603E 00	82.5-127.5	0.3155E-05	0	0- 45	0.1245E 00	90-135	0.1245E 00
15-30.00	0.1372E 03	-7.5 TO 37.5	0.4206E-01	82.5-127.5	0.	15	0- 45	0.2167E 00	90-135	0.
30-45.00	0.2183E 03	-7.5 TO 37.5	0.5884E-02	82.5-127.5	0.	30	0- 45	0.3846E-01	90-135	0.
45-60.00	0.2845E 03	-7.5 TO 37.5	0.3319E-03	82.5-127.5	0.	45	0- 45	0.3462E-02	90-135	0.
60-64.64	0.9855E 02	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.6241E 02	-7.5 TO 52.5	0.1217E 00	82.5-142.5	0.2711E-05	0	0- 60	0.1660E 00	90-150	0.1660E 00
15-30.00	0.1830E 03	-7.5 TO 52.5	0.3298E-01	82.5-142.5	0.	15	0- 60	0.2197E 00	90-150	0.
30-45.00	0.2911E 03	-7.5 TO 52.5	0.4737E-02	82.5-142.5	0.	30	0- 60	0.4003E-01	90-150	0.
45-60.00	0.3793E 03	-7.5 TO 52.5	0.2595E-03	82.5-142.5	0.	45	0- 60	0.3558E-02	90-150	0.
60-64.64	0.1314E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.7801E 02	-7.5 TO 67.5	0.9757E-01	82.5-157.5	0.2403E-05	0	0- 75	0.2075E 00	90-165	0.2075E 00
15-30.00	0.2287E 03	-7.5 TO 67.5	0.2661E-01	82.5-157.5	0.	15	0- 75	0.2200E 00	90-165	0.
30-45.00	0.3638E 03	-7.5 TO 67.5	0.3846E-02	82.5-157.5	0.	30	0- 75	0.4022E-01	90-165	0.
45-60.00	0.4741E 03	-7.5 TO 67.5	0.2084E-03	82.5-157.5	0.	45	0- 75	0.3561E-02	90-165	0.
60-64.64	0.1642E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.9361E 02	-7.5 TO 82.5	0.8132E-01	82.5-172.5	0.2180E-05	0	0- 90	0.2490E 00	90-180	0.2490E 00
15-30.00	0.2745E 03	-7.5 TO 82.5	0.2219E-01	82.5-172.5	0.	15	0- 90	0.2200E 00	90-180	0.
30-45.00	0.4366E 03	-7.5 TO 82.5	0.3208E-02	82.5-172.5	0.	30	0- 90	0.4022E-01	90-180	0.
45-60.00	0.5690E 03	-7.5 TO 82.5	0.1736E-03	82.5-172.5	0.	45	0- 90	0.3561E-02	90-180	0.
60-64.64	0.1971E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.1092E 03	-7.5 TO 97.5	0.6971E-01	82.5-187.5	0.2016E-05	0	0-105	0.2905E 00	90-195	0.2905E 00
15-30.00	0.3202E 03	-7.5 TO 97.5	0.1902E-01	82.5-187.5	0.	15	0-105	0.2200E 00	90-195	0.
30-45.00	0.5093E 03	-7.5 TO 97.5	0.2749E-02	82.5-187.5	0.	30	0-105	0.4022E-01	90-195	0.
45-60.00	0.6638E 03	-7.5 TO 97.5	0.1488E-03	82.5-187.5	0.	45	0-105	0.3561E-02	90-195	0.
60-64.64	0.2259E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.

$r_2/r_1 = 0.40$ $d/r_1 = 1.401$ $\cosh \mu_1 = 1.0003$ $\cosh \mu_2 = 1.0018$ $\alpha_{2,\max} = 90.00$ $\theta_{2,\min} = 3.42$

0-15.00	0.1560E 02	-7.5 TO 7.5	0.3131E 00	82.5- 97.5	0.5246E-05	0	0- 15	0.4150E-01	90-105	0.4150E-01
15-30.00	0.4574E 02	-7.5 TO 7.5	0.6409E-01	82.5- 97.5	0.	15	0- 15	0.1425E 00	90-105	0.
30-45.00	0.7276E 02	-7.5 TO 7.5	0.1011E-01	82.5- 97.5	0.	30	0- 15	0.2351E-01	90-105	0.
45-60.00	0.9483E 02	-7.5 TO 7.5	0.9336E-03	82.5- 97.5	0.	45	0- 15	0.2952E-02	90-105	0.
60-64.64	0.3285E 02	-7.5 TO 7.5	0.5547E-05	82.5- 97.5	0.	60	0- 15	0.2927E-04	90-105	0.
0-15.00	0.3120E 02	-7.5 TO 22.5	0.2254E 00	82.5-112.5	0.3856E-05	0	0- 30	0.8299E-01	90-120	0.8299E-01
15-30.00	0.9148E 02	-7.5 TO 22.5	0.5525E-01	82.5-112.5	0.	15	0- 30	0.2012E 00	90-120	0.
30-45.00	0.1455E 03	-7.5 TO 22.5	0.9182E-02	82.5-112.5	0.	30	0- 30	0.3842E-01	90-120	0.
45-60.00	0.1897E 03	-7.5 TO 22.5	0.8429E-03	82.5-112.5	0.	45	0- 30	0.4932E-02	90-120	0.
60-64.64	0.6570E 02	-7.5 TO 22.5	0.4062E-05	82.5-112.5	0.	60	0- 30	0.3567E-04	90-120	0.
0-15.00	0.4686E 02	-7.5 TO 37.5	0.1603E 00	82.5-127.5	0.3155E-05	0	0- 45	0.1245E 00	90-135	0.1245E 00
15-30.00	0.1372E 03	-7.5 TO 37.5	0.4346E-01	82.5-127.5	0.	15	0- 45	0.2167E 00	90-135	0.
30-45.00	0.2183E 03	-7.5 TO 37.5	0.7038E-02	82.5-127.5	0.	30	0- 45	0.4465E-01	90-135	0.
45-60.00	0.2845E 03	-7.5 TO 37.5	0.6900E-03	82.5-127.5	0.	45	0- 45	0.5788E-02	90-135	0.
60-64.64	0.9855E 02	-7.5 TO 37.5	0.2760E-05	82.5-127.5	0.	60	0- 45	0.3567E-04	90-135	0.
0-15.00	0.6241E 02	-7.5 TO 52.5	0.1217E 00	82.5-142.5	0.2711E-05	0	0- 60	0.1660E 00	90-150	0.1660E 00
15-30.00	0.1830E 03	-7.5 TO 52.5	0.3406E-01	82.5-142.5	0.	15	0- 60	0.2197E 00	90-150	0.
30-45.00	0.2911E 03	-7.5 TO 52.5	0.6137E-02	82.5-142.5	0.	30	0- 60	0.4627E-01	90-150	0.
45-60.00	0.3793E 03	-7.5 TO 52.5	0.5453E-03	82.5-142.5	0.	45	0- 60	0.5981E-02	90-150	0.
60-64.64	0.1314E 03	-7.5 TO 52.5	0.2070E-05	82.5-142.5	0.	60	0- 60	0.3567E-04	90-150	0.
0-15.00	0.7801E 02	-7.5 TO 67.5	0.9757E-01	82.5-157.5	0.2403E-05	0	0- 75	0.2075E 00	90-165	0.2075E 00
15-30.00	0.2287E 03	-7.5 TO 67.5	0.2747E-01	82.5-157.5	0.	15	0- 75	0.2200E 00	90-165	0.
30-45.00	0.3638E 03	-7.5 TO 67.5	0.4974E-02	82.5-157.5	0.	30	0- 75	0.4646E-01	90-165	0.
45-60.00	0.4741E 03	-7.5 TO 67.5	0.4387E-03	82.5-157.5	0.	45	0- 75	0.5989E-02	90-165	0.
60-64.64	0.1642E 03	-7.5 TO 67.5	0.1656E-05	82.5-157.5	0.	60	0- 75	0.3567E-04	90-165	0.
0-15.00	0.9361E 02	-7.5 TO 82.5	0.8132E-01	82.5-172.5	0.2180E-05	0	0- 90	0.2490E 00	90-180	0.2490E 00
15-30.00	0.2745E 03	-7.5 TO 82.5	0.2291E-01	82.5-172.5	0.	15	0- 90	0.2200E 00	90-180	0.
30-45.00	0.4366E 03	-7.5 TO 82.5	0.4148E-02	82.5-172.5	0.	30	0- 90	0.4646E-01	90-180	0.
45-60.00	0.5690E 03	-7.5 TO 82.5	0.3656E-03	82.5-172.5	0.	45	0- 90	0.5989E-02	90-180	0.
60-64.64	0.1971E 03	-7.5 TO 82.5	0.1380E-05	82.5-172.5	0.	60	0- 90	0.3567E-04	90-180	0.
0-15.00	0.1092E 03	-7.5 TO 97.5	0.6971E-01	82.5-187.5	0.2016E-05	0	0-105	0.2905E 00	90-195	0.2905E 00
15-30.00	0.3202E 03	-7.5 TO 97.5	0.1963E-01	82.5-187.5	0.	15	0-105	0.2200E 00	90-195	0.
30-45.00	0.5093E 03	-7.5 TO 97.5	0.3955E-02	82.5-187.5	0.	30	0-105	0.4646E-01	90-195	0.
45-60.00	0.6638E 03	-7.5 TO 97.5	0.3134E-03	82.5-187.5	0.	45	0-105	0.5989E-02	90-195	0.
60-64.64	0.2259E 03	-7.5 TO 97.5	0.1183E-05	82.5-187.5	0.	60	0-105	0.3567E-04	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 1.401$ $\cosh \mu_1 = 1.0003$ $\cosh \mu_2 = 1.0018$ $\alpha_{2,max} = 105.00$ $\theta_{2,min} = 2.63$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1560E 02	-7.5 TO 7.5	0.3131E 00	82.5- 97.5	0.5246E-05	0	0- 15	0.4150E-01	90-105	0.4150E-01
15-30.00	0.4574E 02	-7.5 TO 7.5	0.6419E-01	82.5- 97.5	0.	15	0- 15	0.1425E 00	90-105	0.
30-45.00	0.7276E 02	-7.5 TO 7.5	0.1075E-01	82.5- 97.5	0.	30	0- 15	0.2393E-01	90-105	0.
45-60.00	0.9483E 02	-7.5 TO 7.5	0.1188E-02	82.5- 97.5	0.	45	0- 15	0.3454E-02	90-105	0.
60-64.64	0.3285E 02	-7.5 TO 7.5	0.2606E-04	82.5- 97.5	0.	60	0- 15	0.8498E-04	90-105	0.
0-15.00	0.3120E 02	-7.5 TO 22.5	0.2294E 00	82.5-112.5	0.3856E-05	0	0- 30	0.8299E-01	90-120	0.8299E-01
15-30.00	0.9148E 02	-7.5 TO 22.5	0.5533E-01	82.5-112.5	0.	15	0- 30	0.2012E 00	90-120	0.
30-45.00	0.1455E 03	-7.5 TO 22.5	0.9754E-02	82.5-112.5	0.	30	0- 30	0.3900E-01	90-120	0.
45-60.00	0.1897E 03	-7.5 TO 22.5	0.1074E-02	82.5-112.5	0.	45	0- 30	0.5759E-02	90-120	0.
60-64.64	0.6570E 02	-7.5 TO 22.5	0.2081E-04	82.5-112.5	0.	60	0- 30	0.1184E-03	90-120	0.
0-15.00	0.4686E 02	-7.5 TO 37.5	0.1003E 00	82.5-127.5	0.3155E-05	0	0- 45	0.1245E 00	90-135	0.1245E 00
15-30.00	0.1372E 03	-7.5 TO 37.5	0.4352E-01	82.5-127.5	0.	15	0- 45	0.2167E 00	90-135	0.
30-45.00	0.2183E 03	-7.5 TO 37.5	0.8085E-02	82.5-127.5	0.	30	0- 45	0.4524E-01	90-135	0.
45-60.00	0.2845E 03	-7.5 TO 37.5	0.8794E-03	82.5-127.5	0.	45	0- 45	0.6725E-02	90-135	0.
60-64.64	0.9855E 02	-7.5 TO 37.5	0.1473E-04	82.5-127.5	0.	60	0- 45	0.1205E-03	90-135	0.
0-15.00	0.6241E 02	-7.5 TO 52.5	0.1217E 00	82.5-142.5	0.2711E-05	0	0- 60	0.1660E 00	90-150	0.1660E 00
15-30.00	0.1830E 03	-7.5 TO 52.5	0.3410E-01	82.5-142.5	0.	15	0- 60	0.2197E 00	90-150	0.
30-45.00	0.2911E 03	-7.5 TO 52.5	0.6482E-02	82.5-142.5	0.	30	0- 60	0.4686E-01	90-150	0.
45-60.00	0.3793E 03	-7.5 TO 52.5	0.6931E-03	82.5-142.5	0.	45	0- 60	0.6925E-02	90-150	0.
60-64.64	0.1314E 03	-7.5 TO 52.5	0.1105E-04	82.5-142.5	0.	60	0- 60	0.1205E-03	90-150	0.
0-15.00	0.7801E 02	-7.5 TO 67.5	0.9757E-01	82.5-157.5	0.2403E-05	0	0- 75	0.2075E 00	90-165	0.2075E 00
15-30.00	0.2287E 03	-7.5 TO 67.5	0.2750E-01	82.5-157.5	0.	15	0- 75	0.2200E 00	90-165	0.
30-45.00	0.3638E 03	-7.5 TO 67.5	0.5249E-02	82.5-157.5	0.	30	0- 75	0.4705E-01	90-165	0.
45-60.00	0.4741E 03	-7.5 TO 67.5	0.5571E-03	82.5-157.5	0.	45	0- 75	0.6932E-02	90-165	0.
60-64.64	0.1642E 03	-7.5 TO 67.5	0.8843E-05	82.5-157.5	0.	60	0- 75	0.1205E-03	90-165	0.
0-15.00	0.9361E 02	-7.5 TO 82.5	0.8132E-01	82.5-172.5	0.2180E-05	0	0- 90	0.2490E 00	90-180	0.2490E 00
15-30.00	0.2745E 03	-7.5 TO 82.5	0.2294E-01	82.5-172.5	0.	15	0- 90	0.2200E 00	90-180	0.
30-45.00	0.4366E 03	-7.5 TO 82.5	0.4377E-02	82.5-172.5	0.	30	0- 90	0.4706E-01	90-180	0.
45-60.00	0.5690E 03	-7.5 TO 82.5	0.4643E-03	82.5-172.5	0.	45	0- 90	0.6932E-02	90-180	0.
60-64.64	0.1971E 03	-7.5 TO 82.5	0.7369E-05	82.5-172.5	0.	60	0- 90	0.1205E-03	90-180	0.
0-15.00	0.1092E 03	-7.5 TO 97.5	0.6571E-01	82.5-187.5	0.2016E-05	0	0-105	0.2905E 00	90-195	0.2905E 00
15-30.00	0.3202E 03	-7.5 TO 97.5	0.1966E-01	82.5-187.5	0.	15	0-105	0.2200E 00	90-195	0.
30-45.00	0.5092E 03	-7.5 TO 97.5	0.3752E-02	82.5-187.5	0.	30	0-105	0.4706E-01	90-195	0.
45-60.00	0.6638E 03	-7.5 TO 97.5	0.3980E-03	82.5-187.5	0.	45	0-105	0.6932E-02	90-195	0.
60-64.64	0.2299E 02	-7.5 TO 97.5	0.6316E-05	82.5-187.5	0.	60	0-105	0.1205E-03	90-195	0.

$r_2/r_1 = 0.40$ $d/r_1 = 1.401$ $\cosh \mu_1 = 1.0003$ $\cosh \mu_2 = 1.0018$ $\alpha_{2,max} = 115.36$ $\theta_{2,min} = 2.16$

0-15.00	0.1560E 02	-7.5 TO 7.5	0.3131E 00	82.5- 97.5	0.5246E-05	0	0- 15	0.4150E-01	90-105	0.4150E-01
15-30.00	0.4574E 02	-7.5 TO 7.5	0.6419E-01	82.5- 97.5	0.	15	0- 15	0.1425E 00	90-105	0.
30-45.00	0.7276E 02	-7.5 TO 7.5	0.1077E-01	82.5- 97.5	0.	30	0- 15	0.2393E-01	90-105	0.
45-60.00	0.9483E 02	-7.5 TO 7.5	0.1221E-02	82.5- 97.5	0.	45	0- 15	0.3495E-02	90-105	0.
60-64.64	0.3285E 02	-7.5 TO 7.5	0.3150E-04	82.5- 97.5	0.	60	0- 15	0.9616E-04	90-105	0.
0-15.00	0.3120E 02	-7.5 TO 22.5	0.2254E 00	82.5-112.5	0.3856E-05	0	0- 30	0.8299E-01	90-120	0.8299E-01
15-30.00	0.9148E 02	-7.5 TO 22.5	0.5533E-01	82.5-112.5	0.	15	0- 30	0.2012E 00	90-120	0.
30-45.00	0.1455E 03	-7.5 TO 22.5	0.9766E-02	82.5-112.5	0.	30	0- 30	0.3900E-01	90-120	0.
45-60.00	0.1897E 03	-7.5 TO 22.5	0.1101E-02	82.5-112.5	0.	45	0- 30	0.5813E-02	90-120	0.
60-64.64	0.6570E 02	-7.5 TO 22.5	0.2517E-04	82.5-112.5	0.	60	0- 30	0.1339E-03	90-120	0.
0-15.00	0.4686E 02	-7.5 TO 37.5	0.1603E 00	82.5-127.5	0.3155E-05	0	0- 45	0.1245E 00	90-135	0.1245E 00
15-30.00	0.1372E 03	-7.5 TO 37.5	0.4352E-01	82.5-127.5	0.	15	0- 45	0.2167E 00	90-135	0.
30-45.00	0.2183E 03	-7.5 TO 37.5	0.8094E-02	82.5-127.5	0.	30	0- 45	0.4524E-01	90-135	0.
45-60.00	0.2845E 03	-7.5 TO 37.5	0.8989E-03	82.5-127.5	0.	45	0- 45	0.6778E-02	90-135	0.
60-64.64	0.9855E 02	-7.5 TO 37.5	0.1782E-04	82.5-127.5	0.	60	0- 45	0.1363E-03	90-135	0.
0-15.00	0.6241E 02	-7.5 TO 52.5	0.1217E 00	82.5-142.5	0.2711E-05	0	0- 60	0.1660E 00	90-150	0.1660E 00
15-30.00	0.1830E 03	-7.5 TO 52.5	0.3410E-01	82.5-142.5	0.	15	0- 60	0.2197E 00	90-150	0.
30-45.00	0.2911E 03	-7.5 TO 52.5	0.6488E-02	82.5-142.5	0.	30	0- 60	0.4686E-01	90-150	0.
45-60.00	0.3793E 03	-7.5 TO 52.5	0.7078E-03	82.5-142.5	0.	45	0- 60	0.6978E-02	90-150	0.
60-64.64	0.1314E 03	-7.5 TO 52.5	0.1338E-04	82.5-142.5	0.	60	0- 60	0.1363E-03	90-150	0.
0-15.00	0.7801E 02	-7.5 TO 67.5	0.9757E-01	82.5-157.5	0.2403E-05	0	0- 75	0.2075E 00	90-165	0.2075E 00
15-30.00	0.2287E 03	-7.5 TO 67.5	0.2750E-01	82.5-157.5	0.	15	0- 75	0.2200E 00	90-165	0.
30-45.00	0.3638E 03	-7.5 TO 67.5	0.5254E-02	82.5-157.5	0.	30	0- 75	0.4705E-01	90-165	0.
45-60.00	0.4741E 03	-7.5 TO 67.5	0.5688E-03	82.5-157.5	0.	45	0- 75	0.6986E-02	90-165	0.
60-64.64	0.1642E 03	-7.5 TO 67.5	0.1070E-04	82.5-157.5	0.	60	0- 75	0.1363E-03	90-165	0.
0-15.00	0.9361E 02	-7.5 TO 82.5	0.8132E-01	82.5-172.5	0.2180E-05	0	0- 90	0.2490E 00	90-180	0.2490E 00
15-30.00	0.2745E 03	-7.5 TO 82.5	0.2294E-01	82.5-172.5	0.	15	0- 90	0.2200E 00	90-180	0.
30-45.00	0.4366E 03	-7.5 TO 82.5	0.4382E-02	82.5-172.5	0.	30	0- 90	0.4706E-01	90-180	0.
45-60.00	0.5690E 03	-7.5 TO 82.5	0.4741E-03	82.5-172.5	0.	45	0- 90	0.6986E-02	90-180	0.
60-64.64	0.1971E 03	-7.5 TO 82.5	0.8917E-05	82.5-172.5	0.	60	0- 90	0.1363E-03	90-180	0.
0-15.00	0.1092E 03	-7.5 TO 97.5	0.6571E-01	82.5-187.5	0.2016E-05	0	0-105	0.2905E 00	90-195	0.2905E 00
15-30.00	0.3202E 03	-7.5 TO 97.5	0.1966E-01	82.5-187.5	0.	15	0-105	0.2200E 00	90-195	0.
30-45.00	0.5092E 03	-7.5 TO 97.5	0.3756E-02	82.5-187.5	0.	30	0-105	0.4706E-01	90-195	0.
45-60.00	0.6638E 03	-7.5 TO 97.5	0.4063E-03	82.5-187.5	0.	45	0-105	0.6986E-02	90-195	0.
60-64.64	0.2299E 02	-7.5 TO 97.5	0.7643E-05	82.5-187.5	0.	60	0-105	0.1363E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2100$ $\cosh \mu_2 = 1.9750$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 154.10$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1922E-01	-7.5 TO 7.5	0.1042E-02	82.5- 97.5	0.8770E-03	0	0- 15	0.1153E-02	90-105	0.1153E-02
15-30.00	0.5625E-01	-7.5 TO 7.5	0.5121E-03	82.5- 97.5	0.3720E-03	15	0- 15	0.8543E-03	90-105	0.6421E-03
30-45.00	0.8956E-01	-7.5 TO 7.5	0.1454E-03	82.5- 97.5	0.9413E-04	30	0- 15	0.2873E-03	90-105	0.1873E-03
45-60.00	0.1168E 00	-7.5 TO 7.5	0.1457E-04	82.5- 97.5	0.5665E-05	45	0- 15	0.5661E-04	90-105	0.2865E-04
60-72.54	0.1128E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.3844E-01	-7.5 TO 22.5	0.1039E-02	82.5-112.5	0.8586E-03	0	0- 30	0.2306E-02	90-120	0.2306E-02
15-30.00	0.1127E 00	-7.5 TO 22.5	0.5093E-03	82.5-112.5	0.3577E-03	15	0- 30	0.1694E-02	90-120	0.1246E-02
30-45.00	0.1793E 00	-7.5 TO 22.5	0.1444E-03	82.5-112.5	0.8909E-04	30	0- 30	0.5672E-03	90-120	0.3577E-03
45-60.00	0.2337E 00	-7.5 TO 22.5	0.1437E-04	82.5-112.5	0.5066E-05	45	0- 30	0.1111E-03	90-120	0.5284E-04
60-72.54	0.2256E 00	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.5766E-01	-7.5 TO 37.5	0.1032E-02	82.5-127.5	0.8416E-03	0	0- 45	0.3460E-02	90-135	0.3460E-02
15-30.00	0.1651E 00	-7.5 TO 37.5	0.5029E-03	82.5-127.5	0.3447E-03	15	0- 45	0.2505E-02	90-135	0.1817E-02
30-45.00	0.2685E 00	-7.5 TO 37.5	0.1420E-03	82.5-127.5	0.8459E-04	30	0- 45	0.8333E-03	90-135	0.5144E-03
45-60.00	0.3505E 00	-7.5 TO 37.5	0.1391E-04	82.5-127.5	0.4540E-05	45	0- 45	0.1616E-03	90-135	0.7347E-04
60-72.54	0.3385E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.7669E-01	-7.5 TO 52.5	0.1021E-02	82.5-142.5	0.8265E-03	0	0- 60	0.4613E-02	90-150	0.4613E-02
15-30.00	0.2254E 00	-7.5 TO 52.5	0.4936E-03	82.5-142.5	0.3334E-03	15	0- 60	0.3278E-02	90-150	0.2363E-02
30-45.00	0.3566E 00	-7.5 TO 52.5	0.1385E-03	82.5-142.5	0.8068E-04	30	0- 60	0.1081E-02	90-150	0.6606E-03
45-60.00	0.4673E 00	-7.5 TO 52.5	0.1326E-04	82.5-142.5	0.4097E-05	45	0- 60	0.2070E-03	90-150	0.9148E-04
60-72.54	0.4513E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.5611E-01	-7.5 TO 67.5	0.1008E-02	82.5-157.5	0.8135E-03	0	0- 75	0.5766E-02	90-165	0.5766E-02
15-30.00	0.2818E 00	-7.5 TO 67.5	0.4820E-03	82.5-157.5	0.3237E-03	15	0- 75	0.4008E-02	90-165	0.2893E-02
30-45.00	0.4482E 00	-7.5 TO 67.5	0.1342E-03	82.5-157.5	0.7740E-04	30	0- 75	0.1309E-02	90-165	0.7999E-03
45-60.00	0.5841E 00	-7.5 TO 67.5	0.1245E-04	82.5-157.5	0.3739E-05	45	0- 75	0.2466E-03	90-165	0.1078E-03
60-72.54	0.5641E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.1153E 00	-7.5 TO 82.5	0.9927E-03	82.5-172.5	0.8028E-03	0	0- 90	0.6919E-02	90-180	0.6919E-02
15-30.00	0.3381E 00	-7.5 TO 82.5	0.4689E-03	82.5-172.5	0.3159E-03	15	0- 90	0.4694E-02	90-180	0.3414E-02
30-45.00	0.5375E 00	-7.5 TO 82.5	0.1294E-03	82.5-172.5	0.7475E-04	30	0- 90	0.1515E-02	90-180	0.9357E-03
45-60.00	0.7016E 00	-7.5 TO 82.5	0.1155E-04	82.5-172.5	0.3458E-05	45	0- 90	0.2865E-03	90-180	0.1232E-03
60-72.54	0.6765E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.1345E 00	-7.5 TO 97.5	0.9762E-03	82.5-187.5	0.7946E-03	0	0-105	0.8072E-02	90-195	0.8072E-02
15-30.00	0.3945E 00	-7.5 TO 97.5	0.4551E-03	82.5-187.5	0.3099E-03	15	0-105	0.5336E-02	90-195	0.3935E-02
30-45.00	0.6275E 00	-7.5 TO 97.5	0.1244E-03	82.5-187.5	0.7272E-04	30	0-105	0.1703E-02	90-195	0.1072E-02
45-60.00	0.8178E 00	-7.5 TO 97.5	0.1071E-04	82.5-187.5	0.3246E-05	45	0-105	0.3091E-03	90-195	0.1387E-03
60-72.54	0.7857E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.

$r_2/r_1 = 0.40$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2100$ $\cosh \mu_2 = 1.9750$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 129.84$

0-15.00	0.1922E-01	-7.5 TO 7.5	0.3803E-02	82.5- 97.5	0.2763E-02	0	0- 15	0.3568E-02	90-105	0.3568E-02
15-30.00	0.5635E-01	-7.5 TO 7.5	0.2246E-02	82.5- 97.5	0.1229E-02	15	0- 15	0.3402E-02	90-105	0.2006E-02
30-45.00	0.8965E-01	-7.5 TO 7.5	0.7470E-03	82.5- 97.5	0.3299E-03	30	0- 15	0.1376E-02	90-105	0.6114E-03
45-60.00	0.1168E 00	-7.5 TO 7.5	0.6407E-04	82.5- 97.5	0.2270E-04	45	0- 15	0.3341E-03	90-105	0.9912E-04
60-72.54	0.1128E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.3844E-01	-7.5 TO 22.5	0.3781E-02	82.5-112.5	0.2660E-02	0	0- 30	0.7135E-02	90-120	0.7135E-02
15-30.00	0.1127E 00	-7.5 TO 22.5	0.2222E-02	82.5-112.5	0.1143E-02	15	0- 30	0.6692E-02	90-120	0.3799E-02
30-45.00	0.1793E 00	-7.5 TO 22.5	0.7368E-03	82.5-112.5	0.2980E-03	30	0- 30	0.2684E-02	90-120	0.1123E-02
45-60.00	0.2337E 00	-7.5 TO 22.5	0.8629E-04	82.5-112.5	0.1856E-04	45	0- 30	0.6466E-03	90-120	0.1709E-03
60-72.54	0.2256E 00	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.5766E-01	-7.5 TO 37.5	0.3733E-02	82.5-127.5	0.2567E-02	0	0- 45	0.1070E-01	90-135	0.1070E-01
15-30.00	0.1651E 00	-7.5 TO 37.5	0.2170E-02	82.5-127.5	0.1069E-02	15	0- 45	0.9780E-02	90-135	0.5421E-02
30-45.00	0.2665E 00	-7.5 TO 37.5	0.7144E-03	82.5-127.5	0.2711E-03	30	0- 45	0.3873E-02	90-135	0.1559E-02
45-60.00	0.3505E 00	-7.5 TO 37.5	0.8892E-04	82.5-127.5	0.1536E-04	45	0- 45	0.9208E-03	90-135	0.2233E-03
60-72.54	0.3385E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.7669E-01	-7.5 TO 52.5	0.3663E-02	82.5-142.5	0.2486E-02	0	0- 60	0.1427E-01	90-150	0.1427E-01
15-30.00	0.2254E 00	-7.5 TO 52.5	0.2096E-02	82.5-142.5	0.1007E-02	15	0- 60	0.1260E-01	90-150	0.6918E-02
30-45.00	0.3566E 00	-7.5 TO 52.5	0.6829E-03	82.5-142.5	0.2488E-03	30	0- 60	0.4911E-02	90-150	0.1941E-02
45-60.00	0.4673E 00	-7.5 TO 52.5	0.8538E-04	82.5-142.5	0.1301E-04	45	0- 60	0.1148E-02	90-150	0.2628E-03
60-72.54	0.4513E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.5611E-01	-7.5 TO 67.5	0.3576E-02	82.5-157.5	0.2418E-02	0	0- 75	0.1784E-01	90-165	0.1784E-01
15-30.00	0.2818E 00	-7.5 TO 67.5	0.2007E-02	82.5-157.5	0.9556E-03	15	0- 75	0.1514E-01	90-165	0.8332E-02
30-45.00	0.4482E 00	-7.5 TO 67.5	0.6457E-03	82.5-157.5	0.2308E-03	30	0- 75	0.5792E-02	90-165	0.2289E-02
45-60.00	0.5841E 00	-7.5 TO 67.5	0.7890E-04	82.5-157.5	0.1118E-04	45	0- 75	0.1326E-02	90-165	0.2946E-03
60-72.54	0.5641E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.1153E 00	-7.5 TO 82.5	0.3478E-02	82.5-172.5	0.2363E-02	0	0- 90	0.2141E-01	90-180	0.2141E-01
15-30.00	0.3381E 00	-7.5 TO 82.5	0.1911E-02	82.5-172.5	0.9144E-03	15	0- 90	0.1740E-01	90-180	0.9706E-02
30-45.00	0.5375E 00	-7.5 TO 82.5	0.6061E-03	82.5-172.5	0.2166E-03	30	0- 90	0.6529E-02	90-180	0.2621E-02
45-60.00	0.7016E 00	-7.5 TO 82.5	0.7123E-04	82.5-172.5	0.9829E-05	45	0- 90	0.1461E-02	90-180	0.3228E-03
60-72.54	0.6765E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.1345E 00	-7.5 TO 97.5	0.3376E-02	82.5-187.5	0.2320E-02	0	0-105	0.2497E-01	90-195	0.2497E-01
15-30.00	0.3945E 00	-7.5 TO 97.5	0.1813E-02	82.5-187.5	0.8831E-03	15	0-105	0.1941E-01	90-195	0.1108E-01
30-45.00	0.6275E 00	-7.5 TO 97.5	0.5667E-03	82.5-187.5	0.2058E-03	30	0-105	0.7140E-02	90-195	0.2953E-02
45-60.00	0.8178E 00	-7.5 TO 97.5	0.6430E-04	82.5-187.5	0.8820E-05	45	0-105	0.1560E-02	90-195	0.3511E-03
60-72.54	0.7857E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2100$ $\cosh \mu_2 = 1.9750$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 108.23$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1922E-01	-7.5 TO 7.5	0.6789E-02	82.5- 97.5	0.3425E-02	0	0- 15	0.5609E-02	90-105	0.5609E-02
15-30.00	0.5035E-01	-7.5 TO 7.5	0.4728E-02	82.5- 97.5	0.2071E-02	15	0- 15	0.6510E-02	90-105	0.3208E-02
30-45.00	0.8565E-01	-7.5 TO 7.5	0.1838E-02	82.5- 97.5	0.5976E-03	30	0- 15	0.3162E-02	90-105	0.1030E-02
45-60.00	0.1168E 00	-7.5 TO 7.5	0.3799E-03	82.5- 97.5	0.4996E-04	45	0- 15	0.9151E-03	90-105	0.1821E-03
60-72.54	0.1128E 00	-7.5 TO 7.5	0.4508E-05	82.5- 97.5	0.	60	0- 15	0.4437E-04	90-105	0.
0-15.00	0.3844E-01	-7.5 TO 22.5	0.6737E-02	82.5-112.5	0.4206E-02	0	0- 30	0.1122E-01	90-120	0.1122E-01
15-30.00	0.1127E 00	-7.5 TO 22.5	0.4660E-02	82.5-112.5	0.1877E-02	15	0- 30	0.1274E-01	90-120	0.5960E-02
30-45.00	0.1753E 00	-7.5 TO 22.5	0.1804E-02	82.5-112.5	0.5195E-03	30	0- 30	0.6112E-02	90-120	0.1831E-02
45-60.00	0.2337E 00	-7.5 TO 22.5	0.3694E-03	82.5-112.5	0.3813E-04	45	0- 30	0.1753E-02	90-120	0.2987E-03
60-72.54	0.2256E 00	-7.5 TO 22.5	0.4372E-05	82.5-112.5	0.	60	0- 30	0.7540E-04	90-120	0.
0-15.00	0.5766E-01	-7.5 TO 37.5	0.6622E-02	82.5-127.5	0.4013E-02	0	0- 45	0.1683E-01	90-135	0.1683E-01
15-30.00	0.1691E 00	-7.5 TO 37.5	0.4512E-02	82.5-127.5	0.1715E-02	15	0- 45	0.1846E-01	90-135	0.8363E-02
30-45.00	0.2669E 00	-7.5 TO 37.5	0.1730E-02	82.5-127.5	0.4564E-03	30	0- 45	0.8697E-02	90-135	0.2467E-02
45-60.00	0.3505E 00	-7.5 TO 37.5	0.3471E-03	82.5-127.5	0.2998E-04	45	0- 45	0.2460E-02	90-135	0.3734E-03
60-72.54	0.3385E 00	-7.5 TO 37.5	0.3457E-05	82.5-127.5	0.	60	0- 45	0.8770E-04	90-135	0.
0-15.00	0.7669E-01	-7.5 TO 52.5	0.6456E-02	82.5-142.5	0.3847E-02	0	0- 60	0.2243E-01	90-150	0.2243E-01
15-30.00	0.2254E 00	-7.5 TO 52.5	0.4306E-02	82.5-142.5	0.1580E-02	15	0- 60	0.2353E-01	90-150	0.1051E-01
30-45.00	0.3566E 00	-7.5 TO 52.5	0.1630E-02	82.5-142.5	0.4062E-03	30	0- 60	0.1084E-01	90-150	0.2993E-02
45-60.00	0.4673E 00	-7.5 TO 52.5	0.3171E-03	82.5-142.5	0.2444E-04	45	0- 60	0.3011E-02	90-150	0.4232E-03
60-72.54	0.4513E 00	-7.5 TO 52.5	0.2662E-05	82.5-142.5	0.	60	0- 60	0.8865E-04	90-150	0.
0-15.00	0.9611E-01	-7.5 TO 67.5	0.6255E-02	82.5-157.5	0.3708E-02	0	0- 75	0.2804E-01	90-165	0.2804E-01
15-30.00	0.2818E 00	-7.5 TO 67.5	0.4066E-02	82.5-157.5	0.1472E-02	15	0- 75	0.2794E-01	90-165	0.1250E-01
30-45.00	0.4462E 00	-7.5 TO 67.5	0.1514E-02	82.5-157.5	0.3668E-03	30	0- 75	0.1256E-01	90-165	0.3451E-02
45-60.00	0.5841E 00	-7.5 TO 67.5	0.2830E-03	82.5-157.5	0.2044E-04	45	0- 75	0.3412E-02	90-165	0.4598E-03
60-72.54	0.5641E 00	-7.5 TO 67.5	0.2131E-05	82.5-157.5	0.	60	0- 75	0.8865E-04	90-165	0.
0-15.00	0.1153E 00	-7.5 TO 82.5	0.6032E-02	82.5-172.5	0.3596E-02	0	0- 90	0.3365E-01	90-180	0.3365E-01
15-30.00	0.3381E 00	-7.5 TO 82.5	0.3813E-02	82.5-172.5	0.1386E-02	15	0- 90	0.3170E-01	90-180	0.1441E-01
30-45.00	0.5379E 00	-7.5 TO 82.5	0.1396E-02	82.5-172.5	0.3363E-03	30	0- 90	0.1389E-01	90-180	0.3878E-02
45-60.00	0.7016E 00	-7.5 TO 82.5	0.2492E-03	82.5-172.5	0.1765E-04	45	0- 90	0.3689E-02	90-180	0.4908E-03
60-72.54	0.6769E 00	-7.5 TO 82.5	0.1776E-05	82.5-172.5	0.	60	0- 90	0.8865E-04	90-180	0.
0-15.00	0.1345E 00	-7.5 TO 97.5	0.5803E-02	82.5-187.5	0.3510E-02	0	0-105	0.3926E-01	90-195	0.3926E-01
15-30.00	0.3945E 00	-7.5 TO 97.5	0.3564E-02	82.5-187.5	0.1321E-02	15	0-105	0.3491E-01	90-195	0.1632E-01
30-45.00	0.6215E 00	-7.5 TO 97.5	0.1282E-02	82.5-187.5	0.3135E-03	30	0-105	0.1492E-01	90-195	0.4304E-02
45-60.00	0.8178E 00	-7.5 TO 97.5	0.2207E-03	82.5-187.5	0.1556E-04	45	0-105	0.3871E-02	90-195	0.5218E-03
60-72.54	0.7897E 00	-7.5 TO 97.5	0.1522E-05	82.5-187.5	0.	60	0-105	0.8865E-04	90-195	0.

$r_2/r_1 = 0.40$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2100$ $\cosh \mu_2 = 1.9750$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 89.51$

0-15.00	0.1922E-01	-7.5 TO 7.5	0.8765E-02	82.5- 97.5	0.5254E-02	0	0- 15	0.6579E-02	90-105	0.6579E-02
15-30.00	0.5035E-01	-7.5 TO 7.5	0.6944E-02	82.5- 97.5	0.2556E-02	15	0- 15	0.8837E-02	90-105	0.3791E-02
30-45.00	0.8565E-01	-7.5 TO 7.5	0.3085E-02	82.5- 97.5	0.7848E-03	30	0- 15	0.4995E-02	90-105	0.1266E-02
45-60.00	0.1168E 00	-7.5 TO 7.5	0.7796E-03	82.5- 97.5	0.7727E-04	45	0- 15	0.1667E-02	90-105	0.2416E-03
60-72.54	0.1128E 00	-7.5 TO 7.5	0.3619E-04	82.5- 97.5	0.	60	0- 15	0.1808E-03	90-105	0.
0-15.00	0.3844E-01	-7.5 TO 22.5	0.8686E-02	82.5-112.5	0.4942E-02	0	0- 30	0.1316E-01	90-120	0.1316E-01
15-30.00	0.1127E 00	-7.5 TO 22.5	0.6825E-02	82.5-112.5	0.2262E-02	15	0- 30	0.1723E-01	90-120	0.6926E-02
30-45.00	0.1753E 00	-7.5 TO 22.5	0.3017E-02	82.5-112.5	0.6586E-03	30	0- 30	0.9596E-02	90-120	0.2177E-02
45-60.00	0.2337E 00	-7.5 TO 22.5	0.7560E-03	82.5-112.5	0.5628E-04	45	0- 30	0.3172E-02	90-120	0.3795E-03
60-72.54	0.2256E 00	-7.5 TO 22.5	0.3337E-04	82.5-112.5	0.	60	0- 30	0.3225E-03	90-120	0.
0-15.00	0.5766E-01	-7.5 TO 37.5	0.8512E-02	82.5-127.5	0.4669E-02	0	0- 45	0.1974E-01	90-135	0.1974E-01
15-30.00	0.1691E 00	-7.5 TO 37.5	0.6570E-02	82.5-127.5	0.2022E-02	15	0- 45	0.2482E-01	90-135	0.9569E-02
30-45.00	0.2669E 00	-7.5 TO 37.5	0.2872E-02	82.5-127.5	0.5608E-03	30	0- 45	0.1352E-01	90-135	0.2857E-02
45-60.00	0.3505E 00	-7.5 TO 37.5	0.7063E-03	82.5-127.5	0.4274E-04	45	0- 45	0.4404E-02	90-135	0.4593E-03
60-72.54	0.3385E 00	-7.5 TO 37.5	0.2818E-04	82.5-127.5	0.	60	0- 45	0.4040E-03	90-135	0.
0-15.00	0.7669E-01	-7.5 TO 52.5	0.8261E-02	82.5-142.5	0.4436E-02	0	0- 60	0.2632E-01	90-150	0.2632E-01
15-30.00	0.2254E 00	-7.5 TO 52.5	0.6219E-02	82.5-142.5	0.1830E-02	15	0- 60	0.3141E-01	90-150	0.1187E-01
30-45.00	0.3566E 00	-7.5 TO 52.5	0.2677E-02	82.5-142.5	0.4872E-03	30	0- 60	0.1666E-01	90-150	0.3397E-02
45-60.00	0.4673E 00	-7.5 TO 52.5	0.6405E-03	82.5-142.5	0.3410E-04	45	0- 60	0.5324E-02	90-150	0.5100E-03
60-72.54	0.4513E 00	-7.5 TO 52.5	0.2268E-04	82.5-142.5	0.	60	0- 60	0.4312E-03	90-150	0.
0-15.00	0.9611E-01	-7.5 TO 67.5	0.7959E-02	82.5-157.5	0.4243E-02	0	0- 75	0.3289E-01	90-165	0.3289E-01
15-30.00	0.2818E 00	-7.5 TO 67.5	0.5815E-02	82.5-157.5	0.1679E-02	15	0- 75	0.3698E-01	90-165	0.1397E-01
30-45.00	0.4462E 00	-7.5 TO 67.5	0.2458E-02	82.5-157.5	0.4322E-03	30	0- 75	0.1906E-01	90-165	0.3861E-02
45-60.00	0.5841E 00	-7.5 TO 67.5	0.5670E-03	82.5-157.5	0.2819E-04	45	0- 75	0.5956E-02	90-165	0.5467E-03
60-72.54	0.5641E 00	-7.5 TO 67.5	0.1830E-04	82.5-157.5	0.	60	0- 75	0.4331E-03	90-165	0.
0-15.00	0.1153E 00	-7.5 TO 82.5	0.7628E-02	82.5-172.5	0.4088E-02	0	0- 90	0.3947E-01	90-180	0.3947E-01
15-30.00	0.3381E 00	-7.5 TO 82.5	0.5397E-02	82.5-172.5	0.1563E-02	15	0- 90	0.4159E-01	90-180	0.1597E-01
30-45.00	0.5379E 00	-7.5 TO 82.5	0.2237E-02	82.5-172.5	0.3910E-03	30	0- 90	0.2081E-01	90-180	0.4290E-02
45-60.00	0.7016E 00	-7.5 TO 82.5	0.4961E-03	82.5-172.5	0.2418E-04	45	0- 90	0.6360E-02	90-180	0.5777E-03
60-72.54	0.6769E 00	-7.5 TO 82.5	0.1526E-04	82.5-172.5	0.	60	0- 90	0.4331E-03	90-180	0.
0-15.00	0.1345E 00	-7.5 TO 97.5	0.7289E-02	82.5-187.5	0.3971E-02	0	0-105	0.4605E-01	90-195	0.4605E-01
15-30.00	0.3945E 00	-7.5 TO 97.5	0.4991E-02	82.5-187.5	0.1476E-02	15	0-105	0.4538E-01	90-195	0.1797E-01
30-45.00	0.6215E 00	-7.5 TO 97.5	0.2030E-02	82.5-187.5	0.3604E-03	30	0-105	0.2208E-01	90-195	0.4719E-02
45-60.00	0.8178E 00	-7.5 TO 97.5	0.4363E-03	82.5-187.5	0.2117E-04	45	0-105	0.6602E-02	90-195	0.6087E-03
60-72.54	0.7897E 00	-7.5 TO 97.5	0.1308E-04	82.5-187.5	0.	60	0-105	0.4331E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2100$ $\cosh \mu_2 = 1.9750$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 73.45$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1922E-01	-7.5 TO 7.5	0.9469E-02	82.5- 97.5	0.5341E-02	0	0- 15	0.6667E-02	90-105	0.6667E-02
15-30.00	0.5635E-01	-7.5 TO 7.5	0.8255E-02	82.5- 97.5	0.2631E-02	15	0- 15	0.9899E-02	90-105	0.3835E-02
30-45.00	0.8965E-01	-7.5 TO 7.5	0.4059E-02	82.5- 97.5	0.8319E-03	30	0- 15	0.6268E-02	90-105	0.1291E-02
45-60.00	0.1168E 00	-7.5 TO 7.5	0.1170E-02	82.5- 97.5	0.8910E-04	45	0- 15	0.2329E-02	90-105	0.2524E-03
60-72.54	0.1128E 00	-7.5 TO 7.5	0.8877E-04	82.5- 97.5	0.	60	0- 15	0.3519E-03	90-105	0.
0-15.00	0.3844E-01	-7.5 TO 22.5	0.9372E-02	82.5-112.5	0.5004E-02	0	0- 30	0.1333E-01	90-120	0.1333E-01
15-30.00	0.1127E 00	-7.5 TO 22.5	0.8097E-02	82.5-112.5	0.2307E-02	15	0- 30	0.1924E-01	90-120	0.6976E-02
30-45.00	0.1793E 00	-7.5 TO 22.5	0.3960E-02	82.5-112.5	0.6852E-03	30	0- 30	0.1199E-01	90-120	0.2203E-02
45-60.00	0.2337E 00	-7.5 TO 22.5	0.1132E-02	82.5-112.5	0.6283E-04	45	0- 30	0.4408E-02	90-120	0.3907E-03
60-72.54	0.2256E 00	-7.5 TO 22.5	0.8454E-04	82.5-112.5	0.	60	0- 30	0.6348E-03	90-120	0.
0-15.00	0.5766E-01	-7.5 TO 37.5	0.9160E-02	82.5-127.5	0.4714E-02	0	0- 45	0.2000E-01	90-135	0.2000E-01
15-30.00	0.1691E 00	-7.5 TO 37.5	0.7760E-02	82.5-127.5	0.2051E-02	15	0- 45	0.2759E-01	90-135	0.9619E-02
30-45.00	0.2669E 00	-7.5 TO 37.5	0.3749E-02	82.5-127.5	0.5786E-03	30	0- 45	0.1677E-01	90-135	0.2882E-02
45-60.00	0.3505E 00	-7.5 TO 37.5	0.1053E-02	82.5-127.5	0.4711E-04	45	0- 45	0.6073E-02	90-135	0.4706E-03
60-72.54	0.3385E 00	-7.5 TO 37.5	0.7317E-04	82.5-127.5	0.	60	0- 45	0.8100E-03	90-135	0.
0-15.00	0.7669E-01	-7.5 TO 52.5	0.8858E-02	82.5-142.5	0.4471E-02	0	0- 60	0.2667E-01	90-150	0.2667E-01
15-30.00	0.2254E 00	-7.5 TO 52.5	0.7299E-02	82.5-142.5	0.1852E-02	15	0- 60	0.3471E-01	90-150	0.1192E-01
30-45.00	0.3566E 00	-7.5 TO 52.5	0.3467E-02	82.5-142.5	0.5006E-03	30	0- 60	0.2049E-01	90-150	0.3423E-02
45-60.00	0.4673E 00	-7.5 TO 52.5	0.9493E-03	82.5-142.5	0.3739E-04	45	0- 60	0.7273E-02	90-150	0.5213E-03
60-72.54	0.4513E 00	-7.5 TO 52.5	0.6010E-04	82.5-142.5	0.	60	0- 60	0.8833E-03	90-150	0.
0-15.00	0.9611E-01	-7.5 TO 67.5	0.8496E-02	82.5-157.5	0.4272E-02	0	0- 75	0.3333E-01	90-165	0.3333E-01
15-30.00	0.2818E 00	-7.5 TO 67.5	0.6772E-02	82.5-157.5	0.1697E-02	15	0- 75	0.4057E-01	90-165	0.1402E-01
30-45.00	0.4462E 00	-7.5 TO 67.5	0.3155E-02	82.5-157.5	0.4429E-03	30	0- 75	0.2319E-01	90-165	0.3887E-02
45-60.00	0.5841E 00	-7.5 TO 67.5	0.8358E-03	82.5-157.5	0.3083E-04	45	0- 75	0.8055E-02	90-165	0.5580E-03
60-72.54	0.5641E 00	-7.5 TO 67.5	0.4899E-04	82.5-157.5	0.	60	0- 75	0.8969E-03	90-165	0.
0-15.00	0.1153E 00	-7.5 TO 82.5	0.8104E-02	82.5-172.5	0.4113E-02	0	0- 90	0.4000E-01	90-180	0.4000E-01
15-30.00	0.3381E 00	-7.5 TO 82.5	0.6232E-02	82.5-172.5	0.1578E-02	15	0- 90	0.4532E-01	90-180	0.1602E-01
30-45.00	0.5375E 00	-7.5 TO 82.5	0.2844E-02	82.5-172.5	0.3999E-03	30	0- 90	0.2507E-01	90-180	0.4316E-02
45-60.00	0.7016E 00	-7.5 TO 82.5	0.7277E-03	82.5-172.5	0.2641E-04	45	0- 90	0.8516E-02	90-180	0.5890E-03
60-72.54	0.6769E 00	-7.5 TO 82.5	0.4087E-04	82.5-172.5	0.	60	0- 90	0.8971E-03	90-180	0.
0-15.00	0.1345E 00	-7.5 TO 97.5	0.7710E-02	82.5-187.5	0.3992E-02	0	0-105	0.4667E-01	90-195	0.4667E-01
15-30.00	0.3945E 00	-7.5 TO 97.5	0.5718E-02	82.5-187.5	0.1488E-02	15	0-105	0.4915E-01	90-195	0.1802E-01
30-45.00	0.6275E 00	-7.5 TO 97.5	0.2557E-02	82.5-187.5	0.3680E-03	30	0-105	0.2636E-01	90-195	0.4744E-02
45-60.00	0.8178E 00	-7.5 TO 97.5	0.6365E-03	82.5-187.5	0.2311E-04	45	0-105	0.8768E-02	90-195	0.6200E-03
60-72.54	0.7897E 00	-7.5 TO 97.5	0.3503E-04	82.5-187.5	0.	60	0-105	0.8971E-03	90-195	0.

$r_2/r_1 = 0.40$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2100$ $\cosh \mu_2 = 1.9750$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 59.58$

0-15.00	0.1922E-01	-7.5 TO 7.5	0.9497E-02	82.5- 97.5	0.5341E-02	0	0- 15	0.6667E-02	90-105	0.6667E-02
15-30.00	0.5635E-01	-7.5 TO 7.5	0.8629E-02	82.5- 97.5	0.2631E-02	15	0- 15	0.1000E-01	90-105	0.3835E-02
30-45.00	0.8965E-01	-7.5 TO 7.5	0.4551E-02	82.5- 97.5	0.8320E-03	30	0- 15	0.6793E-02	90-105	0.1291E-02
45-60.00	0.1168E 00	-7.5 TO 7.5	0.1421E-02	82.5- 97.5	0.8932E-04	45	0- 15	0.2716E-02	90-105	0.2524E-03
60-72.54	0.1128E 00	-7.5 TO 7.5	0.1449E-03	82.5- 97.5	0.	60	0- 15	0.4798E-03	90-105	0.
0-15.00	0.3844E-01	-7.5 TO 22.5	0.9398E-02	82.5-112.5	0.5004E-02	0	0- 30	0.1333E-01	90-120	0.1333E-01
15-30.00	0.1127E 00	-7.5 TO 22.5	0.8451E-02	82.5-112.5	0.2307E-02	15	0- 30	0.1941E-01	90-120	0.6976E-02
30-45.00	0.1793E 00	-7.5 TO 22.5	0.4430E-02	82.5-112.5	0.6852E-03	30	0- 30	0.1294E-01	90-120	0.2203E-02
45-60.00	0.2337E 00	-7.5 TO 22.5	0.1373E-02	82.5-112.5	0.6294E-04	45	0- 30	0.5119E-02	90-120	0.3907E-03
60-72.54	0.2256E 00	-7.5 TO 22.5	0.1352E-03	82.5-112.5	0.	60	0- 30	0.8664E-03	90-120	0.
0-15.00	0.5766E-01	-7.5 TO 37.5	0.9182E-02	82.5-127.5	0.4714E-02	0	0- 45	0.2000E-01	90-135	0.2000E-01
15-30.00	0.1691E 00	-7.5 TO 37.5	0.8072E-02	82.5-127.5	0.2051E-02	15	0- 45	0.2779E-01	90-135	0.9619E-02
30-45.00	0.2669E 00	-7.5 TO 37.5	0.4174E-02	82.5-127.5	0.5786E-03	30	0- 45	0.1799E-01	90-135	0.2882E-02
45-60.00	0.3505E 00	-7.5 TO 37.5	0.1271E-02	82.5-127.5	0.4718E-04	45	0- 45	0.7003E-02	90-135	0.4706E-03
60-72.54	0.3385E 00	-7.5 TO 37.5	0.1168E-03	82.5-127.5	0.	60	0- 45	0.1108E-02	90-135	0.
0-15.00	0.7669E-01	-7.5 TO 52.5	0.8875E-02	82.5-142.5	0.4471E-02	0	0- 60	0.2667E-01	90-150	0.2667E-01
15-30.00	0.2254E 00	-7.5 TO 52.5	0.7560E-02	82.5-142.5	0.1852E-02	15	0- 60	0.3492E-01	90-150	0.1192E-01
30-45.00	0.3566E 00	-7.5 TO 52.5	0.3834E-02	82.5-142.5	0.5006E-03	30	0- 60	0.2181E-01	90-150	0.3423E-02
45-60.00	0.4673E 00	-7.5 TO 52.5	0.1139E-02	82.5-142.5	0.3744E-04	45	0- 60	0.8312E-02	90-150	0.5213E-03
60-72.54	0.4513E 00	-7.5 TO 52.5	0.9626E-04	82.5-142.5	0.	60	0- 60	0.1211E-02	90-150	0.
0-15.00	0.9611E-01	-7.5 TO 67.5	0.8509E-02	82.5-157.5	0.4272E-02	0	0- 75	0.3333E-01	90-165	0.3333E-01
15-30.00	0.2818E 00	-7.5 TO 67.5	0.6987E-02	82.5-157.5	0.1697E-02	15	0- 75	0.4078E-01	90-165	0.1402E-01
30-45.00	0.4462E 00	-7.5 TO 67.5	0.3462E-02	82.5-157.5	0.4429E-03	30	0- 75	0.2453E-01	90-165	0.3887E-02
45-60.00	0.5841E 00	-7.5 TO 67.5	0.9956E-03	82.5-157.5	0.3087E-04	45	0- 75	0.9122E-02	90-165	0.5580E-03
60-72.54	0.5641E 00	-7.5 TO 67.5	0.7861E-04	82.5-157.5	0.	60	0- 75	0.1231E-02	90-165	0.
0-15.00	0.1153E 00	-7.5 TO 82.5	0.8116E-02	82.5-172.5	0.4113E-02	0	0- 90	0.4000E-01	90-180	0.4000E-01
15-30.00	0.3381E 00	-7.5 TO 82.5	0.6411E-02	82.5-172.5	0.1578E-02	15	0- 90	0.4553E-01	90-180	0.1602E-01
30-45.00	0.5375E 00	-7.5 TO 82.5	0.3101E-02	82.5-172.5	0.3999E-03	30	0- 90	0.2641E-01	90-180	0.4316E-02
45-60.00	0.7016E 00	-7.5 TO 82.5	0.8621E-03	82.5-172.5	0.2645E-04	45	0- 90	0.9585E-02	90-180	0.5890E-03
60-72.54	0.6769E 00	-7.5 TO 82.5	0.6560E-04	82.5-172.5	0.	60	0- 90	0.1232E-02	90-180	0.
0-15.00	0.1345E 00	-7.5 TO 97.5	0.7719E-02	82.5-187.5	0.3992E-02	0	0-105	0.4667E-01	90-195	0.4667E-01
15-30.00	0.3945E 00	-7.5 TO 97.5	0.5871E-02	82.5-187.5	0.1488E-02	15	0-105	0.4936E-01	90-195	0.1802E-01
30-45.00	0.6275E 00	-7.5 TO 97.5	0.2777E-02	82.5-187.5	0.3680E-03	30	0-105	0.2770E-01	90-195	0.4744E-02
45-60.00	0.8178E 00	-7.5 TO 97.5	0.7517E-03	82.5-187.5	0.2314E-04	45	0-105	0.9837E-02	90-195	0.6200E-03
60-72.54	0.7897E 00	-7.5 TO 97.5	0.5623E-04	82.5-187.5	0.	60	0-105	0.1232E-02	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2100$ $\cosh \mu_2 = 1.9750$ $\alpha_{2,max} = 105.00$ $\theta_{2,min} = 47.43$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1922E-01	-7.5 TO 7.5	0.9497E-02	82.5- 97.5	0.5341E-02	0	0- 15	0.6667E-02	90-105	0.6667E-02
15-30.00	0.5635E-01	-7.5 TO 7.5	0.8635E-02	82.5- 97.5	0.2631E-02	15	0- 15	0.1000E-01	90-105	0.3835E-02
30-45.00	0.8965E-01	-7.5 TO 7.5	0.4626E-02	82.5- 97.5	0.8320E-03	30	0- 15	0.6821E-02	90-105	0.1291E-02
45-60.00	0.1168E 00	-7.5 TO 7.5	0.1497E-02	82.5- 97.5	0.8932E-04	45	0- 15	0.2809E-02	90-105	0.2524E-03
60-72.54	0.1126E 00	-7.5 TO 7.5	0.1664E-03	82.5- 97.5	0.	60	0- 15	0.5264E-03	90-105	0.
0-15.00	0.3844E-01	-7.5 TO 22.5	0.9398E-02	82.5-112.5	0.5004E-02	0	0- 30	0.1333E-01	90-120	0.1333E-01
15-30.00	0.1127E 00	-7.5 TO 22.5	0.8456E-02	82.5-112.5	0.2307E-02	15	0- 30	0.1941E-01	90-120	0.6976E-02
30-45.00	0.1793E 00	-7.5 TO 22.5	0.4498E-02	82.5-112.5	0.6852E-03	30	0- 30	0.1298E-01	90-120	0.2203E-02
45-60.00	0.2337E 00	-7.5 TO 22.5	0.1443E-02	82.5-112.5	0.6294E-04	45	0- 30	0.5274E-02	90-120	0.3907E-03
60-72.54	0.2254E 00	-7.5 TO 22.5	0.1550E-03	82.5-112.5	0.	60	0- 30	0.9460E-03	90-120	0.
0-15.00	0.5766E-01	-7.5 TO 37.5	0.9182E-02	82.5-127.5	0.4714E-02	0	0- 45	0.2000E-01	90-135	0.2000E-01
15-30.00	0.1691E 00	-7.5 TO 37.5	0.8076E-02	82.5-127.5	0.2051E-02	15	0- 45	0.2779E-01	90-135	0.9619E-02
30-45.00	0.2689E 00	-7.5 TO 37.5	0.4229E-02	82.5-127.5	0.5786E-03	30	0- 45	0.1803E-01	90-135	0.2882E-02
45-60.00	0.3505E 00	-7.5 TO 37.5	0.1330E-02	82.5-127.5	0.4718E-04	45	0- 45	0.7182E-02	90-135	0.4706E-03
60-72.54	0.3385E 00	-7.5 TO 37.5	0.1332E-03	82.5-127.5	0.	60	0- 45	0.1202E-02	90-135	0.
0-15.00	0.7669E-01	-7.5 TO 52.5	0.8875E-02	82.5-142.5	0.4471E-02	0	0- 60	0.2667E-01	90-150	0.2667E-01
15-30.00	0.2254E 00	-7.5 TO 52.5	0.7563E-02	82.5-142.5	0.1852E-02	15	0- 60	0.3492E-01	90-150	0.1192E-01
30-45.00	0.3566E 00	-7.5 TO 52.5	0.3876E-02	82.5-142.5	0.5006E-03	30	0- 60	0.2185E-01	90-150	0.3423E-02
45-60.00	0.4673E 00	-7.5 TO 52.5	0.1186E-02	82.5-142.5	0.3744E-04	45	0- 60	0.8493E-02	90-150	0.5213E-03
60-72.54	0.4513E 00	-7.5 TO 52.5	0.1092E-03	82.5-142.5	0.	60	0- 60	0.1308E-02	90-150	0.
0-15.00	0.9611E-01	-7.5 TO 67.5	0.8509E-02	82.5-157.5	0.4272E-02	0	0- 75	0.3333E-01	90-165	0.3333E-01
15-30.00	0.2818E 00	-7.5 TO 67.5	0.6989E-02	82.5-157.5	0.1697E-02	15	0- 75	0.4078E-01	90-165	0.1402E-01
30-45.00	0.4482E 00	-7.5 TO 67.5	0.3495E-02	82.5-157.5	0.4429E-03	30	0- 75	0.2457E-01	90-165	0.3887E-02
45-60.00	0.5841E 00	-7.5 TO 67.5	0.1033E-02	82.5-157.5	0.3087E-04	45	0- 75	0.9304E-02	90-165	0.5580E-03
60-72.54	0.5641E 00	-7.5 TO 67.5	0.8900E-04	82.5-157.5	0.	60	0- 75	0.1328E-02	90-165	0.
0-15.00	0.1153E 00	-7.5 TO 82.5	0.8116E-02	82.5-172.5	0.4113E-02	0	0- 90	0.4000E-01	90-180	0.4000E-01
15-30.00	0.3381E 00	-7.5 TO 82.5	0.6413E-02	82.5-172.5	0.1578E-02	15	0- 90	0.4553E-01	90-180	0.1602E-01
30-45.00	0.5379E 00	-7.5 TO 82.5	0.3129E-02	82.5-172.5	0.3999E-03	30	0- 90	0.2645E-01	90-180	0.4316E-02
45-60.00	0.7010E 00	-7.5 TO 82.5	0.8935E-03	82.5-172.5	0.2645E-04	45	0- 90	0.9766E-02	90-180	0.5890E-03
60-72.54	0.6765E 00	-7.5 TO 82.5	0.7426E-04	82.5-172.5	0.	60	0- 90	0.1328E-02	90-180	0.
0-15.00	0.1345E 00	-7.5 TO 97.5	0.7719E-02	82.5-187.5	0.3992E-02	0	0-105	0.4667E-01	90-195	0.4667E-01
15-30.00	0.3945E 00	-7.5 TO 97.5	0.5873E-02	82.5-187.5	0.1488E-02	15	0-105	0.4936E-01	90-195	0.1802E-01
30-45.00	0.6275E 00	-7.5 TO 97.5	0.2801E-02	82.5-187.5	0.3680E-03	30	0-105	0.2774E-01	90-195	0.4744E-02
45-60.00	0.8178E 00	-7.5 TO 97.5	0.7786E-03	82.5-187.5	0.2314E-04	45	0-105	0.1002E-01	90-195	0.6200E-03
60-72.54	0.7891E 00	-7.5 TO 97.5	0.6365E-04	82.5-187.5	0.	60	0-105	0.1328E-02	90-195	0.

$r_2/r_1 = 0.40$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2100$ $\cosh \mu_2 = 1.9750$ $\alpha_{2,max} = 107.46$ $\theta_{2,min} = 45.57$

0-15.00	0.1922E-01	-7.5 TO 7.5	0.9497E-02	82.5- 97.5	0.5341E-02	0	0- 15	0.6667E-02	90-105	0.6667E-02
15-30.00	0.5635E-01	-7.5 TO 7.5	0.8635E-02	82.5- 97.5	0.2631E-02	15	0- 15	0.1000E-01	90-105	0.3835E-02
30-45.00	0.8965E-01	-7.5 TO 7.5	0.4626E-02	82.5- 97.5	0.8320E-03	30	0- 15	0.6821E-02	90-105	0.1291E-02
45-60.00	0.1168E 00	-7.5 TO 7.5	0.1497E-02	82.5- 97.5	0.8932E-04	45	0- 15	0.2809E-02	90-105	0.2524E-03
60-72.54	0.1126E 00	-7.5 TO 7.5	0.1667E-03	82.5- 97.5	0.	60	0- 15	0.5267E-03	90-105	0.
0-15.00	0.3844E-01	-7.5 TO 22.5	0.9398E-02	82.5-112.5	0.5004E-02	0	0- 30	0.1333E-01	90-120	0.1333E-01
15-30.00	0.1127E 00	-7.5 TO 22.5	0.8456E-02	82.5-112.5	0.2307E-02	15	0- 30	0.1941E-01	90-120	0.6976E-02
30-45.00	0.1793E 00	-7.5 TO 22.5	0.4498E-02	82.5-112.5	0.6852E-03	30	0- 30	0.1298E-01	90-120	0.2203E-02
45-60.00	0.2337E 00	-7.5 TO 22.5	0.1443E-02	82.5-112.5	0.6294E-04	45	0- 30	0.5274E-02	90-120	0.3907E-03
60-72.54	0.2255E 00	-7.5 TO 22.5	0.1551E-03	82.5-112.5	0.	60	0- 30	0.9463E-03	90-120	0.
0-15.00	0.5766E-01	-7.5 TO 37.5	0.9182E-02	82.5-127.5	0.4714E-02	0	0- 45	0.2000E-01	90-135	0.2000E-01
15-30.00	0.1691E 00	-7.5 TO 37.5	0.8076E-02	82.5-127.5	0.2051E-02	15	0- 45	0.2779E-01	90-135	0.9619E-02
30-45.00	0.2689E 00	-7.5 TO 37.5	0.4229E-02	82.5-127.5	0.5786E-03	30	0- 45	0.1803E-01	90-135	0.2882E-02
45-60.00	0.3505E 00	-7.5 TO 37.5	0.1330E-02	82.5-127.5	0.4718E-04	45	0- 45	0.7182E-02	90-135	0.4706E-03
60-72.54	0.3385E 00	-7.5 TO 37.5	0.1333E-03	82.5-127.5	0.	60	0- 45	0.1202E-02	90-135	0.
0-15.00	0.7669E-01	-7.5 TO 52.5	0.8875E-02	82.5-142.5	0.4471E-02	0	0- 60	0.2667E-01	90-150	0.2667E-01
15-30.00	0.2254E 00	-7.5 TO 52.5	0.7563E-02	82.5-142.5	0.1852E-02	15	0- 60	0.3492E-01	90-150	0.1192E-01
30-45.00	0.3566E 00	-7.5 TO 52.5	0.3876E-02	82.5-142.5	0.5006E-03	30	0- 60	0.2185E-01	90-150	0.3423E-02
45-60.00	0.4673E 00	-7.5 TO 52.5	0.1186E-02	82.5-142.5	0.3744E-04	45	0- 60	0.8493E-02	90-150	0.5213E-03
60-72.54	0.4513E 00	-7.5 TO 52.5	0.1093E-03	82.5-142.5	0.	60	0- 60	0.1308E-02	90-150	0.
0-15.00	0.9611E-01	-7.5 TO 67.5	0.8509E-02	82.5-157.5	0.4272E-02	0	0- 75	0.3333E-01	90-165	0.3333E-01
15-30.00	0.2818E 00	-7.5 TO 67.5	0.6989E-02	82.5-157.5	0.1697E-02	15	0- 75	0.4078E-01	90-165	0.1402E-01
30-45.00	0.4482E 00	-7.5 TO 67.5	0.3495E-02	82.5-157.5	0.4429E-03	30	0- 75	0.2457E-01	90-165	0.3887E-02
45-60.00	0.5841E 00	-7.5 TO 67.5	0.1033E-02	82.5-157.5	0.3087E-04	45	0- 75	0.9304E-02	90-165	0.5580E-03
60-72.54	0.5641E 00	-7.5 TO 67.5	0.8908E-04	82.5-157.5	0.	60	0- 75	0.1328E-02	90-165	0.
0-15.00	0.1153E 00	-7.5 TO 82.5	0.8116E-02	82.5-172.5	0.4113E-02	0	0- 90	0.4000E-01	90-180	0.4000E-01
15-30.00	0.3381E 00	-7.5 TO 82.5	0.6413E-02	82.5-172.5	0.1578E-02	15	0- 90	0.4553E-01	90-180	0.1602E-01
30-45.00	0.5379E 00	-7.5 TO 82.5	0.3129E-02	82.5-172.5	0.3999E-03	30	0- 90	0.2645E-01	90-180	0.4316E-02
45-60.00	0.7010E 00	-7.5 TO 82.5	0.8935E-03	82.5-172.5	0.2645E-04	45	0- 90	0.9766E-02	90-180	0.5890E-03
60-72.54	0.6765E 00	-7.5 TO 82.5	0.7432E-04	82.5-172.5	0.	60	0- 90	0.1328E-02	90-180	0.
0-15.00	0.1345E 00	-7.5 TO 97.5	0.7719E-02	82.5-187.5	0.3992E-02	0	0-105	0.4667E-01	90-195	0.4667E-01
15-30.00	0.3945E 00	-7.5 TO 97.5	0.5873E-02	82.5-187.5	0.1488E-02	15	0-105	0.4936E-01	90-195	0.1802E-01
30-45.00	0.6275E 00	-7.5 TO 97.5	0.2801E-02	82.5-187.5	0.3680E-03	30	0-105	0.2774E-01	90-195	0.4744E-02
45-60.00	0.8178E 00	-7.5 TO 97.5	0.7786E-03	82.5-187.5	0.2314E-04	45	0-105	0.1002E-01	90-195	0.6200E-03
60-72.54	0.7891E 00	-7.5 TO 97.5	0.6371E-04	82.5-187.5	0.	60	0-105	0.1328E-02	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

r_2/r_1 = 0.40 d/r_1 = 3.000 $\cosh \mu_1$ = 1.6400 $\cosh \mu_2$ = 3.4000 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 159.79

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5286E-02	-7.5 TO 7.5	0.1641E-03	82.5- 97.5	0.1571E-03	0	0- 15	0.1708E-03	90-105	0.1708E-03
15-30.00	0.1548E-01	-7.5 TO 7.5	0.1260E-03	82.5- 97.5	0.1147E-03	15	0- 15	0.1539E-03	90-105	0.1431E-03
30-45.00	0.2442E-01	-7.5 TO 7.5	0.7243E-04	82.5- 97.5	0.6324E-04	30	0- 15	0.1011E-03	90-105	0.8846E-04
45-60.00	0.3205E-01	-7.5 TO 7.5	0.2993E-04	82.5- 97.5	0.2442E-04	45	0- 15	0.4960E-04	90-105	0.4104E-04
60-75.00	0.3737E-01	-7.5 TO 7.5	0.3906E-05	82.5- 97.5	0.2352E-05	60	0- 15	0.1413E-04	90-105	0.1009E-04
75-76.46	0.9114E-02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1056E-01	-7.5 TO 22.5	0.1639E-03	82.5-112.5	0.1563E-03	0	0- 30	0.3416E-03	90-120	0.3416E-03
15-30.00	0.3096E-01	-7.5 TO 22.5	0.1258E-03	82.5-112.5	0.1134E-03	15	0- 30	0.3072E-03	90-120	0.2839E-03
30-45.00	0.4925E-01	-7.5 TO 22.5	0.7265E-04	82.5-112.5	0.6209E-04	30	0- 30	0.2014E-03	90-120	0.1743E-03
45-60.00	0.6418E-01	-7.5 TO 22.5	0.2983E-04	82.5-112.5	0.2378E-04	45	0- 30	0.9864E-04	90-120	0.8035E-04
60-75.00	0.7474E-01	-7.5 TO 22.5	0.3876E-05	82.5-112.5	0.2206E-05	60	0- 30	0.2799E-04	90-120	0.1939E-04
75-78.46	0.1823E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.1584E-01	-7.5 TO 37.5	0.1637E-03	82.5-127.5	0.1554E-03	0	0- 45	0.5124E-03	90-135	0.5124E-03
15-30.00	0.4644E-01	-7.5 TO 37.5	0.1254E-03	82.5-127.5	0.1121E-03	15	0- 45	0.4592E-03	90-135	0.4226E-03
30-45.00	0.7387E-01	-7.5 TO 37.5	0.7226E-04	82.5-127.5	0.6102E-04	30	0- 45	0.3002E-03	90-135	0.2578E-03
45-60.00	0.9627E-01	-7.5 TO 37.5	0.2960E-04	82.5-127.5	0.2318E-04	45	0- 45	0.1466E-03	90-135	0.1182E-03
60-75.00	0.1121E 00	-7.5 TO 37.5	0.3810E-05	82.5-127.5	0.2077E-05	60	0- 45	0.4134E-04	90-135	0.2801E-04
75-76.46	0.2734E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.2112E-01	-7.5 TO 52.5	0.1633E-03	82.5-142.5	0.1547E-03	0	0- 60	0.6832E-03	90-150	0.6832E-03
15-30.00	0.6152E-01	-7.5 TO 52.5	0.1247E-03	82.5-142.5	0.1109E-03	15	0- 60	0.6093E-03	90-150	0.5596E-03
30-45.00	0.9855E-01	-7.5 TO 52.5	0.7167E-04	82.5-142.5	0.6006E-04	30	0- 60	0.3968E-03	90-150	0.3395E-03
45-60.00	0.1284E 00	-7.5 TO 52.5	0.2925E-04	82.5-142.5	0.2265E-04	45	0- 60	0.1931E-03	90-150	0.1548E-03
60-75.00	0.1495E 00	-7.5 TO 52.5	0.3711E-05	82.5-142.5	0.1966E-05	60	0- 60	0.5399E-04	90-150	0.3610E-04
75-78.46	0.3644E-01	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.2640E-01	-7.5 TO 67.5	0.1627E-03	82.5-157.5	0.1540E-03	0	0- 75	0.8540E-03	90-165	0.8540E-03
15-30.00	0.7740E-01	-7.5 TO 67.5	0.1238E-03	82.5-157.5	0.1099E-03	15	0- 75	0.7573E-03	90-165	0.6955E-03
30-45.00	0.1231E 00	-7.5 TO 67.5	0.7091E-04	82.5-157.5	0.5922E-04	30	0- 75	0.4909E-03	90-165	0.4199E-03
45-60.00	0.1605E 00	-7.5 TO 67.5	0.2881E-04	82.5-157.5	0.2219E-04	45	0- 75	0.2379E-03	90-165	0.1906E-03
60-75.00	0.1869E 00	-7.5 TO 67.5	0.3586E-05	82.5-157.5	0.1874E-05	60	0- 75	0.6582E-04	90-165	0.4383E-04
75-76.46	0.4557E-01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.3168E-01	-7.5 TO 82.5	0.1621E-03	82.5-172.5	0.1535E-03	0	0- 90	0.1025E-02	90-180	0.1025E-02
15-30.00	0.9288E-01	-7.5 TO 82.5	0.1228E-03	82.5-172.5	0.1090E-03	15	0- 90	0.9028E-03	90-180	0.8308E-03
30-45.00	0.1477E 00	-7.5 TO 82.5	0.7002E-04	82.5-172.5	0.5853E-04	30	0- 90	0.5822E-03	90-180	0.4997E-03
45-60.00	0.1925E 00	-7.5 TO 82.5	0.2830E-04	82.5-172.5	0.2181E-04	45	0- 90	0.2808E-03	90-180	0.2259E-03
60-75.00	0.2242E 00	-7.5 TO 82.5	0.3442E-05	82.5-172.5	0.1800E-05	60	0- 90	0.7677E-04	90-180	0.5138E-04
75-76.46	0.5466E-01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.3696E-01	-7.5 TO 97.5	0.1614E-03	82.5-187.5	0.1530E-03	0	0-105	0.1196E-02	90-195	0.1196E-02
15-30.00	0.1084E 00	-7.5 TO 97.5	0.1216E-03	82.5-187.5	0.1084E-03	15	0-105	0.1046E-02	90-195	0.9660E-03
30-45.00	0.1724E 00	-7.5 TO 97.5	0.6905E-04	82.5-187.5	0.5800E-04	30	0-105	0.6706E-03	90-195	0.5794E-03
45-60.00	0.2246E 00	-7.5 TO 97.5	0.2775E-04	82.5-187.5	0.2152E-04	45	0-105	0.3219E-03	90-195	0.2613E-03
60-75.00	0.2616E 00	-7.5 TO 97.5	0.3286E-05	82.5-187.5	0.1743E-05	60	0-105	0.8686E-04	90-195	0.5893E-04
75-78.46	0.6386E-01	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

r_2/r_1 = 0.40 d/r_1 = 3.000 $\cosh \mu_1$ = 1.6400 $\cosh \mu_2$ = 3.4000 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 140.12

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5286E-02	-7.5 TO 7.5	0.6021E-03	82.5- 97.5	0.5535E-03	0	0- 15	0.6007E-03	90-105	0.6007E-03
15-30.00	0.1548E-01	-7.5 TO 7.5	0.4877E-03	82.5- 97.5	0.4065E-03	15	0- 15	0.5772E-03	90-105	0.5009E-03
30-45.00	0.2442E-01	-7.5 TO 7.5	0.2971E-03	82.5- 97.5	0.2260E-03	30	0- 15	0.4019E-03	90-105	0.3100E-03
45-60.00	0.3205E-01	-7.5 TO 7.5	0.1302E-03	82.5- 97.5	0.8840E-04	45	0- 15	0.2082E-03	90-105	0.1444E-03
60-75.00	0.3737E-01	-7.5 TO 7.5	0.2169E-04	82.5- 97.5	0.8942E-05	60	0- 15	0.6650E-04	90-105	0.3568E-04
75-76.46	0.9114E-02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1056E-01	-7.5 TO 22.5	0.6013E-03	82.5-112.5	0.5476E-03	0	0- 30	0.1201E-02	90-120	0.1201E-02
15-30.00	0.3096E-01	-7.5 TO 22.5	0.4862E-03	82.5-112.5	0.3971E-03	15	0- 30	0.1149E-02	90-120	0.9859E-03
30-45.00	0.4925E-01	-7.5 TO 22.5	0.2937E-03	82.5-112.5	0.2182E-03	30	0- 30	0.7977E-03	90-120	0.6022E-03
45-60.00	0.6418E-01	-7.5 TO 22.5	0.1294E-03	82.5-112.5	0.8398E-04	45	0- 30	0.4119E-03	90-120	0.2771E-03
60-75.00	0.7474E-01	-7.5 TO 22.5	0.2141E-04	82.5-112.5	0.7993E-05	60	0- 30	0.1308E-03	90-120	0.6609E-04
75-78.46	0.1823E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.1584E-01	-7.5 TO 37.5	0.5993E-03	82.5-127.5	0.5420E-03	0	0- 45	0.1802E-02	90-135	0.1802E-02
15-30.00	0.4644E-01	-7.5 TO 37.5	0.4828E-03	82.5-127.5	0.3883E-03	15	0- 45	0.1712E-02	90-135	0.1457E-02
30-45.00	0.7387E-01	-7.5 TO 37.5	0.2927E-03	82.5-127.5	0.2109E-03	30	0- 45	0.1182E-02	90-135	0.8791E-03
45-60.00	0.9627E-01	-7.5 TO 37.5	0.1276E-03	82.5-127.5	0.7999E-04	45	0- 45	0.6074E-03	90-135	0.4000E-03
60-75.00	0.1121E 00	-7.5 TO 37.5	0.2079E-04	82.5-127.5	0.7153E-05	60	0- 45	0.1909E-03	90-135	0.9220E-04
75-76.46	0.2734E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.2112E-01	-7.5 TO 52.5	0.5963E-03	82.5-142.5	0.5369E-03	0	0- 60	0.2403E-02	90-150	0.2403E-02
15-30.00	0.6152E-01	-7.5 TO 52.5	0.4777E-03	82.5-142.5	0.3805E-03	15	0- 60	0.2262E-02	90-150	0.1918E-02
30-45.00	0.9855E-01	-7.5 TO 52.5	0.2881E-03	82.5-142.5	0.2045E-03	30	0- 60	0.1550E-02	90-150	0.1144E-02
45-60.00	0.1284E 00	-7.5 TO 52.5	0.1248E-03	82.5-142.5	0.7648E-04	45	0- 60	0.7915E-03	90-150	0.5153E-03
60-75.00	0.1495E 00	-7.5 TO 52.5	0.1989E-04	82.5-142.5	0.6449E-05	60	0- 60	0.2454E-03	90-150	0.1151E-03
75-76.46	0.3644E-01	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.2640E-01	-7.5 TO 67.5	0.5925E-03	82.5-157.5	0.5325E-03	0	0- 75	0.3004E-02	90-165	0.3004E-02
15-30.00	0.7740E-01	-7.5 TO 67.5	0.4712E-03	82.5-157.5	0.3737E-03	15	0- 75	0.2797E-02	90-165	0.2370E-02
30-45.00	0.1231E 00	-7.5 TO 67.5	0.2824E-03	82.5-157.5	0.1991E-03	30	0- 75	0.1899E-02	90-165	0.1401E-02
45-60.00	0.1605E 00	-7.5 TO 67.5	0.1214E-03	82.5-157.5	0.7350E-04	45	0- 75	0.9626E-03	90-165	0.6255E-03
60-75.00	0.1869E 00	-7.5 TO 67.5	0.1879E-04	82.5-157.5	0.5882E-05	60	0- 75	0.2936E-03	90-165	0.1359E-03
75-76.46	0.4557E-01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.3168E-01	-7.5 TO 82.5	0.5880E-03	82.5-172.5	0.5288E-03	0	0- 90	0.3604E-02	90-180	0.3604E-02
15-30.00	0.9288E-01	-7.5 TO 82.5	0.4637E-03	82.5-172.5	0.3681E-03	15	0- 90	0.3315E-02	90-180	0.2819E-02
30-45.00	0.1477E 00	-7.5 TO 82.5	0.2758E-03	82.5-172.5	0.1946E-03	30	0- 90	0.2229E-02	90-180	0.1654E-02
45-60.00	0.1925E 00	-7.5 TO 82.5	0.1175E-03	82.5-172.5	0.7108E-04	45	0- 90	0.1120E-02	90-180	0.7332E-03
60-75.00	0.2242E 00	-7.5 TO 82.5	0.1759E-04	82.5-172.5	0.5438E-05	60	0- 90	0.3353E-03	90-180	0.1556E-03
75-76.46	0.5466E-01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.3696E-01	-7.5 TO 97.5	0.5831E-03	82.5-187.5	0.5260E-03	0	0-105	0.4205E-02	90-195	0.4205E-02
15-30.00	0.1084E 00	-7.5 TO 97.5	0.4555E-03	82.5-187.5	0.3638E-03	15	0-105	0.3815E-02	90-195	0.3268E-02
30-45.00	0.1724E 00	-7.5 TO 97.5	0.2687E-03	82.5-187.5	0.1911E-03	30	0-105	0.2539E-02	90-195	0.1907E-02
45-60.00	0.2246E 00	-7.5 TO 97.5	0.1133E-03	82.5-187.5	0.6923E-04	45	0-105	0.1265E-02	90-195	0.8408E-03
60-75.00	0.2616E 00	-7.5 TO 97.5	0.1635E-04	82.5-187.5	0.5103E-05	60	0-105	0.3710E-03	90-195	0.1754E-03
75-76.46	0.6386E-01	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6400$ $\cosh \mu_2 = 3.4000$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 121.43$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5266E-02	-7.5 TO 7.5	0.1148E-02	82.5- 97.5	0.1016E-02	0	0- 15	0.1101E-02	90-105	0.1101E-02
15-30.00	0.1546E-01	-7.5 TO 7.5	0.9779E-03	82.5- 97.5	0.7519E-03	15	0- 15	0.1122E-02	90-105	0.9148E-03
30-45.00	0.2442E-01	-7.5 TO 7.5	0.6271E-03	82.5- 97.5	0.4233E-03	30	0- 15	0.8270E-03	90-105	0.5687E-03
45-60.00	0.3265E-01	-7.5 TO 7.5	0.2915E-03	82.5- 97.5	0.1685E-03	45	0- 15	0.4515E-03	90-105	0.2673E-03
60-75.00	0.3737E-01	-7.5 TO 7.5	0.5899E-04	82.5- 97.5	0.1815E-04	60	0- 15	0.1581E-03	90-105	0.6720E-04
75-78.46	0.5114E-02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1054E-01	-7.5 TO 22.5	0.1145E-02	82.5-112.5	0.1001E-02	0	0- 30	0.2201E-02	90-120	0.2201E-02
15-30.00	0.3056E-01	-7.5 TO 22.5	0.9736E-03	82.5-112.5	0.7268E-03	15	0- 30	0.2231E-02	90-120	0.1788E-02
30-45.00	0.4925E-01	-7.5 TO 22.5	0.6230E-03	82.5-112.5	0.4022E-03	30	0- 30	0.1636E-02	90-120	0.1090E-02
45-60.00	0.6418E-01	-7.5 TO 22.5	0.2889E-03	82.5-112.5	0.1566E-03	45	0- 30	0.8894E-03	90-120	0.5035E-03
60-75.00	0.7474E-01	-7.5 TO 22.5	0.5796E-04	82.5-112.5	0.1554E-04	60	0- 30	0.3050E-03	90-120	0.1206E-03
75-78.46	0.1023E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.1564E-01	-7.5 TO 37.5	0.1140E-02	82.5-127.5	0.9858E-03	0	0- 45	0.3302E-02	90-135	0.3302E-02
15-30.00	0.4644E-01	-7.5 TO 37.5	0.9688E-03	82.5-127.5	0.7038E-03	15	0- 45	0.3314E-02	90-135	0.2625E-02
30-45.00	0.7387E-01	-7.5 TO 37.5	0.6139E-03	82.5-127.5	0.3831E-03	30	0- 45	0.2411E-02	90-135	0.1572E-02
45-60.00	0.9627E-01	-7.5 TO 37.5	0.2832E-03	82.5-127.5	0.1461E-03	45	0- 45	0.1302E-02	90-135	0.7143E-03
60-75.00	0.1121E 00	-7.5 TO 37.5	0.5571E-04	82.5-127.5	0.1337E-04	60	0- 45	0.4470E-03	90-135	0.1634E-03
75-78.46	0.2734E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.2112E-01	-7.5 TO 52.5	0.1132E-02	82.5-142.5	0.9725E-03	0	0- 60	0.4402E-02	90-150	0.4402E-02
15-30.00	0.6152E-01	-7.5 TO 52.5	0.9494E-03	82.5-142.5	0.6833E-03	15	0- 60	0.4361E-02	90-150	0.3434E-02
30-45.00	0.9855E-01	-7.5 TO 52.5	0.6004E-03	82.5-142.5	0.3664E-03	30	0- 60	0.3140E-02	90-150	0.2024E-02
45-60.00	0.1284E 00	-7.5 TO 52.5	0.2748E-03	82.5-142.5	0.1370E-03	45	0- 60	0.1681E-02	90-150	0.9062E-03
60-75.00	0.1495E 00	-7.5 TO 52.5	0.5257E-04	82.5-142.5	0.1163E-04	60	0- 60	0.5679E-03	90-150	0.1986E-03
75-78.46	0.3648E-01	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.2641E-01	-7.5 TO 67.5	0.1122E-02	82.5-157.5	0.9609E-03	0	0- 75	0.5503E-02	90-165	0.5503E-02
15-30.00	0.7740E-01	-7.5 TO 67.5	0.9311E-03	82.5-157.5	0.6657E-03	15	0- 75	0.5366E-02	90-165	0.4223E-02
30-45.00	0.1231E 00	-7.5 TO 67.5	0.5836E-03	82.5-157.5	0.3522E-03	30	0- 75	0.3816E-02	90-165	0.2455E-02
45-60.00	0.1605E 00	-7.5 TO 67.5	0.2645E-03	82.5-157.5	0.1295E-03	45	0- 75	0.2023E-02	90-165	0.1085E-02
60-75.00	0.1869E 00	-7.5 TO 67.5	0.4890E-04	82.5-157.5	0.1029E-04	60	0- 75	0.6701E-03	90-165	0.2290E-03
75-78.46	0.4557E-01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.3168E-01	-7.5 TO 82.5	0.1109E-02	82.5-172.5	0.9514E-03	0	0- 90	0.6604E-02	90-180	0.6604E-02
15-30.00	0.9282E-01	-7.5 TO 82.5	0.9101E-03	82.5-172.5	0.6513E-03	15	0- 90	0.6326E-02	90-180	0.5003E-02
30-45.00	0.1477E 00	-7.5 TO 82.5	0.5646E-03	82.5-172.5	0.3407E-03	30	0- 90	0.4438E-02	90-180	0.2876E-02
45-60.00	0.1925E 00	-7.5 TO 82.5	0.2529E-03	82.5-172.5	0.1234E-03	45	0- 90	0.2926E-02	90-180	0.1259E-02
60-75.00	0.2242E 00	-7.5 TO 82.5	0.4502E-04	82.5-172.5	0.9267E-05	60	0- 90	0.7538E-03	90-180	0.2571E-03
75-78.46	0.5468E-01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.3656E-01	-7.5 TO 97.5	0.1096E-02	82.5-187.5	0.9440E-03	0	0-105	0.7704E-02	90-195	0.7704E-02
15-30.00	0.1084E 00	-7.5 TO 97.5	0.8875E-03	82.5-187.5	0.6403E-03	15	0-105	0.7241E-02	90-195	0.5782E-02
30-45.00	0.1724E 00	-7.5 TO 97.5	0.5444E-03	82.5-187.5	0.3319E-03	30	0-105	0.5006E-02	90-195	0.3297E-02
45-60.00	0.2246E 00	-7.5 TO 97.5	0.2409E-03	82.5-187.5	0.1188E-03	45	0-105	0.2594E-02	90-195	0.1432E-02
60-75.00	0.2616E 00	-7.5 TO 97.5	0.4118E-04	82.5-187.5	0.8499E-05	60	0-105	0.8210E-03	90-195	0.2851E-03
75-78.46	0.6380E-01	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

$r_2/r_1 = 0.40$ $d/r_1 = 3.00$ $\cosh \mu_1 = 1.6400$ $\cosh \mu_2 = 3.4000$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 103.97$

0-15.00	0.5286E-02	-7.5 TO 7.5	0.1611E-02	82.5- 97.5	0.1377E-02	0	0- 15	0.1488E-02	90-105	0.1488E-02
15-30.00	0.1548E-01	-7.5 TO 7.5	0.1438E-02	82.5- 97.5	0.1027E-02	15	0- 15	0.1604E-02	90-105	0.1233E-02
30-45.00	0.2442E-01	-7.5 TO 7.5	0.9669E-03	82.5- 97.5	0.5853E-03	30	0- 15	0.1245E-02	90-105	0.7703E-03
45-60.00	0.3265E-01	-7.5 TO 7.5	0.4725E-03	82.5- 97.5	0.2373E-03	45	0- 15	0.7131E-03	90-105	0.3658E-03
60-75.00	0.3737E-01	-7.5 TO 7.5	0.1104E-03	82.5- 97.5	0.2718E-04	60	0- 15	0.2678E-03	90-105	0.9402E-04
75-78.46	0.9114E-02	-7.5 TO 7.5	0.2968E-06	82.5- 97.5	0.	75	0- 15	0.2410E-05	90-105	0.
0-15.00	0.1056E-01	-7.5 TO 22.5	0.1607E-02	82.5-112.5	0.1349E-02	0	0- 30	0.2976E-02	90-120	0.2976E-02
15-30.00	0.3056E-01	-7.5 TO 22.5	0.1430E-02	82.5-112.5	0.9823E-03	15	0- 30	0.3184E-02	90-120	0.2394E-02
30-45.00	0.4925E-01	-7.5 TO 22.5	0.9590E-03	82.5-112.5	0.5477E-03	30	0- 30	0.2456E-02	90-120	0.1458E-02
45-60.00	0.6418E-01	-7.5 TO 22.5	0.4674E-03	82.5-112.5	0.2162E-03	45	0- 30	0.1400E-02	90-120	0.6768E-03
60-75.00	0.7474E-01	-7.5 TO 22.5	0.1082E-03	82.5-112.5	0.2248E-04	60	0- 30	0.5213E-03	90-120	0.1645E-03
75-78.46	0.1823E-01	-7.5 TO 22.5	0.2338E-06	82.5-112.5	0.	75	0- 30	0.3338E-05	90-120	0.
0-15.00	0.1564E-01	-7.5 TO 37.5	0.1597E-02	82.5-127.5	0.1324E-02	0	0- 45	0.4464E-02	90-135	0.4464E-02
15-30.00	0.4644E-01	-7.5 TO 37.5	0.1412E-02	82.5-127.5	0.9420E-03	15	0- 45	0.4717E-02	90-135	0.3492E-02
30-45.00	0.7387E-01	-7.5 TO 37.5	0.9413E-03	82.5-127.5	0.5142E-03	30	0- 45	0.3604E-02	90-135	0.2077E-02
45-60.00	0.9627E-01	-7.5 TO 37.5	0.4560E-03	82.5-127.5	0.1979E-03	45	0- 45	0.2037E-02	90-135	0.9443E-03
60-75.00	0.1121E 00	-7.5 TO 37.5	0.1033E-03	82.5-127.5	0.1881E-04	60	0- 45	0.7487E-03	90-135	0.2177E-03
75-78.46	0.2734E-01	-7.5 TO 37.5	0.1651E-06	82.5-127.5	0.	75	0- 45	0.3355E-05	90-135	0.
0-15.00	0.2112E-01	-7.5 TO 52.5	0.1582E-02	82.5-142.5	0.1301E-02	0	0- 60	0.5952E-02	90-150	0.5952E-02
15-30.00	0.6152E-01	-7.5 TO 52.5	0.1385E-02	82.5-142.5	0.9064E-03	15	0- 60	0.6185E-02	90-150	0.4542E-02
30-45.00	0.9855E-01	-7.5 TO 52.5	0.9155E-03	82.5-142.5	0.4852E-03	30	0- 60	0.4665E-02	90-150	0.2645E-02
45-60.00	0.1284E 00	-7.5 TO 52.5	0.4395E-03	82.5-142.5	0.1825E-03	45	0- 60	0.2610E-02	90-150	0.1180E-02
60-75.00	0.1495E 00	-7.5 TO 52.5	0.9662E-04	82.5-142.5	0.1600E-04	60	0- 60	0.9426E-03	90-150	0.2592E-03
75-78.46	0.3646E-01	-7.5 TO 52.5	0.1239E-06	82.5-142.5	0.	75	0- 60	0.3355E-05	90-150	0.
0-15.00	0.2641E-01	-7.5 TO 67.5	0.1564E-02	82.5-157.5	0.1281E-02	0	0- 75	0.7440E-02	90-165	0.7440E-02
15-30.00	0.7740E-01	-7.5 TO 67.5	0.1352E-02	82.5-157.5	0.8761E-03	15	0- 75	0.7578E-02	90-165	0.5559E-02
30-45.00	0.1231E 00	-7.5 TO 67.5	0.8837E-03	82.5-157.5	0.4609E-03	30	0- 75	0.5629E-02	90-165	0.3178E-02
45-60.00	0.1605E 00	-7.5 TO 67.5	0.4194E-03	82.5-157.5	0.1698E-03	45	0- 75	0.3111E-02	90-165	0.1395E-02
60-75.00	0.1869E 00	-7.5 TO 67.5	0.8887E-04	82.5-157.5	0.1389E-04	60	0- 75	0.1101E-02	90-165	0.2937E-03
75-78.46	0.4557E-01	-7.5 TO 67.5	0.9910E-07	82.5-157.5	0.	75	0- 75	0.3355E-05	90-165	0.
0-15.00	0.3168E-01	-7.5 TO 82.5	0.1542E-02	82.5-172.5	0.1264E-02	0	0- 90	0.8929E-02	90-180	0.8929E-02
15-30.00	0.9282E-01	-7.5 TO 82.5	0.1313E-02	82.5-172.5	0.8513E-03	15	0- 90	0.8850E-02	90-180	0.6558E-02
30-45.00	0.1477E 00	-7.5 TO 82.5	0.8490E-03	82.5-172.5	0.4413E-03	30	0- 90	0.6494E-02	90-180	0.3694E-02
45-60.00	0.1925E 00	-7.5 TO 82.5	0.3972E-03	82.5-172.5	0.1598E-03	45	0- 90	0.3542E-02	90-180	0.1600E-02
60-75.00	0.2242E 00	-7.5 TO 82.5	0.8090E-04	82.5-172.5	0.1231E-04	60	0- 90	0.1224E-02	90-180	0.3249E-03
75-78.46	0.5468E-01	-7.5 TO 82.5	0.8259E-07	82.5-172.5	0.	75	0- 90	0.3355E-05	90-180	0.
0-15.00	0.3656E-01	-7.5 TO 97.5	0.1519E-02	82.5-187.5	0.1251E-02	0	0-105	0.1042E-01	90-195	0.1042E-01
15-30.00	0.1084E 00	-7.5 TO 97.5	0.1272E-02	82.5-187.5	0.8324E-03	15	0-105	0.1012E-01	90-195	0.7558E-02
30-45.00	0.1724E 00	-7.5 TO 97.5	0.8104E-03	82.5-187.5	0.4262E-03	30	0-105	0.7264E-02	90-195	0.4210E-02
45-60.00	0.2246E 00	-7.5 TO 97.5	0.3744E-03	82.5-187.5	0.1521E-03	45	0-105	0.3908E-02	90-195	0.1805E-02
60-75.00	0.2616E 00	-7.5 TO 97.5	0.7322E-04	82.5-187.5	0.1113E-04	60	0-105	0.1318E-02	90-195	0.3561E-03
75-78.46	0.6380E-01	-7.5 TO 97.5	0.7079E-07	82.5-187.5	0.	75	0-105	0.3355E-05	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6400$ $\cosh \mu_2 = 3.4000$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 87.81$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5226E-02	-7.5 TO 7.5	0.1867E-02	82.5- 97.5	0.1539E-02	0	0- 15	0.1661E-02	90-105	0.1661E-02
15-30.00	0.1546E-01	-7.5 TO 7.5	0.1742E-02	82.5- 97.5	0.1154E-02	15	0- 15	0.1892E-02	90-105	0.1370E-02
30-45.00	0.2462E-01	-7.5 TO 7.5	0.1222E-02	82.5- 97.5	0.6645E-03	30	0- 15	0.1541E-02	90-105	0.8573E-03
45-60.00	0.3265E-01	-7.5 TO 7.5	0.6219E-03	82.5- 97.5	0.2737E-03	45	0- 15	0.9198E-03	90-105	0.4100E-03
60-75.00	0.3737E-01	-7.5 TO 7.5	0.1595E-03	82.5- 97.5	0.3274E-04	60	0- 15	0.3636E-03	90-105	0.1072E-03
75-78.46	0.9114E-02	-7.5 TO 7.5	0.2006E-05	82.5- 97.5	0.	75	0- 15	0.1094E-04	90-105	0.
0-15.00	0.1056E-01	-7.5 TO 22.5	0.1861E-02	82.5-112.5	0.1501E-02	0	0- 30	0.3321E-02	90-120	0.3321E-02
15-30.00	0.3066E-01	-7.5 TO 22.5	0.1731E-02	82.5-112.5	0.1092E-02	15	0- 30	0.3750E-02	90-120	0.2640E-02
30-45.00	0.4925E-01	-7.5 TO 22.5	0.1210E-02	82.5-112.5	0.6122E-03	30	0- 30	0.3032E-02	90-120	0.1600E-02
45-60.00	0.6418E-01	-7.5 TO 22.5	0.6141E-03	82.5-112.5	0.2443E-03	45	0- 30	0.1799E-02	90-120	0.7444E-03
60-75.00	0.7474E-01	-7.5 TO 22.5	0.1560E-03	82.5-112.5	0.2636E-04	60	0- 30	0.7050E-03	90-120	0.1834E-03
75-78.46	0.1823E-01	-7.5 TO 22.5	0.2029E-05	82.5-112.5	0.	75	0- 30	0.1775E-04	90-120	0.
0-15.00	0.1564E-01	-7.5 TO 37.5	0.1847E-02	82.5-127.5	0.1465E-02	0	0- 45	0.4982E-02	90-135	0.4982E-02
15-30.00	0.4644E-01	-7.5 TO 37.5	0.1705E-02	82.5-127.5	0.1037E-02	15	0- 45	0.5540E-02	90-135	0.3824E-02
30-45.00	0.7387E-01	-7.5 TO 37.5	0.1184E-02	82.5-127.5	0.5663E-03	30	0- 45	0.4429E-02	90-135	0.2252E-02
45-60.00	0.9627E-01	-7.5 TO 37.5	0.5967E-03	82.5-127.5	0.2197E-03	45	0- 45	0.2605E-02	90-135	0.1023E-02
60-75.00	0.1121E 00	-7.5 TO 37.5	0.1484E-03	82.5-127.5	0.2162E-04	60	0- 45	0.1006E-02	90-135	0.2386E-03
75-78.46	0.2734E-01	-7.5 TO 37.5	0.1573E-05	82.5-127.5	0.	75	0- 45	0.1945E-04	90-135	0.
0-15.00	0.2112E-01	-7.5 TO 52.5	0.1847E-02	82.5-142.5	0.1433E-02	0	0- 60	0.6642E-02	90-150	0.6642E-02
15-30.00	0.6152E-01	-7.5 TO 52.5	0.1666E-02	82.5-142.5	0.9887E-03	15	0- 60	0.7240E-02	90-150	0.4943E-02
30-45.00	0.9856E-01	-7.5 TO 52.5	0.1145E-02	82.5-142.5	0.5279E-03	30	0- 60	0.5702E-02	90-150	0.2839E-02
45-60.00	0.1284E 00	-7.5 TO 52.5	0.5717E-03	82.5-142.5	0.1998E-03	45	0- 60	0.3314E-02	90-150	0.1263E-02
60-75.00	0.1495E 00	-7.5 TO 52.5	0.1378E-03	82.5-142.5	0.1815E-04	60	0- 60	0.1257E-02	90-150	0.2807E-03
75-78.46	0.3646E-01	-7.5 TO 52.5	0.1193E-05	82.5-142.5	0.	75	0- 60	0.1946E-04	90-150	0.
0-15.00	0.2640E-01	-7.5 TO 67.5	0.1801E-02	82.5-157.5	0.1406E-02	0	0- 75	0.8303E-02	90-165	0.8303E-02
15-30.00	0.7740E-01	-7.5 TO 67.5	0.1618E-02	82.5-157.5	0.9484E-03	15	0- 75	0.8833E-02	90-165	0.6018E-02
30-45.00	0.1231E 00	-7.5 TO 67.5	0.1099E-02	82.5-157.5	0.4965E-03	30	0- 75	0.6834E-02	90-165	0.3365E-02
45-60.00	0.1605E 00	-7.5 TO 67.5	0.5415E-03	82.5-157.5	0.1840E-03	45	0- 75	0.3919E-02	90-165	0.1480E-02
60-75.00	0.1865E 00	-7.5 TO 67.5	0.1258E-03	82.5-157.5	0.1562E-04	60	0- 75	0.1455E-02	90-165	0.3153E-03
75-78.46	0.4557E-01	-7.5 TO 67.5	0.9544E-06	82.5-157.5	0.	75	0- 75	0.1946E-04	90-165	0.
0-15.00	0.3166E-01	-7.5 TO 82.5	0.1770E-02	82.5-172.5	0.1383E-02	0	0- 90	0.9963E-02	90-180	0.9963E-02
15-30.00	0.9286E-01	-7.5 TO 82.5	0.1563E-02	82.5-172.5	0.9160E-03	15	0- 90	0.1031E-01	90-180	0.7071E-02
30-45.00	0.1477E 00	-7.5 TO 82.5	0.1046E-02	82.5-172.5	0.4717E-03	30	0- 90	0.7824E-02	90-180	0.3911E-02
45-60.00	0.1925E 00	-7.5 TO 82.5	0.5086E-03	82.5-172.5	0.1716E-03	45	0- 90	0.4421E-02	90-180	0.1687E-02
60-75.00	0.2242E 00	-7.5 TO 82.5	0.1135E-03	82.5-172.5	0.1375E-04	60	0- 90	0.1603E-02	90-180	0.3466E-03
75-78.46	0.5468E-01	-7.5 TO 82.5	0.7953E-06	82.5-172.5	0.	75	0- 90	0.1946E-04	90-180	0.
0-15.00	0.3656E-01	-7.5 TO 97.5	0.1737E-02	82.5-187.5	0.1366E-02	0	0-105	0.1162E-01	90-195	0.1162E-01
15-30.00	0.1084E 00	-7.5 TO 97.5	0.1504E-02	82.5-187.5	0.8912E-03	15	0-105	0.1168E-01	90-195	0.8124E-02
30-45.00	0.1724E 00	-7.5 TO 97.5	0.9917E-03	82.5-187.5	0.4529E-03	30	0-105	0.8681E-02	90-195	0.4437E-02
45-60.00	0.2246E 00	-7.5 TO 97.5	0.4750E-03	82.5-187.5	0.1623E-03	45	0-105	0.4831E-02	90-195	0.1893E-02
60-75.00	0.2616E 00	-7.5 TO 97.5	0.1020E-03	82.5-187.5	0.1236E-04	60	0-105	0.1711E-02	90-195	0.3778E-03
75-78.46	0.6380E-01	-7.5 TO 97.5	0.6817E-06	82.5-187.5	0.	75	0-105	0.1946E-04	90-195	0.

$r_2/r_1 = 0.40$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6400$ $\cosh \mu_2 = 3.4000$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 72.90$

0-15.00	0.5226E-02	-7.5 TO 7.5	0.1906E-02	82.5- 97.5	0.1545E-02	0	0- 15	0.1667E-02	90-105	0.1667E-02
15-30.00	0.1546E-01	-7.5 TO 7.5	0.1841E-02	82.5- 97.5	0.1160E-02	15	0- 15	0.1954E-02	90-105	0.1373E-02
30-45.00	0.2462E-01	-7.5 TO 7.5	0.1340E-02	82.5- 97.5	0.6702E-03	30	0- 15	0.1660E-02	90-105	0.8593E-03
45-60.00	0.3265E-01	-7.5 TO 7.5	0.7041E-03	82.5- 97.5	0.2769E-03	45	0- 15	0.1026E-02	90-105	0.4113E-03
60-75.00	0.3737E-01	-7.5 TO 7.5	0.1901E-03	82.5- 97.5	0.3342E-04	60	0- 15	0.4197E-03	90-105	0.1078E-03
75-78.46	0.9114E-02	-7.5 TO 7.5	0.5965E-05	82.5- 97.5	0.	75	0- 15	0.1849E-04	90-105	0.
0-15.00	0.1056E-01	-7.5 TO 22.5	0.1899E-02	82.5-112.5	0.1505E-02	0	0- 30	0.3333E-02	90-120	0.3333E-02
15-30.00	0.3066E-01	-7.5 TO 22.5	0.1826E-02	82.5-112.5	0.1096E-02	15	0- 30	0.3866E-02	90-120	0.2643E-02
30-45.00	0.4925E-01	-7.5 TO 22.5	0.1325E-02	82.5-112.5	0.6151E-03	30	0- 30	0.3256E-02	90-120	0.1602E-02
45-60.00	0.6418E-01	-7.5 TO 22.5	0.6940E-03	82.5-112.5	0.2461E-03	45	0- 30	0.2000E-02	90-120	0.7457E-03
60-75.00	0.7474E-01	-7.5 TO 22.5	0.1856E-03	82.5-112.5	0.2672E-04	60	0- 30	0.8108E-03	90-120	0.1840E-03
75-78.46	0.1823E-01	-7.5 TO 22.5	0.5270E-05	82.5-112.5	0.	75	0- 30	0.3052E-04	90-120	0.
0-15.00	0.1564E-01	-7.5 TO 37.5	0.1884E-02	82.5-127.5	0.1469E-02	0	0- 45	0.5000E-02	90-135	0.5000E-02
15-30.00	0.4644E-01	-7.5 TO 37.5	0.1794E-02	82.5-127.5	0.1039E-02	15	0- 45	0.5701E-02	90-135	0.3828E-02
30-45.00	0.7387E-01	-7.5 TO 37.5	0.1292E-02	82.5-127.5	0.5682E-03	30	0- 45	0.4736E-02	90-135	0.2254E-02
45-60.00	0.9627E-01	-7.5 TO 37.5	0.6718E-03	82.5-127.5	0.2209E-03	45	0- 45	0.2881E-02	90-135	0.1024E-02
60-75.00	0.1121E 00	-7.5 TO 37.5	0.1758E-03	82.5-127.5	0.2186E-04	60	0- 45	0.1151E-02	90-135	0.2391E-03
75-78.46	0.2734E-01	-7.5 TO 37.5	0.4132E-05	82.5-127.5	0.	75	0- 45	0.3526E-04	90-135	0.
0-15.00	0.2112E-01	-7.5 TO 52.5	0.1861E-02	82.5-142.5	0.1436E-02	0	0- 60	0.6667E-02	90-150	0.6667E-02
15-30.00	0.6152E-01	-7.5 TO 52.5	0.1747E-02	82.5-142.5	0.9904E-03	15	0- 60	0.7433E-02	90-150	0.4947E-02
30-45.00	0.9850E-01	-7.5 TO 52.5	0.1244E-02	82.5-142.5	0.5293E-03	30	0- 60	0.6063E-02	90-150	0.2841E-02
45-60.00	0.1284E 00	-7.5 TO 52.5	0.6399E-03	82.5-142.5	0.2007E-03	45	0- 60	0.3640E-02	90-150	0.1265E-02
60-75.00	0.1495E 00	-7.5 TO 52.5	0.1623E-03	82.5-142.5	0.1833E-04	60	0- 60	0.1427E-02	90-150	0.2812E-03
75-78.46	0.3646E-01	-7.5 TO 52.5	0.3160E-05	82.5-142.5	0.	75	0- 60	0.3549E-04	90-150	0.
0-15.00	0.2640E-01	-7.5 TO 67.5	0.1832E-02	82.5-157.5	0.1406E-02	0	0- 75	0.8333E-02	90-165	0.8333E-02
15-30.00	0.7740E-01	-7.5 TO 67.5	0.1690E-02	82.5-157.5	0.9498E-03	15	0- 75	0.9045E-02	90-165	0.6022E-02
30-45.00	0.1231E 00	-7.5 TO 67.5	0.1189E-02	82.5-157.5	0.4977E-03	30	0- 75	0.7225E-02	90-165	0.3387E-02
45-60.00	0.1605E 00	-7.5 TO 67.5	0.6017E-03	82.5-157.5	0.1847E-03	45	0- 75	0.4270E-02	90-165	0.1482E-02
60-75.00	0.1865E 00	-7.5 TO 67.5	0.1470E-03	82.5-157.5	0.1576E-04	60	0- 75	0.1637E-02	90-165	0.3159E-03
75-78.46	0.4557E-01	-7.5 TO 67.5	0.2528E-05	82.5-157.5	0.	75	0- 75	0.3549E-04	90-165	0.
0-15.00	0.3166E-01	-7.5 TO 82.5	0.1798E-02	82.5-172.5	0.1385E-02	0	0- 90	0.1000E-01	90-180	0.1000E-01
15-30.00	0.9286E-01	-7.5 TO 82.5	0.1626E-02	82.5-172.5	0.9172E-03	15	0- 90	0.1054E-01	90-180	0.7075E-02
30-45.00	0.1477E 00	-7.5 TO 82.5	0.1122E-02	82.5-172.5	0.4727E-03	30	0- 90	0.8226E-02	90-180	0.3913E-02
45-60.00	0.1925E 00	-7.5 TO 82.5	0.5608E-03	82.5-172.5	0.1722E-03	45	0- 90	0.4781E-02	90-180	0.1688E-02
60-75.00	0.2242E 00	-7.5 TO 82.5	0.1318E-03	82.5-172.5	0.1387E-04	60	0- 90	0.1789E-02	90-180	0.3471E-03
75-78.46	0.5466E-01	-7.5 TO 82.5	0.2107E-05	82.5-172.5	0.	75	0- 90	0.3549E-04	90-180	0.
0-15.00	0.3656E-01	-7.5 TO 97.5	0.1762E-02	82.5-187.5	0.1368E-02	0	0-105	0.1167E-01	90-195	0.1167E-01
15-30.00	0.1084E 00	-7.5 TO 97.5	0.1559E-02	82.5-187.5	0.8922E-03	15	0-105	0.1191E-01	90-195	0.8128E-02
30-45.00	0.1724E 00	-7.5 TO 97.5	0.1057E-02	82.5-187.5	0.4537E-03	30	0-105	0.9085E-02	90-195	0.4439E-02
45-60.00	0.2246E 00	-7.5 TO 97.5	0.5202E-03	82.5-187.5	0.1628E-03	45	0-105	0.5192E-02	90-195	0.1894E-02
60-75.00	0.2616E 00	-7.5 TO 97.5	0.1177E-03	82.5-187.5	0.1247E-04	60	0-105	0.1897E-02	90-195	0.3784E-03
75-78.46	0.6380E-01	-7.5 TO 97.5	0.1806E-05	82.5-187.5	0.	75	0-105	0.3549E-04	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

r_2/r_1 = 0.40 d/r_1 = 3.000 $\cosh \mu_1$ = 1.6400 $\cosh \mu_2$ = 3.4000 $\alpha_{2,max}$ = 101.54 $\theta_{2,min}$ = 62.18

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5226E-02	-7.5 TO 7.5	0.1506E-02	82.5- 97.5	0.1545E-02	0	0- 15	0.1667E-02	90-105	0.1667E-02
15-30.00	0.1548E-01	-7.5 TO 7.5	0.1841E-02	82.5- 97.5	0.1160E-02	15	0- 15	0.1954E-02	90-105	0.1373E-02
30-45.00	0.2462E-01	-7.5 TO 7.5	0.1349E-02	82.5- 97.5	0.6702E-03	30	0- 15	0.1662E-02	90-105	0.8593E-03
45-60.00	0.3205E-01	-7.5 TO 7.5	0.7169E-03	82.5- 97.5	0.2769E-03	45	0- 15	0.1038E-02	90-105	0.4113E-03
60-75.00	0.3737E-01	-7.5 TO 7.5	0.1966E-03	82.5- 97.5	0.3342E-04	60	0- 15	0.4303E-03	90-105	0.1078E-03
75-78.46	0.5114E-02	-7.5 TO 7.5	0.6893E-05	82.5- 97.5	0.	75	0- 15	0.2037E-04	90-105	0.
0-15.00	0.1056E-01	-7.5 TO 22.5	0.1899E-02	82.5-112.5	0.1505E-02	0	0- 30	0.3333E-02	90-120	0.3333E-02
15-30.00	0.3056E-01	-7.5 TO 22.5	0.1827E-02	82.5-112.5	0.1096E-02	15	0- 30	0.3866E-02	90-120	0.2643E-02
30-45.00	0.4925E-01	-7.5 TO 22.5	0.1333E-02	82.5-112.5	0.6151E-03	30	0- 30	0.3260E-02	90-120	0.1602E-02
45-60.00	0.6418E-01	-7.5 TO 22.5	0.7059E-03	82.5-112.5	0.2461E-03	45	0- 30	0.2021E-02	90-120	0.7457E-03
60-75.00	0.1474E-01	-7.5 TO 22.5	0.1917E-03	82.5-112.5	0.2672E-04	60	0- 30	0.8296E-03	90-120	0.1840E-03
75-78.46	0.1823E-01	-7.5 TO 22.5	0.6089E-05	82.5-112.5	0.	75	0- 30	0.3405E-04	90-120	0.
0-15.00	0.1564E-01	-7.5 TO 37.5	0.1884E-02	82.5-127.5	0.1469E-02	0	0- 45	0.5000E-02	90-135	0.5000E-02
15-30.00	0.4644E-01	-7.5 TO 37.5	0.1794E-02	82.5-127.5	0.1039E-02	15	0- 45	0.5701E-02	90-135	0.3828E-02
30-45.00	0.7387E-01	-7.5 TO 37.5	0.1298E-02	82.5-127.5	0.5682E-03	30	0- 45	0.4739E-02	90-135	0.2254E-02
45-60.00	0.9623E-01	-7.5 TO 37.5	0.6819E-03	82.5-127.5	0.2209E-03	45	0- 45	0.2905E-02	90-135	0.1024E-02
60-75.00	0.1121E 00	-7.5 TO 37.5	0.1810E-03	82.5-127.5	0.2186E-04	60	0- 45	0.1173E-02	90-135	0.2391E-03
75-78.46	0.2734E-01	-7.5 TO 37.5	0.4773E-05	82.5-127.5	0.	75	0- 45	0.3883E-04	90-135	0.
0-15.00	0.2112E-01	-7.5 TO 52.5	0.1861E-02	82.5-142.5	0.1436E-02	0	0- 60	0.6667E-02	90-150	0.6667E-02
15-30.00	0.6152E-01	-7.5 TO 52.5	0.1748E-02	82.5-142.5	0.9904E-03	15	0- 60	0.7433E-02	90-150	0.4947E-02
30-45.00	0.9585E-01	-7.5 TO 52.5	0.1249E-02	82.5-142.5	0.5293E-03	30	0- 60	0.6067E-02	90-150	0.2841E-02
45-60.00	0.1264E 00	-7.5 TO 52.5	0.6480E-03	82.5-142.5	0.2007E-03	45	0- 60	0.3665E-02	90-150	0.1265E-02
60-75.00	0.1455E 00	-7.5 TO 52.5	0.1665E-03	82.5-142.5	0.1833E-04	60	0- 60	0.1450E-02	90-150	0.2812E-03
75-78.46	0.3646E-01	-7.5 TO 52.5	0.3652E-05	82.5-142.5	0.	75	0- 60	0.3910E-04	90-150	0.
0-15.00	0.2664E-01	-7.5 TO 67.5	0.1832E-02	82.5-157.5	0.1408E-02	0	0- 75	0.8333E-02	90-165	0.8333E-02
15-30.00	0.7740E-01	-7.5 TO 67.5	0.1690E-02	82.5-157.5	0.9498E-03	15	0- 75	0.9045E-02	90-165	0.6022E-02
30-45.00	0.1231E 00	-7.5 TO 67.5	0.1189E-02	82.5-157.5	0.4977E-03	30	0- 75	0.7228E-02	90-165	0.3387E-02
45-60.00	0.1605E 00	-7.5 TO 67.5	0.6083E-03	82.5-157.5	0.1847E-03	45	0- 75	0.4295E-02	90-165	0.1482E-02
60-75.00	0.1855E 00	-7.5 TO 67.5	0.1504E-03	82.5-157.5	0.1676E-04	60	0- 75	0.1660E-02	90-165	0.3159E-03
75-78.46	0.4557E-01	-7.5 TO 67.5	0.2922E-05	82.5-157.5	0.	75	0- 75	0.3910E-04	90-165	0.
0-15.00	0.3168E-01	-7.5 TO 82.5	0.1798E-02	82.5-172.5	0.1385E-02	0	0- 90	0.1000E-01	90-180	0.1000E-01
15-30.00	0.9288E-01	-7.5 TO 82.5	0.1626E-02	82.5-172.5	0.9172E-03	15	0- 90	0.1054E-01	90-180	0.7075E-02
30-45.00	0.1477E 00	-7.5 TO 82.5	0.1125E-02	82.5-172.5	0.4727E-03	30	0- 90	0.8229E-02	90-180	0.3913E-02
45-60.00	0.1925E 00	-7.5 TO 82.5	0.5602E-03	82.5-172.5	0.1722E-03	45	0- 90	0.4806E-02	90-180	0.1688E-02
60-75.00	0.2242E 00	-7.5 TO 82.5	0.1346E-03	82.5-172.5	0.1387E-04	60	0- 90	0.1813E-02	90-180	0.3471E-03
75-78.46	0.5466E-01	-7.5 TO 82.5	0.2435E-05	82.5-172.5	0.	75	0- 90	0.3910E-04	90-180	0.
0-15.00	0.3696E-01	-7.5 TO 97.5	0.1762E-02	82.5-187.5	0.1368E-02	0	0-105	0.1167E-01	90-195	0.1167E-01
15-30.00	0.1084E 00	-7.5 TO 97.5	0.1560E-02	82.5-187.5	0.8922E-03	15	0-105	0.1191E-01	90-195	0.8128E-02
30-45.00	0.1724E 00	-7.5 TO 97.5	0.1060E-02	82.5-187.5	0.4537E-03	30	0-105	0.9089E-02	90-195	0.4439E-02
45-60.00	0.2246E 00	-7.5 TO 97.5	0.5249E-03	82.5-187.5	0.1628E-03	45	0-105	0.5217E-02	90-195	0.1894E-02
60-75.00	0.2616E 00	-7.5 TO 97.5	0.1201E-03	82.5-187.5	0.1247E-04	60	0-105	0.1920E-02	90-195	0.3784E-03
75-78.46	0.6380E-01	-7.5 TO 97.5	0.2087E-05	82.5-187.5	0.	75	0-105	0.3910E-04	90-195	0.

r_2/r_1 = 0.40 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5840 $\cosh \mu_2$ = 6.0400 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 162.31

0-15.00	0.1571E-02	-7.5 TO 7.5	0.3330E-04	82.5- 97.5	0.3280E-04	0	0- 15	0.3417E-04	90-105	0.3417E-04
15-30.00	0.4607E-02	-7.5 TO 7.5	0.2884E-04	82.5- 97.5	0.2787E-04	15	0- 15	0.3218E-04	90-105	0.3136E-04
30-45.00	0.7329E-02	-7.5 TO 7.5	0.2110E-04	82.5- 97.5	0.1998E-04	30	0- 15	0.2561E-04	90-105	0.2437E-04
45-60.00	0.9551E-02	-7.5 TO 7.5	0.1246E-04	82.5- 97.5	0.1154E-04	45	0- 15	0.1693E-04	90-105	0.1573E-04
60-75.00	0.1112E-01	-7.5 TO 7.5	0.4684E-05	82.5- 97.5	0.4110E-05	60	0- 15	0.8431E-05	90-105	0.7577E-05
75-83.11	0.6402E-02	-7.5 TO 7.5	0.2798E-06	82.5- 97.5	0.1344E-06	75	0- 15	0.1338E-05	90-105	0.8968E-06
0-15.00	0.3143E-02	-7.5 TO 22.5	0.3329E-04	82.5-112.5	0.3273E-04	0	0- 30	0.6834E-04	90-120	0.6834E-04
15-30.00	0.9214E-02	-7.5 TO 22.5	0.2883E-04	82.5-112.5	0.2774E-04	15	0- 30	0.6431E-04	90-120	0.6255E-04
30-45.00	0.1466E-01	-7.5 TO 22.5	0.2108E-04	82.5-112.5	0.1984E-04	30	0- 30	0.5115E-04	90-120	0.4846E-04
45-60.00	0.1910E-01	-7.5 TO 22.5	0.1244E-04	82.5-112.5	0.1142E-04	45	0- 30	0.3378E-04	90-120	0.3120E-04
60-75.00	0.2224E-01	-7.5 TO 22.5	0.4674E-05	82.5-112.5	0.4040E-05	60	0- 30	0.1681E-04	90-120	0.1497E-04
75-83.11	0.1280E-01	-7.5 TO 22.5	0.2772E-06	82.5-112.5	0.1169E-06	75	0- 30	0.2648E-05	90-120	0.1701E-05
0-15.00	0.4714E-02	-7.5 TO 37.5	0.3327E-04	82.5-127.5	0.3267E-04	0	0- 45	0.1025E-03	90-135	0.1025E-03
15-30.00	0.1382E-01	-7.5 TO 37.5	0.2879E-04	82.5-127.5	0.2763E-04	15	0- 45	0.9635E-04	90-135	0.9356E-04
30-45.00	0.2199E-01	-7.5 TO 37.5	0.2103E-04	82.5-127.5	0.1970E-04	30	0- 45	0.7654E-04	90-135	0.7231E-04
45-60.00	0.2865E-01	-7.5 TO 37.5	0.1241E-04	82.5-127.5	0.1131E-04	45	0- 45	0.5050E-04	90-135	0.4645E-04
60-75.00	0.3337E-01	-7.5 TO 37.5	0.4651E-05	82.5-127.5	0.3973E-05	60	0- 45	0.2508E-04	90-135	0.2220E-04
75-83.11	0.1921E-01	-7.5 TO 37.5	0.2713E-06	82.5-127.5	0.1021E-06	75	0- 45	0.3905E-05	90-135	0.2425E-05
0-15.00	0.6285E-02	-7.5 TO 52.5	0.3324E-04	82.5-142.5	0.3262E-04	0	0- 60	0.1367E-03	90-150	0.1367E-03
15-30.00	0.1843E-01	-7.5 TO 52.5	0.2873E-04	82.5-142.5	0.2752E-04	15	0- 60	0.1282E-03	90-150	0.1245E-03
30-45.00	0.2931E-01	-7.5 TO 52.5	0.2097E-04	82.5-142.5	0.1958E-04	30	0- 60	0.1017E-03	90-150	0.9596E-04
45-60.00	0.3820E-01	-7.5 TO 52.5	0.1235E-04	82.5-142.5	0.1121E-04	45	0- 60	0.6701E-04	90-150	0.6150E-04
60-75.00	0.4445E-01	-7.5 TO 52.5	0.4616E-05	82.5-142.5	0.3913E-05	60	0- 60	0.3322E-04	90-150	0.2931E-04
75-83.11	0.2561E-01	-7.5 TO 52.5	0.2623E-06	82.5-142.5	0.9163E-07	75	0- 60	0.5086E-05	90-150	0.3085E-05
0-15.00	0.7857E-02	-7.5 TO 67.5	0.3320E-04	82.5-157.5	0.3257E-04	0	0- 75	0.1709E-03	90-165	0.1709E-03
15-30.00	0.2303E-01	-7.5 TO 67.5	0.2866E-04	82.5-157.5	0.2742E-04	15	0- 75	0.1600E-03	90-165	0.1552E-03
30-45.00	0.3664E-01	-7.5 TO 67.5	0.2088E-04	82.5-157.5	0.1947E-04	30	0- 75	0.1267E-03	90-165	0.1195E-03
45-60.00	0.4775E-01	-7.5 TO 67.5	0.1228E-04	82.5-157.5	0.1113E-04	45	0- 75	0.8328E-04	90-165	0.7643E-04
60-75.00	0.5561E-01	-7.5 TO 67.5	0.4571E-05	82.5-157.5	0.3860E-05	60	0- 75	0.4118E-04	90-165	0.3632E-04
75-83.11	0.3201E-01	-7.5 TO 67.5	0.2509E-06	82.5-157.5	0.8411E-07	75	0- 75	0.6179E-05	90-165	0.3700E-05
0-15.00	0.9426E-02	-7.5 TO 82.5	0.3316E-04	82.5-172.5	0.3253E-04	0	0- 90	0.2050E-03	90-180	0.2050E-03
15-30.00	0.2764E-01	-7.5 TO 82.5	0.2857E-04	82.5-172.5	0.2734E-04	15	0- 90	0.1915E-03	90-180	0.1860E-03
30-45.00	0.4397E-01	-7.5 TO 82.5	0.2078E-04	82.5-172.5	0.1939E-04	30	0- 90	0.1513E-03	90-180	0.1429E-03
45-60.00	0.5730E-01	-7.5 TO 82.5	0.1219E-04	82.5-172.5	0.1105E-04	45	0- 90	0.9929E-04	90-180	0.9129E-04
60-75.00	0.6673E-01	-7.5 TO 82.5	0.4518E-05	82.5-172.5	0.3817E-05	60	0- 90	0.4895E-04	90-180	0.4328E-04
75-83.11	0.3841E-01	-7.5 TO 82.5	0.2375E-06	82.5-172.5	0.7852E-07	75	0- 90	0.7174E-05	90-180	0.4292E-05
0-15.00	0.1100E-01	-7.5 TO 97.5	0.3311E-04	82.5-187.5	0.3249E-04	0	0-105	0.2392E-03	90-195	0.2392E-03
15-30.00	0.3225E-01	-7.5 TO 97.5	0.2847E-04	82.5-187.5	0.2728E-04	15	0-105	0.2229E-03	90-195	0.2167E-03
30-45.00	0.5130E-01	-7.5 TO 97.5	0.2066E-04	82.5-187.5	0.1932E-04	30	0-105	0.1757E-03	90-195	0.1664E-03
45-60.00	0.6686E-01	-7.5 TO 97.5	0.1210E-04	82.5-187.5	0.1100E-04	45	0-105	0.1150E-03	90-195	0.1061E-03
60-75.00	0.7765E-01	-7.5 TO 97.5	0.4460E-05	82.5-187.5	0.3783E-05	60	0-105	0.5652E-04	90-195	0.5025E-04
75-83.11	0.4481E-01	-7.5 TO 97.5	0.2228E-06	82.5-187.5	0.7438E-07	75	0-105	0.8070E-05	90-195	0.4884E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

r_2/r_1 = 0.40 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5840 $\cosh \mu_2$ = 6.0400 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 144.86

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1571E-02	-7.5 TO 7.5	0.1232E-03	82.5- 97.5	0.1195E-03	0	0- 15	0.1245E-03	90-105	0.1245E-03
15-30.00	0.4667E-02	-7.5 TO 7.5	0.1088E-03	82.5- 97.5	0.1016E-03	15	0- 15	0.1199E-03	90-105	0.1140E-03
30-45.00	0.7329E-02	-7.5 TO 7.5	0.8124E-04	82.5- 97.5	0.7298E-04	30	0- 15	0.9758E-04	90-105	0.8841E-04
45-60.00	0.9551E-02	-7.5 TO 7.5	0.4910E-04	82.5- 97.5	0.4224E-04	45	0- 15	0.6589E-04	90-105	0.5704E-04
60-75.00	0.1112E-01	-7.5 TO 7.5	0.1940E-04	82.5- 97.5	0.1512E-04	60	0- 15	0.3379E-04	90-105	0.2745E-04
75-83.11	0.1242E-02	-7.5 TO 7.5	0.1698E-05	82.5- 97.5	0.5227E-06	75	0- 15	0.6466E-05	90-105	0.3194E-05
0-15.00	0.3143E-02	-7.5 TO 22.5	0.1231E-03	82.5-112.5	0.1190E-03	0	0- 30	0.2490E-03	90-120	0.2490E-03
15-30.00	0.9214E-02	-7.5 TO 22.5	0.1087E-03	82.5-112.5	0.1007E-03	15	0- 30	0.2395E-03	90-120	0.2266E-03
30-45.00	0.1466E-01	-7.5 TO 22.5	0.8110E-04	82.5-112.5	0.7196E-04	30	0- 30	0.1946E-03	90-120	0.1749E-03
45-60.00	0.1910E-01	-7.5 TO 22.5	0.4897E-04	82.5-112.5	0.4141E-04	45	0- 30	0.1312E-03	90-120	0.1122E-03
60-75.00	0.2224E-01	-7.5 TO 22.5	0.1932E-04	82.5-112.5	0.1462E-04	60	0- 30	0.6717E-04	90-120	0.5361E-04
75-83.11	0.1280E-01	-7.5 TO 22.5	0.1672E-05	82.5-112.5	0.4101E-06	75	0- 30	0.1271E-04	90-120	0.5753E-05
0-15.00	0.4714E-02	-7.5 TO 37.5	0.1230E-03	82.5-127.5	0.1186E-03	0	0- 45	0.3734E-03	90-135	0.3734E-03
15-30.00	0.1382E-01	-7.5 TO 37.5	0.1084E-03	82.5-127.5	0.9989E-04	15	0- 45	0.3584E-03	90-135	0.3381E-03
30-45.00	0.2199E-01	-7.5 TO 37.5	0.8076E-04	82.5-127.5	0.7100E-04	30	0- 45	0.2905E-03	90-135	0.2596E-03
45-60.00	0.2865E-01	-7.5 TO 37.5	0.4869E-04	82.5-127.5	0.4064E-04	45	0- 45	0.1955E-03	90-135	0.1658E-03
60-75.00	0.3337E-01	-7.5 TO 37.5	0.1914E-04	82.5-127.5	0.1415E-04	60	0- 45	0.9577E-04	90-135	0.7864E-04
75-83.11	0.1921E-01	-7.5 TO 37.5	0.1615E-05	82.5-127.5	0.3380E-06	75	0- 45	0.1855E-04	90-135	0.7772E-05
0-15.00	0.6285E-02	-7.5 TO 52.5	0.1227E-03	82.5-142.5	0.1182E-03	0	0- 60	0.4979E-03	90-150	0.4979E-03
15-30.00	0.1843E-01	-7.5 TO 52.5	0.1080E-03	82.5-142.5	0.9911E-04	15	0- 60	0.4763E-03	90-150	0.4487E-03
30-45.00	0.2931E-01	-7.5 TO 52.5	0.8026E-04	82.5-142.5	0.7013E-04	30	0- 60	0.3849E-03	90-150	0.3429E-03
45-60.00	0.3820E-01	-7.5 TO 52.5	0.4827E-04	82.5-142.5	0.3994E-04	45	0- 60	0.2583E-03	90-150	0.2180E-03
60-75.00	0.4445E-01	-7.5 TO 52.5	0.1887E-04	82.5-142.5	0.1374E-04	60	0- 60	0.1313E-03	90-150	0.1028E-03
75-83.11	0.2561E-01	-7.5 TO 52.5	0.1531E-05	82.5-142.5	0.2907E-06	75	0- 60	0.2381E-04	90-150	0.9370E-05
0-15.00	0.7857E-02	-7.5 TO 67.5	0.1225E-03	82.5-157.5	0.1178E-03	0	0- 75	0.6224E-03	90-165	0.6224E-03
15-30.00	0.2303E-01	-7.5 TO 67.5	0.1074E-03	82.5-157.5	0.9863E-04	15	0- 75	0.5929E-03	90-165	0.5585E-03
30-45.00	0.3664E-01	-7.5 TO 67.5	0.7961E-04	82.5-157.5	0.6937E-04	30	0- 75	0.4774E-03	90-165	0.4252E-03
45-60.00	0.4775E-01	-7.5 TO 67.5	0.4773E-04	82.5-157.5	0.3933E-04	45	0- 75	0.3192E-03	90-165	0.2694E-03
60-75.00	0.5561E-01	-7.5 TO 67.5	0.1853E-04	82.5-157.5	0.1337E-04	60	0- 75	0.1615E-03	90-165	0.1263E-03
75-83.11	0.3201E-01	-7.5 TO 67.5	0.1482E-05	82.5-157.5	0.2562E-06	75	0- 75	0.2841E-04	90-165	0.1068E-04
0-15.00	0.9428E-02	-7.5 TO 82.5	0.1221E-03	82.5-172.5	0.1175E-03	0	0- 90	0.7469E-03	90-180	0.7469E-03
15-30.00	0.2764E-01	-7.5 TO 82.5	0.1067E-03	82.5-172.5	0.9787E-04	15	0- 90	0.7083E-03	90-180	0.6681E-03
30-45.00	0.4397E-01	-7.5 TO 82.5	0.7885E-04	82.5-172.5	0.6875E-04	30	0- 90	0.5679E-03	90-180	0.5070E-03
45-60.00	0.5730E-01	-7.5 TO 82.5	0.4710E-04	82.5-172.5	0.3883E-04	45	0- 90	0.3782E-03	90-180	0.3202E-03
60-75.00	0.6673E-01	-7.5 TO 82.5	0.1814E-04	82.5-172.5	0.1308E-04	60	0- 90	0.1904E-03	90-180	0.1495E-03
75-83.11	0.3841E-01	-7.5 TO 82.5	0.1324E-05	82.5-172.5	0.2303E-06	75	0- 90	0.3230E-04	90-180	0.1185E-04
0-15.00	0.1100E-01	-7.5 TO 97.5	0.1218E-03	82.5-187.5	0.1173E-03	0	0-105	0.8714E-03	90-195	0.8714E-03
15-30.00	0.3225E-01	-7.5 TO 97.5	0.1060E-03	82.5-187.5	0.9744E-04	15	0-105	0.8222E-03	90-195	0.7776E-03
30-45.00	0.5130E-01	-7.5 TO 97.5	0.7801E-04	82.5-187.5	0.6826E-04	30	0-105	0.6563E-03	90-195	0.5889E-03
45-60.00	0.6668E-01	-7.5 TO 97.5	0.4640E-04	82.5-187.5	0.3844E-04	45	0-105	0.4353E-03	90-195	0.3711E-03
60-75.00	0.7765E-01	-7.5 TO 97.5	0.1771E-04	82.5-187.5	0.1285E-04	60	0-105	0.2178E-03	90-195	0.1727E-03
75-83.11	0.4481E-01	-7.5 TO 97.5	0.1209E-05	82.5-187.5	0.2109E-06	75	0-105	0.3550E-04	90-195	0.1302E-04

r_2/r_1 = 0.40 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5840 $\cosh \mu_2$ = 6.0400 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 127.83

0-15.00	0.1571E-02	-7.5 TO 7.5	0.2410E-03	82.5- 97.5	0.2304E-03	0	0- 15	0.2399E-03	90-105	0.2399E-03
15-30.00	0.4667E-02	-7.5 TO 7.5	0.2170E-03	82.5- 97.5	0.1961E-03	15	0- 15	0.2364E-03	90-105	0.2191E-03
30-45.00	0.7329E-02	-7.5 TO 7.5	0.1654E-03	82.5- 97.5	0.1412E-03	30	0- 15	0.1966E-03	90-105	0.1698E-03
45-60.00	0.9551E-02	-7.5 TO 7.5	0.1021E-03	82.5- 97.5	0.8198E-04	45	0- 15	0.1355E-03	90-105	0.1096E-03
60-75.00	0.1112E-01	-7.5 TO 7.5	0.4209E-04	82.5- 97.5	0.2954E-04	60	0- 15	0.7136E-04	90-105	0.5280E-04
75-83.11	0.1242E-02	-7.5 TO 7.5	0.4776E-05	82.5- 97.5	0.1102E-05	75	0- 15	0.1560E-04	90-105	0.6140E-05
0-15.00	0.3143E-02	-7.5 TO 22.5	0.2408E-03	82.5-112.5	0.2290E-03	0	0- 30	0.4797E-03	90-120	0.4797E-03
15-30.00	0.9214E-02	-7.5 TO 22.5	0.2167E-03	82.5-112.5	0.1936E-03	15	0- 30	0.4717E-03	90-120	0.4344E-03
30-45.00	0.1466E-01	-7.5 TO 22.5	0.1650E-03	82.5-112.5	0.1383E-03	30	0- 30	0.3914E-03	90-120	0.3340E-03
45-60.00	0.1910E-01	-7.5 TO 22.5	0.1018E-03	82.5-112.5	0.7963E-04	45	0- 30	0.2694E-03	90-120	0.2139E-03
60-75.00	0.2224E-01	-7.5 TO 22.5	0.4185E-04	82.5-112.5	0.2815E-04	60	0- 30	0.1415E-03	90-120	0.1020E-03
75-83.11	0.1280E-01	-7.5 TO 22.5	0.4692E-05	82.5-112.5	0.8164E-06	75	0- 30	0.3053E-04	90-120	0.1058E-04
0-15.00	0.4714E-02	-7.5 TO 37.5	0.2404E-03	82.5-127.5	0.2277E-03	0	0- 45	0.7196E-03	90-135	0.7196E-03
15-30.00	0.1382E-01	-7.5 TO 37.5	0.2158E-03	82.5-127.5	0.1911E-03	15	0- 45	0.7050E-03	90-135	0.6464E-03
30-45.00	0.2199E-01	-7.5 TO 37.5	0.1640E-03	82.5-127.5	0.1355E-03	30	0- 45	0.5830E-03	90-135	0.4933E-03
45-60.00	0.2865E-01	-7.5 TO 37.5	0.1009E-03	82.5-127.5	0.7744E-04	45	0- 45	0.4001E-03	90-135	0.3136E-03
60-75.00	0.3337E-01	-7.5 TO 37.5	0.4131E-04	82.5-127.5	0.2698E-04	60	0- 45	0.2093E-03	90-135	0.1480E-03
75-83.11	0.1921E-01	-7.5 TO 37.5	0.4507E-05	82.5-127.5	0.6470E-06	75	0- 45	0.4423E-04	90-135	0.1361E-04
0-15.00	0.6285E-02	-7.5 TO 52.5	0.2397E-03	82.5-142.5	0.2266E-03	0	0- 60	0.9594E-03	90-150	0.9594E-03
15-30.00	0.1843E-01	-7.5 TO 52.5	0.2146E-03	82.5-142.5	0.1889E-03	15	0- 60	0.9354E-03	90-150	0.8557E-03
30-45.00	0.2931E-01	-7.5 TO 52.5	0.1625E-03	82.5-142.5	0.1331E-03	30	0- 60	0.7702E-03	90-150	0.6486E-03
45-60.00	0.3820E-01	-7.5 TO 52.5	0.9968E-04	82.5-142.5	0.7548E-04	45	0- 60	0.5263E-03	90-150	0.4097E-03
60-75.00	0.4445E-01	-7.5 TO 52.5	0.4051E-04	82.5-142.5	0.2573E-04	60	0- 60	0.2739E-03	90-150	0.1917E-03
75-83.11	0.2561E-01	-7.5 TO 52.5	0.4238E-05	82.5-142.5	0.5358E-06	75	0- 60	0.5624E-04	90-150	0.1558E-04
0-15.00	0.7857E-02	-7.5 TO 67.5	0.2389E-03	82.5-157.5	0.2255E-03	0	0- 75	0.1199E-02	90-165	0.1199E-02
15-30.00	0.2303E-01	-7.5 TO 67.5	0.2129E-03	82.5-157.5	0.1870E-03	15	0- 75	0.1162E-02	90-165	0.1063E-02
30-45.00	0.3664E-01	-7.5 TO 67.5	0.1606E-03	82.5-157.5	0.1309E-03	30	0- 75	0.9519E-03	90-165	0.8012E-03
45-60.00	0.4775E-01	-7.5 TO 67.5	0.9808E-04	82.5-157.5	0.7379E-04	45	0- 75	0.6473E-03	90-165	0.5033E-03
60-75.00	0.5561E-01	-7.5 TO 67.5	0.3950E-04	82.5-157.5	0.2476E-04	60	0- 75	0.3347E-03	90-165	0.2336E-03
75-83.11	0.3201E-01	-7.5 TO 67.5	0.3911E-05	82.5-157.5	0.4555E-06	75	0- 75	0.6631E-04	90-165	0.1698E-04
0-15.00	0.9428E-02	-7.5 TO 82.5	0.2379E-03	82.5-172.5	0.2247E-03	0	0- 90	0.1439E-02	90-180	0.1439E-02
15-30.00	0.2764E-01	-7.5 TO 82.5	0.2110E-03	82.5-172.5	0.1854E-03	15	0- 90	0.1385E-02	90-180	0.1270E-02
30-45.00	0.4397E-01	-7.5 TO 82.5	0.1583E-03	82.5-172.5	0.1292E-03	30	0- 90	0.1128E-02	90-180	0.9523E-03
45-60.00	0.5730E-01	-7.5 TO 82.5	0.9621E-04	82.5-172.5	0.7239E-04	45	0- 90	0.7625E-03	90-180	0.5956E-03
60-75.00	0.6673E-01	-7.5 TO 82.5	0.3834E-04	82.5-172.5	0.2397E-04	60	0- 90	0.3914E-03	90-180	0.2747E-03
75-83.11	0.3841E-01	-7.5 TO 82.5	0.3963E-05	82.5-172.5	0.3968E-06	75	0- 90	0.7437E-04	90-180	0.1816E-04
0-15.00	0.1100E-01	-7.5 TO 97.5	0.2368E-03	82.5-187.5	0.2240E-03	0	0-105	0.1679E-02	90-195	0.1679E-02
15-30.00	0.3225E-01	-7.5 TO 97.5	0.2089E-03	82.5-187.5	0.1842E-03	15	0-105	0.1604E-02	90-195	0.1476E-02
30-45.00	0.5130E-01	-7.5 TO 97.5	0.1559E-03	82.5-187.5	0.1278E-03	30	0-105	0.1297E-02	90-195	0.1103E-02
45-60.00	0.6668E-01	-7.5 TO 97.5	0.9418E-04	82.5-187.5	0.7132E-04	45	0-105	0.8721E-03	90-195	0.6879E-03
60-75.00	0.7765E-01	-7.5 TO 97.5	0.3708E-04	82.5-187.5	0.2336E-04	60	0-105	0.4442E-03	90-195	0.3159E-03
75-83.11	0.4481E-01	-7.5 TO 97.5	0.3212E-05	82.5-187.5	0.3538E-06	75	0-105	0.8051E-04	90-195	0.1934E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

r_2/r_1 = 0.40 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5840 $\cosh \mu_2$ = 6.0400 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 111.38

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1571E-02	-7.5 TO 7.5	0.3504E-03	82.5- 97.5	0.3299E-03	0	0- 15	0.3434E-03	90-105	0.3434E-03
15-30.00	0.4667E-02	-7.5 TO 7.5	0.3218E-03	82.5- 97.5	0.2813E-03	15	0- 15	0.3464E-03	90-105	0.3130E-03
30-45.00	0.7329E-02	-7.5 TO 7.5	0.2502E-03	82.5- 97.5	0.2030E-03	30	0- 15	0.2943E-03	90-105	0.2424E-03
45-60.00	0.9551E-02	-7.5 TO 7.5	0.1576E-03	82.5- 97.5	0.1184E-03	45	0- 15	0.2070E-03	90-105	0.1566E-03
60-75.00	0.1112E-01	-7.5 TO 7.5	0.6714E-04	82.5- 97.5	0.4498E-04	60	0- 15	0.1115E-03	90-105	0.7560E-04
75-83.11	0.1640E-02	-7.5 TO 7.5	0.9237E-05	82.5- 97.5	0.1729E-05	75	0- 15	0.2669E-04	90-105	0.8889E-05
0-15.00	0.3143E-02	-7.5 TO 22.5	0.3500E-03	82.5-112.5	0.3274E-03	0	0- 30	0.6868E-03	90-120	0.6868E-03
15-30.00	0.9214E-02	-7.5 TO 22.5	0.3211E-03	82.5-112.5	0.2764E-03	15	0- 30	0.6907E-03	90-120	0.6187E-03
30-45.00	0.1466E-01	-7.5 TO 22.5	0.2494E-03	82.5-112.5	0.1975E-03	30	0- 30	0.5853E-03	90-120	0.4741E-03
45-60.00	0.1910E-01	-7.5 TO 22.5	0.1569E-03	82.5-112.5	0.1139E-03	45	0- 30	0.4107E-03	90-120	0.3031E-03
60-75.00	0.2224E-01	-7.5 TO 22.5	0.6666E-04	82.5-112.5	0.4041E-04	60	0- 30	0.2206E-03	90-120	0.1444E-03
75-83.11	0.1280E-01	-7.5 TO 22.5	0.9037E-05	82.5-112.5	0.1238E-05	75	0- 30	0.5208E-04	90-120	0.1482E-04
0-15.00	0.4714E-02	-7.5 TO 37.5	0.3492E-03	82.5-127.5	0.3249E-03	0	0- 45	0.1030E-02	90-135	0.1030E-02
15-30.00	0.1382E-01	-7.5 TO 37.5	0.3195E-03	82.5-127.5	0.2718E-03	15	0- 45	0.1031E-02	90-135	0.9181E-03
30-45.00	0.2199E-01	-7.5 TO 37.5	0.2474E-03	82.5-127.5	0.1923E-03	30	0- 45	0.8699E-03	90-135	0.6965E-03
45-60.00	0.2865E-01	-7.5 TO 37.5	0.1552E-03	82.5-127.5	0.1098E-03	45	0- 45	0.6081E-03	90-135	0.4411E-03
60-75.00	0.3337E-01	-7.5 TO 37.5	0.6560E-04	82.5-127.5	0.3809E-04	60	0- 45	0.3251E-03	90-135	0.2076E-03
75-83.11	0.1921E-01	-7.5 TO 37.5	0.8605E-05	82.5-127.5	0.9549E-06	75	0- 45	0.7505E-04	90-135	0.1841E-04
0-15.00	0.6285E-02	-7.5 TO 52.5	0.3480E-03	82.5-142.5	0.3227E-03	0	0- 60	0.1374E-02	90-150	0.1374E-02
15-30.00	0.1843E-01	-7.5 TO 52.5	0.3170E-03	82.5-142.5	0.2675E-03	15	0- 60	0.1366E-02	90-150	0.1212E-02
30-45.00	0.2931E-01	-7.5 TO 52.5	0.2445E-03	82.5-142.5	0.1876E-03	30	0- 60	0.1146E-02	90-150	0.9114E-03
45-60.00	0.3820E-01	-7.5 TO 52.5	0.1527E-03	82.5-142.5	0.1062E-03	45	0- 60	0.7968E-03	90-150	0.5723E-03
60-75.00	0.4449E-01	-7.5 TO 52.5	0.6403E-04	82.5-142.5	0.3802E-04	60	0- 60	0.4232E-03	90-150	0.2664E-03
75-83.11	0.2561E-01	-7.5 TO 52.5	0.8618E-05	82.5-142.5	0.7714E-06	75	0- 60	0.9477E-04	90-150	0.2041E-04
0-15.00	0.7857E-02	-7.5 TO 67.5	0.3434E-03	82.5-157.5	0.3207E-03	0	0- 75	0.1717E-02	90-165	0.1717E-02
15-30.00	0.2303E-01	-7.5 TO 67.5	0.3138E-03	82.5-157.5	0.2639E-03	15	0- 75	0.1694E-02	90-165	0.1503E-02
30-45.00	0.3664E-01	-7.5 TO 67.5	0.2407E-03	82.5-157.5	0.1836E-03	30	0- 75	0.1411E-02	90-165	0.1121E-02
45-60.00	0.4775E-01	-7.5 TO 67.5	0.1496E-03	82.5-157.5	0.1030E-03	45	0- 75	0.9752E-03	90-165	0.6989E-03
60-75.00	0.5561E-01	-7.5 TO 67.5	0.6206E-04	82.5-157.5	0.3434E-04	60	0- 75	0.5140E-03	90-165	0.3222E-03
75-83.11	0.3201E-01	-7.5 TO 67.5	0.7337E-05	82.5-157.5	0.6440E-06	75	0- 75	0.1108E-03	90-165	0.2180E-04
0-15.00	0.9428E-02	-7.5 TO 82.5	0.3445E-03	82.5-172.5	0.3191E-03	0	0- 90	0.2060E-02	90-180	0.2060E-02
15-30.00	0.2764E-01	-7.5 TO 82.5	0.3101E-03	82.5-172.5	0.2608E-03	15	0- 90	0.2014E-02	90-180	0.1792E-02
30-45.00	0.4397E-01	-7.5 TO 82.5	0.2364E-03	82.5-172.5	0.1803E-03	30	0- 90	0.1665E-02	90-180	0.1328E-02
45-60.00	0.5730E-01	-7.5 TO 82.5	0.1460E-03	82.5-172.5	0.1004E-03	45	0- 90	0.1143E-02	90-180	0.8231E-03
60-75.00	0.6673E-01	-7.5 TO 82.5	0.5981E-04	82.5-172.5	0.3295E-04	60	0- 90	0.5971E-03	90-180	0.3705E-03
75-83.11	0.3841E-01	-7.5 TO 82.5	0.6623E-05	82.5-172.5	0.5540E-06	75	0- 90	0.1232E-03	90-180	0.2299E-04
0-15.00	0.1100E-01	-7.5 TO 97.5	0.3424E-03	82.5-187.5	0.3179E-03	0	0-105	0.2404E-02	90-195	0.2404E-02
15-30.00	0.3229E-01	-7.5 TO 97.5	0.3060E-03	82.5-187.5	0.2585E-03	15	0-105	0.2327E-02	90-195	0.2081E-02
30-45.00	0.5130E-01	-7.5 TO 97.5	0.2316E-03	82.5-187.5	0.1777E-03	30	0-105	0.1907E-02	90-195	0.1535E-02
45-60.00	0.6684E-01	-7.5 TO 97.5	0.1420E-03	82.5-187.5	0.9866E-04	45	0-105	0.1299E-02	90-195	0.9473E-03
60-75.00	0.7785E-01	-7.5 TO 97.5	0.5740E-04	82.5-187.5	0.3189E-04	60	0-105	0.6727E-03	90-195	0.4308E-03
75-83.11	0.4481E-01	-7.5 TO 97.5	0.5924E-05	82.5-187.5	0.4885E-06	75	0-105	0.1321E-03	90-195	0.2417E-04

r_2/r_1 = 0.40 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5840 $\cosh \mu_2$ = 6.0400 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 95.59

0-15.00	0.1571E-02	-7.5 TO 7.5	0.4211E-03	82.5- 97.5	0.3899E-03	0	0- 15	0.4057E-03	90-105	0.4057E-03
15-30.00	0.4667E-02	-7.5 TO 7.5	0.3948E-03	82.5- 97.5	0.3329E-03	15	0- 15	0.4196E-03	90-105	0.3687E-03
30-45.00	0.7329E-02	-7.5 TO 7.5	0.3131E-03	82.5- 97.5	0.2409E-03	30	0- 15	0.3646E-03	90-105	0.2853E-03
45-60.00	0.9551E-02	-7.5 TO 7.5	0.2008E-03	82.5- 97.5	0.1409E-03	45	0- 15	0.2614E-03	90-105	0.1844E-03
60-75.00	0.1112E-01	-7.5 TO 7.5	0.8764E-04	82.5- 97.5	0.5151E-04	60	0- 15	0.1435E-03	90-105	0.8922E-04
75-83.11	0.1640E-02	-7.5 TO 7.5	0.1362E-04	82.5- 97.5	0.2193E-05	75	0- 15	0.3637E-04	90-105	0.1064E-04
0-15.00	0.3143E-02	-7.5 TO 22.5	0.4205E-03	82.5-112.5	0.3860E-03	0	0- 30	0.8114E-03	90-120	0.8114E-03
15-30.00	0.9214E-02	-7.5 TO 22.5	0.3937E-03	82.5-112.5	0.3259E-03	15	0- 30	0.8361E-03	90-120	0.7266E-03
30-45.00	0.1466E-01	-7.5 TO 22.5	0.3118E-03	82.5-112.5	0.2325E-03	30	0- 30	0.7240E-03	90-120	0.5545E-03
45-60.00	0.1910E-01	-7.5 TO 22.5	0.1997E-03	82.5-112.5	0.1343E-03	45	0- 30	0.5177E-03	90-120	0.3538E-03
60-75.00	0.2224E-01	-7.5 TO 22.5	0.8692E-04	82.5-112.5	0.4785E-04	60	0- 30	0.2833E-03	90-120	0.1686E-03
75-83.11	0.1280E-01	-7.5 TO 22.5	0.1330E-04	82.5-112.5	0.1540E-05	75	0- 30	0.7077E-04	90-120	0.1739E-04
0-15.00	0.4714E-02	-7.5 TO 37.5	0.4193E-03	82.5-127.5	0.3823E-03	0	0- 45	0.1217E-02	90-135	0.1217E-02
15-30.00	0.1382E-01	-7.5 TO 37.5	0.3912E-03	82.5-127.5	0.3185E-03	15	0- 45	0.1246E-02	90-135	0.1075E-02
30-45.00	0.2199E-01	-7.5 TO 37.5	0.3087E-03	82.5-127.5	0.2247E-03	30	0- 45	0.1074E-02	90-135	0.8096E-03
45-60.00	0.2865E-01	-7.5 TO 37.5	0.1971E-03	82.5-127.5	0.1283E-03	45	0- 45	0.7642E-03	90-135	0.5195E-03
60-75.00	0.3337E-01	-7.5 TO 37.5	0.8529E-04	82.5-127.5	0.4458E-04	60	0- 45	0.4159E-03	90-135	0.2398E-03
75-83.11	0.1921E-01	-7.5 TO 37.5	0.1261E-04	82.5-127.5	0.1169E-05	75	0- 45	0.1015E-03	90-135	0.2119E-04
0-15.00	0.6285E-02	-7.5 TO 52.5	0.4174E-03	82.5-142.5	0.3789E-03	0	0- 60	0.1623E-02	90-150	0.1623E-02
15-30.00	0.1843E-01	-7.5 TO 52.5	0.3874E-03	82.5-142.5	0.3121E-03	15	0- 60	0.1648E-02	90-150	0.1415E-02
30-45.00	0.2931E-01	-7.5 TO 52.5	0.3042E-03	82.5-142.5	0.2178E-03	30	0- 60	0.1410E-02	90-150	0.1054E-02
45-60.00	0.3820E-01	-7.5 TO 52.5	0.1933E-03	82.5-142.5	0.1229E-03	45	0- 60	0.9973E-03	90-150	0.6572E-03
60-75.00	0.4449E-01	-7.5 TO 52.5	0.8290E-04	82.5-142.5	0.4175E-04	60	0- 60	0.5389E-03	90-150	0.3048E-03
75-83.11	0.2561E-01	-7.5 TO 52.5	0.1167E-04	82.5-142.5	0.9336E-06	75	0- 60	0.1275E-03	90-150	0.2320E-04
0-15.00	0.7857E-02	-7.5 TO 67.5	0.4150E-03	82.5-157.5	0.3760E-03	0	0- 75	0.2028E-02	90-165	0.2028E-02
15-30.00	0.2303E-01	-7.5 TO 67.5	0.3825E-03	82.5-157.5	0.3066E-03	15	0- 75	0.2040E-02	90-165	0.1751E-02
30-45.00	0.3664E-01	-7.5 TO 67.5	0.2985E-03	82.5-157.5	0.2118E-03	30	0- 75	0.1730E-02	90-165	0.1290E-02
45-60.00	0.4775E-01	-7.5 TO 67.5	0.1884E-03	82.5-157.5	0.1183E-03	45	0- 75	0.1215E-02	90-165	0.7972E-03
60-75.00	0.5561E-01	-7.5 TO 67.5	0.7991E-04	82.5-157.5	0.3940E-04	60	0- 75	0.6507E-03	90-165	0.3657E-03
75-83.11	0.3201E-01	-7.5 TO 67.5	0.1060E-04	82.5-157.5	0.7737E-06	75	0- 75	0.1481E-03	90-165	0.2459E-04
0-15.00	0.9428E-02	-7.5 TO 82.5	0.4121E-03	82.5-172.5	0.3736E-03	0	0- 90	0.2434E-02	90-180	0.2434E-02
15-30.00	0.2764E-01	-7.5 TO 82.5	0.3708E-03	82.5-172.5	0.3021E-03	15	0- 90	0.2420E-02	90-180	0.2083E-02
30-45.00	0.4397E-01	-7.5 TO 82.5	0.2918E-03	82.5-172.5	0.2068E-03	30	0- 90	0.2033E-02	90-180	0.1522E-02
45-60.00	0.5730E-01	-7.5 TO 82.5	0.1829E-03	82.5-172.5	0.1146E-03	45	0- 90	0.1415E-02	90-180	0.9337E-03
60-75.00	0.6673E-01	-7.5 TO 82.5	0.7693E-04	82.5-172.5	0.3750E-04	60	0- 90	0.7510E-03	90-180	0.4246E-03
75-83.11	0.3841E-01	-7.5 TO 82.5	0.9310E-05	82.5-172.5	0.6621E-06	75	0- 90	0.1635E-03	90-180	0.2578E-04
0-15.00	0.1100E-01	-7.5 TO 97.5	0.4089E-03	82.5-187.5	0.3717E-03	0	0-105	0.2840E-02	90-195	0.2840E-02
15-30.00	0.3229E-01	-7.5 TO 97.5	0.3705E-03	82.5-187.5	0.2986E-03	15	0-105	0.2789E-02	90-195	0.2415E-02
30-45.00	0.5130E-01	-7.5 TO 97.5	0.2845E-03	82.5-187.5	0.2030E-03	30	0-105	0.2318E-02	90-195	0.1755E-02
45-60.00	0.6684E-01	-7.5 TO 97.5	0.1769E-03	82.5-187.5	0.1117E-03	45	0-105	0.1600E-02	90-195	0.1070E-02
60-75.00	0.7785E-01	-7.5 TO 97.5	0.7296E-04	82.5-187.5	0.3606E-04	60	0-105	0.8402E-03	90-195	0.4834E-03
75-83.11	0.4481E-01	-7.5 TO 97.5	0.8465E-05	82.5-187.5	0.5811E-06	75	0-105	0.1741E-03	90-195	0.2696E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

r_2/r_1 = 0.40 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5840 $\cosh \mu_2$ = 6.0400 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 80.47

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1571E-02	-7.5 TO 7.5	0.4386E-03	82.5- 97.5	0.4005E-03	0	0- 15	0.4167E-03	90-105	0.4167E-03
15-30.00	0.4607E-02	-7.5 TO 7.5	0.4199E-03	82.5- 97.5	0.3423E-03	15	0- 15	0.4404E-03	90-105	0.3779E-03
30-45.00	0.7325E-02	-7.5 TO 7.5	0.3400E-03	82.5- 97.5	0.2479E-03	30	0- 15	0.3918E-03	90-105	0.2921E-03
45-60.00	0.9551E-02	-7.5 TO 7.5	0.2217E-03	82.5- 97.5	0.1453E-03	45	0- 15	0.2864E-03	90-105	0.1887E-03
60-75.00	0.1114E-01	-7.5 TO 7.5	0.9833E-04	82.5- 97.5	0.5328E-04	60	0- 15	0.1597E-03	90-105	0.9139E-04
75-83.11	0.1240E-02	-7.5 TO 7.5	0.1617E-04	82.5- 97.5	0.2307E-05	75	0- 15	0.4166E-04	90-105	0.1095E-04
0-15.00	0.3143E-02	-7.5 TO 22.5	0.4380E-03	82.5-112.5	0.3959E-03	0	0- 30	0.8333E-03	90-120	0.8333E-03
15-30.00	0.9214E-02	-7.5 TO 22.5	0.4184E-03	82.5-112.5	0.3334E-03	15	0- 30	0.8768E-03	90-120	0.7431E-03
30-45.00	0.1466E-01	-7.5 TO 22.5	0.3382E-03	82.5-112.5	0.2381E-03	30	0- 30	0.7768E-03	90-120	0.5654E-03
45-60.00	0.1910E-01	-7.5 TO 22.5	0.2202E-03	82.5-112.5	0.1376E-03	45	0- 30	0.5660E-03	90-120	0.3603E-03
60-75.00	0.2224E-01	-7.5 TO 22.5	0.9740E-04	82.5-112.5	0.4913E-04	60	0- 30	0.3144E-03	90-120	0.1717E-03
75-83.11	0.1250E-01	-7.5 TO 22.5	0.1577E-04	82.5-112.5	0.1609E-05	75	0- 30	0.8084E-04	90-120	0.1778E-04
0-15.00	0.4714E-02	-7.5 TO 37.5	0.4364E-03	82.5-127.5	0.3916E-03	0	0- 45	0.1250E-02	90-135	0.1250E-02
15-30.00	0.1382E-01	-7.5 TO 37.5	0.4151E-03	82.5-127.5	0.3253E-03	15	0- 45	0.1306E-02	90-135	0.1097E-02
30-45.00	0.2199E-01	-7.5 TO 37.5	0.3342E-03	82.5-127.5	0.2292E-03	30	0- 45	0.1149E-02	90-135	0.8230E-03
45-60.00	0.2865E-01	-7.5 TO 37.5	0.2168E-03	82.5-127.5	0.1308E-03	45	0- 45	0.8327E-03	90-135	0.5179E-03
60-75.00	0.3337E-01	-7.5 TO 37.5	0.9530E-04	82.5-127.5	0.4553E-04	60	0- 45	0.4599E-03	90-135	0.2432E-03
75-83.11	0.1921E-01	-7.5 TO 37.5	0.1490E-04	82.5-127.5	0.1216E-05	75	0- 45	0.1155E-03	90-135	0.2159E-04
0-15.00	0.6285E-02	-7.5 TO 52.5	0.4341E-03	82.5-142.5	0.3876E-03	0	0- 60	0.1667E-02	90-150	0.1667E-02
15-30.00	0.1843E-01	-7.5 TO 52.5	0.4102E-03	82.5-142.5	0.3180E-03	15	0- 60	0.1724E-02	90-150	0.1442E-02
30-45.00	0.2931E-01	-7.5 TO 52.5	0.3283E-03	82.5-142.5	0.2214E-03	30	0- 60	0.1504E-02	90-150	0.1068E-02
45-60.00	0.3820E-01	-7.5 TO 52.5	0.2118E-03	82.5-142.5	0.1249E-03	45	0- 60	0.1082E-02	90-150	0.6649E-03
60-75.00	0.4449E-01	-7.5 TO 52.5	0.9223E-04	82.5-142.5	0.4248E-04	60	0- 60	0.5928E-03	90-150	0.3083E-03
75-83.11	0.2561E-01	-7.5 TO 52.5	0.1371E-04	82.5-142.5	0.9687E-06	75	0- 60	0.1442E-03	90-150	0.2360E-04
0-15.00	0.7857E-02	-7.5 TO 67.5	0.4311E-03	82.5-157.5	0.3842E-03	0	0- 75	0.2083E-02	90-165	0.2083E-02
15-30.00	0.2303E-01	-7.5 TO 67.5	0.4040E-03	82.5-157.5	0.3118E-03	15	0- 75	0.2129E-02	90-165	0.1781E-02
30-45.00	0.3664E-01	-7.5 TO 67.5	0.3208E-03	82.5-157.5	0.2148E-03	30	0- 75	0.1838E-02	90-165	0.1306E-02
45-60.00	0.4775E-01	-7.5 TO 67.5	0.2055E-03	82.5-157.5	0.1199E-03	45	0- 75	0.1311E-02	90-165	0.8050E-03
60-75.00	0.5561E-01	-7.5 TO 67.5	0.8843E-04	82.5-157.5	0.3998E-04	60	0- 75	0.7116E-03	90-165	0.3692E-03
75-83.11	0.3201E-01	-7.5 TO 67.5	0.1239E-04	82.5-157.5	0.8019E-06	75	0- 75	0.1665E-03	90-165	0.2499E-04
0-15.00	0.5428E-02	-7.5 TO 82.5	0.4276E-03	82.5-172.5	0.3814E-03	0	0- 90	0.2500E-02	90-180	0.2500E-02
15-30.00	0.2764E-01	-7.5 TO 82.5	0.3988E-03	82.5-172.5	0.3067E-03	15	0- 90	0.2521E-02	90-180	0.2117E-02
30-45.00	0.4397E-01	-7.5 TO 82.5	0.3122E-03	82.5-172.5	0.2094E-03	30	0- 90	0.2151E-02	90-180	0.1539E-02
45-60.00	0.5730E-01	-7.5 TO 82.5	0.1983E-03	82.5-172.5	0.1159E-03	45	0- 90	0.1519E-02	90-180	0.9415E-03
60-75.00	0.6673E-01	-7.5 TO 82.5	0.8418E-04	82.5-172.5	0.3799E-04	60	0- 90	0.8160E-03	90-180	0.4280E-03
75-83.11	0.3841E-01	-7.5 TO 82.5	0.1105E-04	82.5-172.5	0.6855E-06	75	0- 90	0.1827E-03	90-180	0.2617E-04
0-15.00	0.1100E-01	-7.5 TO 97.5	0.4237E-03	82.5-187.5	0.3792E-03	0	0-105	0.2917E-02	90-195	0.2917E-02
15-30.00	0.3225E-01	-7.5 TO 97.5	0.3890E-03	82.5-187.5	0.3028E-03	15	0-105	0.2899E-02	90-195	0.2453E-02
30-45.00	0.5130E-01	-7.5 TO 97.5	0.3030E-03	82.5-187.5	0.2052E-03	30	0-105	0.2443E-02	90-195	0.1772E-02
45-60.00	0.6666E-01	-7.5 TO 97.5	0.1908E-03	82.5-187.5	0.1128E-03	45	0-105	0.1708E-02	90-195	0.1078E-02
60-75.00	0.7785E-01	-7.5 TO 97.5	0.7976E-04	82.5-187.5	0.3648E-04	60	0-105	0.9074E-03	90-195	0.4868E-03
75-83.11	0.4481E-01	-7.5 TO 97.5	0.9803E-05	82.5-187.5	0.6012E-06	75	0-105	0.1936E-03	90-195	0.2736E-04

r_2/r_1 = 0.40 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5840 $\cosh \mu_2$ = 6.0400 $\alpha_{2,max}$ = 96.89 $\theta_{2,min}$ = 73.74

0-15.00	0.1571E-02	-7.5 TO 7.5	0.4386E-03	82.5- 97.5	0.4005E-03	0	0- 15	0.4167E-03	90-105	0.4167E-03
15-30.00	0.4607E-02	-7.5 TO 7.5	0.4199E-03	82.5- 97.5	0.3423E-03	15	0- 15	0.4404E-03	90-105	0.3779E-03
30-45.00	0.7325E-02	-7.5 TO 7.5	0.3407E-03	82.5- 97.5	0.2479E-03	30	0- 15	0.3919E-03	90-105	0.2921E-03
45-60.00	0.9551E-02	-7.5 TO 7.5	0.2231E-03	82.5- 97.5	0.1453E-03	45	0- 15	0.2875E-03	90-105	0.1887E-03
60-75.00	0.1112E-01	-7.5 TO 7.5	0.9935E-04	82.5- 97.5	0.5328E-04	60	0- 15	0.1610E-03	90-105	0.9139E-04
75-83.11	0.6402E-02	-7.5 TO 7.5	0.1645E-04	82.5- 97.5	0.2307E-05	75	0- 15	0.4221E-04	90-105	0.1095E-04
0-15.00	0.3143E-02	-7.5 TO 22.5	0.4380E-03	82.5-112.5	0.3959E-03	0	0- 30	0.8333E-03	90-120	0.8333E-03
15-30.00	0.9214E-02	-7.5 TO 22.5	0.4185E-03	82.5-112.5	0.3334E-03	15	0- 30	0.8768E-03	90-120	0.7431E-03
30-45.00	0.1466E-01	-7.5 TO 22.5	0.3389E-03	82.5-112.5	0.2381E-03	30	0- 30	0.7771E-03	90-120	0.5654E-03
45-60.00	0.1910E-01	-7.5 TO 22.5	0.2215E-03	82.5-112.5	0.1376E-03	45	0- 30	0.5679E-03	90-120	0.3603E-03
60-75.00	0.2224E-01	-7.5 TO 22.5	0.9835E-04	82.5-112.5	0.4913E-04	60	0- 30	0.3167E-03	90-120	0.1717E-03
75-83.11	0.1250E-01	-7.5 TO 22.5	0.1603E-04	82.5-112.5	0.1609E-05	75	0- 30	0.8181E-04	90-120	0.1778E-04
0-15.00	0.4714E-02	-7.5 TO 37.5	0.4364E-03	82.5-127.5	0.3916E-03	0	0- 45	0.1250E-02	90-135	0.1250E-02
15-30.00	0.1382E-01	-7.5 TO 37.5	0.4152E-03	82.5-127.5	0.3253E-03	15	0- 45	0.1306E-02	90-135	0.1097E-02
30-45.00	0.2199E-01	-7.5 TO 37.5	0.3348E-03	82.5-127.5	0.2292E-03	30	0- 45	0.1149E-02	90-135	0.8230E-03
45-60.00	0.2865E-01	-7.5 TO 37.5	0.2179E-03	82.5-127.5	0.1308E-03	45	0- 45	0.8350E-03	90-135	0.5179E-03
60-75.00	0.3337E-01	-7.5 TO 37.5	0.9613E-04	82.5-127.5	0.4553E-04	60	0- 45	0.4627E-03	90-135	0.2432E-03
75-83.11	0.1921E-01	-7.5 TO 37.5	0.1512E-04	82.5-127.5	0.1216E-05	75	0- 45	0.1167E-03	90-135	0.2159E-04
0-15.00	0.6285E-02	-7.5 TO 52.5	0.4341E-03	82.5-142.5	0.3876E-03	0	0- 60	0.1667E-02	90-150	0.1667E-02
15-30.00	0.1843E-01	-7.5 TO 52.5	0.4102E-03	82.5-142.5	0.3180E-03	15	0- 60	0.1724E-02	90-150	0.1442E-02
30-45.00	0.2931E-01	-7.5 TO 52.5	0.3287E-03	82.5-142.5	0.2214E-03	30	0- 60	0.1504E-02	90-150	0.1068E-02
45-60.00	0.3820E-01	-7.5 TO 52.5	0.2127E-03	82.5-142.5	0.1249E-03	45	0- 60	0.1084E-02	90-150	0.6649E-03
60-75.00	0.4449E-01	-7.5 TO 52.5	0.9291E-04	82.5-142.5	0.4248E-04	60	0- 60	0.5958E-03	90-150	0.3083E-03
75-83.11	0.2561E-01	-7.5 TO 52.5	0.1389E-04	82.5-142.5	0.9687E-06	75	0- 60	0.1454E-03	90-150	0.2360E-04
0-15.00	0.7857E-02	-7.5 TO 67.5	0.4311E-03	82.5-157.5	0.3842E-03	0	0- 75	0.2083E-02	90-165	0.2083E-02
15-30.00	0.2303E-01	-7.5 TO 67.5	0.4040E-03	82.5-157.5	0.3118E-03	15	0- 75	0.2129E-02	90-165	0.1781E-02
30-45.00	0.3664E-01	-7.5 TO 67.5	0.3211E-03	82.5-157.5	0.2148E-03	30	0- 75	0.1838E-02	90-165	0.1306E-02
45-60.00	0.4775E-01	-7.5 TO 67.5	0.2062E-03	82.5-157.5	0.1199E-03	45	0- 75	0.1313E-02	90-165	0.8050E-03
60-75.00	0.5561E-01	-7.5 TO 67.5	0.8898E-04	82.5-157.5	0.3998E-04	60	0- 75	0.7145E-03	90-165	0.3692E-03
75-83.11	0.3201E-01	-7.5 TO 67.5	0.1253E-04	82.5-157.5	0.8019E-06	75	0- 75	0.1677E-03	90-165	0.2499E-04
0-15.00	0.5428E-02	-7.5 TO 82.5	0.4276E-03	82.5-172.5	0.3814E-03	0	0- 90	0.2500E-02	90-180	0.2500E-02
15-30.00	0.2764E-01	-7.5 TO 82.5	0.3988E-03	82.5-172.5	0.3067E-03	15	0- 90	0.2521E-02	90-180	0.2117E-02
30-45.00	0.4397E-01	-7.5 TO 82.5	0.3125E-03	82.5-172.5	0.2094E-03	30	0- 90	0.2151E-02	90-180	0.1539E-02
45-60.00	0.5730E-01	-7.5 TO 82.5	0.1989E-03	82.5-172.5	0.1159E-03	45	0- 90	0.1522E-02	90-180	0.9415E-03
60-75.00	0.6673E-01	-7.5 TO 82.5	0.8463E-04	82.5-172.5	0.3799E-04	60	0- 90	0.8190E-03	90-180	0.4280E-03
75-83.11	0.3841E-01	-7.5 TO 82.5	0.1117E-04	82.5-172.5	0.6855E-06	75	0- 90	0.1839E-03	90-180	0.2617E-04
0-15.00	0.1100E-01	-7.5 TO 97.5	0.4237E-03	82.5-187.5	0.3792E-03	0	0-105	0.2917E-02	90-195	0.2917E-02
15-30.00	0.3225E-01	-7.5 TO 97.5	0.3890E-03	82.5-187.5	0.3028E-03	15	0-105	0.2899E-02	90-195	0.2453E-02
30-45.00	0.5130E-01	-7.5 TO 97.5	0.3033E-03	82.5-187.5	0.2052E-03	30	0-105	0.2443E-02	90-195	0.1772E-02
45-60.00	0.6666E-01	-7.5 TO 97.5	0.1913E-03	82.5-187.5	0.1128E-03	45	0-105	0.1710E-02	90-195	0.1078E-02
60-75.00	0.7785E-01	-7.5 TO 97.5	0.8015E-04	82.5-187.5	0.3648E-04	60	0-105	0.9104E-03	90-195	0.4868E-03
75-83.11	0.4481E-01	-7.5 TO 97.5	0.9907E-05	82.5-187.5	0.6012E-06	75	0-105	0.1949E-03	90-195	0.2736E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

r_2/r_1 = 0.40 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5800 $\cosh \mu_2$ = 8.6000 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 163.17

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7642E-03	-7.5 TO 7.5	0.1385E-04	82.5- 97.5	0.1373E-04	0	0- 15	0.1417E-04	90-105	0.1417E-04
15-30.00	0.2240E-02	-7.5 TO 7.5	0.1235E-04	82.5- 97.5	0.1210E-04	15	0- 15	0.1348E-04	90-105	0.1327E-04
30-45.00	0.3564E-02	-7.5 TO 7.5	0.9607E-05	82.5- 97.5	0.9295E-05	30	0- 15	0.1124E-04	90-105	0.1091E-04
45-60.00	0.4649E-02	-7.5 TO 7.5	0.6257E-05	82.5- 97.5	0.5971E-05	45	0- 15	0.8050E-05	90-105	0.7700E-05
60-75.00	0.5405E-02	-7.5 TO 7.5	0.2895E-05	82.5- 97.5	0.2692E-05	60	0- 15	0.4579E-05	90-105	0.4297E-05
75-85.08	0.3882E-02	-7.5 TO 7.5	0.4417E-06	82.5- 97.5	0.3648E-06	75	0- 15	0.1334E-05	90-105	0.1162E-05
0-15.00	0.1528E-02	-7.5 TO 22.5	0.1385E-04	82.5-112.5	0.1371E-04	0	0- 30	0.2833E-04	90-120	0.2833E-04
15-30.00	0.4481E-02	-7.5 TO 22.5	0.1235E-04	82.5-112.5	0.1207E-04	15	0- 30	0.2694E-04	90-120	0.2650E-04
30-45.00	0.7126E-02	-7.5 TO 22.5	0.9601E-05	82.5-112.5	0.9256E-05	30	0- 30	0.2246E-04	90-120	0.2175E-04
45-60.00	0.9298E-02	-7.5 TO 22.5	0.6252E-05	82.5-112.5	0.5935E-05	45	0- 30	0.1608E-04	90-120	0.1532E-04
60-75.00	0.1082E-01	-7.5 TO 22.5	0.2891E-05	82.5-112.5	0.2667E-05	60	0- 30	0.9141E-05	90-120	0.8533E-05
75-85.08	0.7764E-02	-7.5 TO 22.5	0.4404E-06	82.5-112.5	0.3552E-06	75	0- 30	0.2657E-05	90-120	0.2286E-05
0-15.00	0.2293E-02	-7.5 TO 37.5	0.1385E-04	82.5-127.5	0.1370E-04	0	0- 45	0.4250E-04	90-135	0.4250E-04
15-30.00	0.6721E-02	-7.5 TO 37.5	0.1234E-04	82.5-127.5	0.1204E-04	15	0- 45	0.4038E-04	90-135	0.3969E-04
30-45.00	0.1069E-01	-7.5 TO 37.5	0.9589E-05	82.5-127.5	0.9218E-05	30	0- 45	0.3364E-04	90-135	0.3252E-04
45-60.00	0.1393E-01	-7.5 TO 37.5	0.6240E-05	82.5-127.5	0.5901E-05	45	0- 45	0.2407E-04	90-135	0.2288E-04
60-75.00	0.1623E-01	-7.5 TO 37.5	0.2883E-05	82.5-127.5	0.2643E-05	60	0- 45	0.1367E-04	90-135	0.1271E-04
75-85.08	0.1165E-01	-7.5 TO 37.5	0.4373E-06	82.5-127.5	0.3462E-06	75	0- 45	0.3960E-05	90-135	0.3378E-05
0-15.00	0.3057E-02	-7.5 TO 52.5	0.1384E-04	82.5-142.5	0.1368E-04	0	0- 60	0.5667E-04	90-150	0.5667E-04
15-30.00	0.8962E-02	-7.5 TO 52.5	0.1232E-04	82.5-142.5	0.1201E-04	15	0- 60	0.5379E-04	90-150	0.5284E-04
30-45.00	0.1426E-01	-7.5 TO 52.5	0.9570E-05	82.5-142.5	0.9183E-05	30	0- 60	0.4477E-04	90-150	0.4324E-04
45-60.00	0.1857E-01	-7.5 TO 52.5	0.6223E-05	82.5-142.5	0.5869E-05	45	0- 60	0.3200E-04	90-150	0.3038E-04
60-75.00	0.2164E-01	-7.5 TO 52.5	0.2871E-05	82.5-142.5	0.2620E-05	60	0- 60	0.1815E-04	90-150	0.1685E-04
75-85.08	0.1553E-01	-7.5 TO 52.5	0.4326E-06	82.5-142.5	0.3380E-06	75	0- 60	0.5234E-05	90-150	0.4443E-05
0-15.00	0.3821E-02	-7.5 TO 67.5	0.1383E-04	82.5-157.5	0.1367E-04	0	0- 75	0.7083E-04	90-165	0.7083E-04
15-30.00	0.1120E-01	-7.5 TO 67.5	0.1230E-04	82.5-157.5	0.1198E-04	15	0- 75	0.6716E-04	90-165	0.6597E-04
30-45.00	0.1782E-01	-7.5 TO 67.5	0.9546E-05	82.5-157.5	0.9153E-05	30	0- 75	0.5583E-04	90-165	0.5392E-04
45-60.00	0.2322E-01	-7.5 TO 67.5	0.6201E-05	82.5-157.5	0.5842E-05	45	0- 75	0.3985E-04	90-165	0.3783E-04
60-75.00	0.2704E-01	-7.5 TO 67.5	0.2855E-05	82.5-157.5	0.2601E-05	60	0- 75	0.2258E-04	90-165	0.2096E-04
75-85.08	0.1941E-01	-7.5 TO 67.5	0.4266E-06	82.5-157.5	0.3308E-06	75	0- 75	0.6473E-05	90-165	0.5490E-05
0-15.00	0.4585E-02	-7.5 TO 82.5	0.1382E-04	82.5-172.5	0.1366E-04	0	0- 90	0.8500E-04	90-180	0.8500E-04
15-30.00	0.1344E-01	-7.5 TO 82.5	0.1228E-04	82.5-172.5	0.1196E-04	15	0- 90	0.8048E-04	90-180	0.7909E-04
30-45.00	0.2138E-01	-7.5 TO 82.5	0.9518E-05	82.5-172.5	0.9127E-05	30	0- 90	0.6682E-04	90-180	0.6458E-04
45-60.00	0.2787E-01	-7.5 TO 82.5	0.6175E-05	82.5-172.5	0.5819E-05	45	0- 90	0.4764E-04	90-180	0.4527E-04
60-75.00	0.3245E-01	-7.5 TO 82.5	0.2837E-05	82.5-172.5	0.2585E-05	60	0- 90	0.2694E-04	90-180	0.2505E-04
75-85.08	0.2329E-01	-7.5 TO 82.5	0.4196E-06	82.5-172.5	0.3248E-06	75	0- 90	0.7674E-05	90-180	0.6527E-05
0-15.00	0.5345E-02	-7.5 TO 97.5	0.1380E-04	82.5-187.5	0.1365E-04	0	0-105	0.9917E-04	90-195	0.9917E-04
15-30.00	0.1568E-01	-7.5 TO 97.5	0.1225E-04	82.5-187.5	0.1195E-04	15	0-105	0.9375E-04	90-195	0.9221E-04
30-45.00	0.2495E-01	-7.5 TO 97.5	0.9486E-05	82.5-187.5	0.9108E-05	30	0-105	0.7793E-04	90-195	0.7524E-04
45-60.00	0.3251E-01	-7.5 TO 97.5	0.6146E-05	82.5-187.5	0.5801E-05	45	0-105	0.5559E-04	90-195	0.5271E-04
60-75.00	0.3786E-01	-7.5 TO 97.5	0.2816E-05	82.5-187.5	0.2573E-05	60	0-105	0.3124E-04	90-195	0.2913E-04
75-85.08	0.2718E-01	-7.5 TO 97.5	0.4117E-06	82.5-187.5	0.3202E-06	75	0-105	0.8835E-05	90-195	0.7564E-05

r_2/r_1 = 0.40 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5800 $\cosh \mu_2$ = 8.6000 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 146.48

0-15.00	0.7642E-03	-7.5 TO 7.5	0.5139E-04	82.5- 97.5	0.5047E-04	0	0- 15	0.5208E-04	90-105	0.5208E-04
15-30.00	0.2240E-02	-7.5 TO 7.5	0.4636E-04	82.5- 97.5	0.4450E-04	15	0- 15	0.5022E-04	90-105	0.4872E-04
30-45.00	0.3564E-02	-7.5 TO 7.5	0.3652E-04	82.5- 97.5	0.3421E-04	30	0- 15	0.4245E-04	90-105	0.3999E-04
45-60.00	0.4649E-02	-7.5 TO 7.5	0.2411E-04	82.5- 97.5	0.2199E-04	45	0- 15	0.3080E-04	90-105	0.2820E-04
60-75.00	0.5405E-02	-7.5 TO 7.5	0.1144E-04	82.5- 97.5	0.9932E-05	60	0- 15	0.1781E-04	90-105	0.1572E-04
75-85.08	0.3882E-02	-7.5 TO 7.5	0.1959E-05	82.5- 97.5	0.1354E-05	75	0- 15	0.5499E-05	90-105	0.4229E-05
0-15.00	0.1528E-02	-7.5 TO 22.5	0.5137E-04	82.5-112.5	0.5036E-04	0	0- 30	0.1042E-03	90-120	0.1042E-03
15-30.00	0.4481E-02	-7.5 TO 22.5	0.4633E-04	82.5-112.5	0.4426E-04	15	0- 30	0.1004E-03	90-120	0.9710E-04
30-45.00	0.7128E-02	-7.5 TO 22.5	0.3648E-04	82.5-112.5	0.3391E-04	30	0- 30	0.8474E-04	90-120	0.7945E-04
45-60.00	0.9289E-02	-7.5 TO 22.5	0.2408E-04	82.5-112.5	0.2173E-04	45	0- 30	0.6143E-04	90-120	0.5584E-04
60-75.00	0.1082E-01	-7.5 TO 22.5	0.1141E-04	82.5-112.5	0.9748E-05	60	0- 30	0.3549E-04	90-120	0.3100E-04
75-85.08	0.7764E-02	-7.5 TO 22.5	0.1946E-05	82.5-112.5	0.1286E-05	75	0- 30	0.1092E-04	90-120	0.8196E-05
0-15.00	0.2293E-02	-7.5 TO 37.5	0.5134E-04	82.5-127.5	0.5024E-04	0	0- 45	0.1562E-03	90-135	0.1562E-03
15-30.00	0.6721E-02	-7.5 TO 37.5	0.4625E-04	82.5-127.5	0.4403E-04	15	0- 45	0.1503E-03	90-135	0.1452E-03
30-45.00	0.1069E-01	-7.5 TO 37.5	0.3639E-04	82.5-127.5	0.3364E-04	30	0- 45	0.1267E-03	90-135	0.1184E-03
45-60.00	0.1393E-01	-7.5 TO 37.5	0.2399E-04	82.5-127.5	0.2148E-04	45	0- 45	0.9176E-04	90-135	0.8298E-04
60-75.00	0.1623E-01	-7.5 TO 37.5	0.1135E-04	82.5-127.5	0.9575E-05	60	0- 45	0.5293E-04	90-135	0.4589E-04
75-85.08	0.1165E-01	-7.5 TO 37.5	0.1916E-05	82.5-127.5	0.1223E-05	75	0- 45	0.1618E-04	90-135	0.1193E-04
0-15.00	0.3057E-02	-7.5 TO 52.5	0.5128E-04	82.5-142.5	0.5014E-04	0	0- 60	0.2083E-03	90-150	0.2083E-03
15-30.00	0.8962E-02	-7.5 TO 52.5	0.4614E-04	82.5-142.5	0.4383E-04	15	0- 60	0.2000E-03	90-150	0.1930E-03
30-45.00	0.1426E-01	-7.5 TO 52.5	0.3625E-04	82.5-142.5	0.3339E-04	30	0- 60	0.1683E-03	90-150	0.1570E-03
45-60.00	0.1858E-01	-7.5 TO 52.5	0.2386E-04	82.5-142.5	0.2126E-04	45	0- 60	0.1217E-03	90-150	0.1097E-03
60-75.00	0.2164E-01	-7.5 TO 52.5	0.1126E-04	82.5-142.5	0.9419E-05	60	0- 60	0.7001E-04	90-150	0.6046E-04
75-85.08	0.1553E-01	-7.5 TO 52.5	0.1879E-05	82.5-142.5	0.1166E-05	75	0- 60	0.2123E-04	90-150	0.1549E-04
0-15.00	0.3821E-02	-7.5 TO 67.5	0.5121E-04	82.5-157.5	0.5005E-04	0	0- 75	0.2604E-03	90-165	0.2604E-03
15-30.00	0.1120E-01	-7.5 TO 67.5	0.4600E-04	82.5-157.5	0.4365E-04	15	0- 75	0.2494E-03	90-165	0.2407E-03
30-45.00	0.1782E-01	-7.5 TO 67.5	0.3607E-04	82.5-157.5	0.3317E-04	30	0- 75	0.2094E-03	90-165	0.1953E-03
45-60.00	0.2322E-01	-7.5 TO 67.5	0.2370E-04	82.5-157.5	0.2106E-04	45	0- 75	0.1510E-03	90-165	0.1362E-03
60-75.00	0.2704E-01	-7.5 TO 67.5	0.1114E-04	82.5-157.5	0.9282E-05	60	0- 75	0.8668E-04	90-165	0.7481E-04
75-85.08	0.1941E-01	-7.5 TO 67.5	0.1826E-05	82.5-157.5	0.1116E-05	75	0- 75	0.2602E-04	90-165	0.1892E-04
0-15.00	0.4585E-02	-7.5 TO 82.5	0.5113E-04	82.5-172.5	0.4998E-04	0	0- 90	0.3125E-03	90-180	0.3125E-03
15-30.00	0.1344E-01	-7.5 TO 82.5	0.4583E-04	82.5-172.5	0.4350E-04	15	0- 90	0.2985E-03	90-180	0.2883E-03
30-45.00	0.2138E-01	-7.5 TO 82.5	0.3585E-04	82.5-172.5	0.3298E-04	30	0- 90	0.2500E-03	90-180	0.2335E-03
45-60.00	0.2787E-01	-7.5 TO 82.5	0.2350E-04	82.5-172.5	0.2089E-04	45	0- 90	0.1798E-03	90-180	0.1625E-03
60-75.00	0.3245E-01	-7.5 TO 82.5	0.1100E-04	82.5-172.5	0.9169E-05	60	0- 90	0.1029E-03	90-180	0.8905E-04
75-85.08	0.2329E-01	-7.5 TO 82.5	0.1771E-05	82.5-172.5	0.1076E-05	75	0- 90	0.3053E-04	90-180	0.2228E-04
0-15.00	0.5345E-02	-7.5 TO 97.5	0.5103E-04	82.5-187.5	0.4992E-04	0	0-105	0.3645E-03	90-195	0.3645E-03
15-30.00	0.1568E-01	-7.5 TO 97.5	0.4564E-04	82.5-187.5	0.4338E-04	15	0-105	0.3472E-03	90-195	0.3359E-03
30-45.00	0.2495E-01	-7.5 TO 97.5	0.3562E-04	82.5-187.5	0.3284E-04	30	0-105	0.2900E-03	90-195	0.2717E-03
45-60.00	0.3251E-01	-7.5 TO 97.5	0.2329E-04	82.5-187.5	0.2077E-04	45	0-105	0.2080E-03	90-195	0.1888E-03
60-75.00	0.3786E-01	-7.5 TO 97.5	0.1085E-04	82.5-187.5	0.9082E-05	60	0-105	0.1186E-03	90-195	0.1033E-03
75-85.08	0.2718E-01	-7.5 TO 97.5	0.1711E-05	82.5-187.5	0.1046E-05	75	0-105	0.3476E-04	90-195	0.2564E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5600$ $\cosh \mu_2 = 8.6000$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 130.07$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7642E-03	-7.5 TO 7.5	0.1013E-03	82.5- 97.5	0.9861E-04	0	0- 15	0.1017E-03	90-105	0.1017E-03
15-30.00	0.2240E-02	-7.5 TO 7.5	0.9249E-04	82.5- 97.5	0.8697E-04	15	0- 15	0.9946E-04	90-105	0.9502E-04
30-45.00	0.3564E-02	-7.5 TO 7.5	0.7378E-04	82.5- 97.5	0.6692E-04	30	0- 15	0.8519E-04	90-105	0.7793E-04
45-60.00	0.4645E-02	-7.5 TO 7.5	0.4937E-04	82.5- 97.5	0.4309E-04	45	0- 15	0.6261E-04	90-105	0.5492E-04
60-75.00	0.5405E-02	-7.5 TO 7.5	0.2393E-04	82.5- 97.5	0.1951E-04	60	0- 15	0.3677E-04	90-105	0.3062E-04
75-85.08	0.3882E-02	-7.5 TO 7.5	0.4602E-05	82.5- 97.5	0.2683E-05	75	0- 15	0.1190E-04	90-105	0.8220E-05
0-15.00	0.1526E-02	-7.5 TO 22.5	0.1013E-03	82.5-112.5	0.9826E-04	0	0- 30	0.2035E-03	90-120	0.2035E-03
15-30.00	0.4481E-02	-7.5 TO 22.5	0.9239E-04	82.5-112.5	0.8628E-04	15	0- 30	0.1987E-03	90-120	0.1891E-03
30-45.00	0.7128E-02	-7.5 TO 22.5	0.7366E-04	82.5-112.5	0.6607E-04	30	0- 30	0.1699E-03	90-120	0.1543E-03
45-60.00	0.9289E-02	-7.5 TO 22.5	0.4926E-04	82.5-112.5	0.4232E-04	45	0- 30	0.1247E-03	90-120	0.1082E-03
60-75.00	0.1081E-01	-7.5 TO 22.5	0.2385E-04	82.5-112.5	0.1898E-04	60	0- 30	0.7316E-04	90-120	0.5995E-04
75-85.08	0.7764E-02	-7.5 TO 22.5	0.4559E-05	82.5-112.5	0.2495E-05	75	0- 30	0.2356E-04	90-120	0.1571E-04
0-15.00	0.2293E-02	-7.5 TO 37.5	0.1012E-03	82.5-127.5	0.9793E-04	0	0- 45	0.3052E-03	90-135	0.3052E-03
15-30.00	0.6721E-02	-7.5 TO 37.5	0.9217E-04	82.5-127.5	0.8562E-04	15	0- 45	0.2973E-03	90-135	0.2822E-03
30-45.00	0.1069E-01	-7.5 TO 37.5	0.7338E-04	82.5-127.5	0.6527E-04	30	0- 45	0.2538E-03	90-135	0.2292E-03
45-60.00	0.1393E-01	-7.5 TO 37.5	0.4900E-04	82.5-127.5	0.4160E-04	45	0- 45	0.1859E-03	90-135	0.1601E-03
60-75.00	0.1623E-01	-7.5 TO 37.5	0.2367E-04	82.5-127.5	0.1849E-04	60	0- 45	0.1088E-03	90-135	0.8817E-04
75-85.08	0.1165E-01	-7.5 TO 37.5	0.4463E-05	82.5-127.5	0.2321E-05	75	0- 45	0.3476E-04	90-135	0.2257E-04
0-15.00	0.3057E-02	-7.5 TO 52.5	0.1010E-03	82.5-142.5	0.9763E-04	0	0- 60	0.4069E-03	90-150	0.4069E-03
15-30.00	0.8962E-02	-7.5 TO 52.5	0.9184E-04	82.5-142.5	0.8501E-04	15	0- 60	0.3953E-03	90-150	0.3747E-03
30-45.00	0.1426E-01	-7.5 TO 52.5	0.7297E-04	82.5-142.5	0.6453E-04	30	0- 60	0.3365E-03	90-150	0.3031E-03
45-60.00	0.1858E-01	-7.5 TO 52.5	0.4862E-04	82.5-142.5	0.4095E-04	45	0- 60	0.2489E-03	90-150	0.2108E-03
60-75.00	0.2164E-01	-7.5 TO 52.5	0.2339E-04	82.5-142.5	0.1805E-04	60	0- 60	0.1434E-03	90-150	0.1155E-03
75-85.08	0.1553E-01	-7.5 TO 52.5	0.4322E-05	82.5-142.5	0.2169E-05	75	0- 60	0.4533E-04	90-150	0.2893E-04
0-15.00	0.3821E-02	-7.5 TO 67.5	0.1008E-03	82.5-157.5	0.9737E-04	0	0- 75	0.5087E-03	90-165	0.5087E-03
15-30.00	0.1120E-01	-7.5 TO 67.5	0.9141E-04	82.5-157.5	0.8449E-04	15	0- 75	0.4923E-03	90-165	0.4666E-03
30-45.00	0.1782E-01	-7.5 TO 67.5	0.7243E-04	82.5-157.5	0.6389E-04	30	0- 75	0.4177E-03	90-165	0.3761E-03
45-60.00	0.2322E-01	-7.5 TO 67.5	0.4813E-04	82.5-157.5	0.4038E-04	45	0- 75	0.3042E-03	90-165	0.2606E-03
60-75.00	0.2704E-01	-7.5 TO 67.5	0.2304E-04	82.5-157.5	0.1767E-04	60	0- 75	0.1767E-03	90-165	0.1422E-03
75-85.08	0.1941E-01	-7.5 TO 67.5	0.4454E-05	82.5-157.5	0.2042E-05	75	0- 75	0.5515E-04	90-165	0.3496E-04
0-15.00	0.4565E-02	-7.5 TO 82.5	0.1005E-03	82.5-172.5	0.9715E-04	0	0- 90	0.6104E-03	90-180	0.6104E-03
15-30.00	0.1344E-01	-7.5 TO 82.5	0.9091E-04	82.5-172.5	0.8405E-04	15	0- 90	0.5883E-03	90-180	0.5583E-03
30-45.00	0.2138E-01	-7.5 TO 82.5	0.7180E-04	82.5-172.5	0.6336E-04	30	0- 90	0.4972E-03	90-180	0.4488E-03
45-60.00	0.2787E-01	-7.5 TO 82.5	0.4755E-04	82.5-172.5	0.3991E-04	45	0- 90	0.3609E-03	90-180	0.3101E-03
60-75.00	0.3245E-01	-7.5 TO 82.5	0.2263E-04	82.5-172.5	0.1735E-04	60	0- 90	0.2087E-03	90-180	0.1686E-03
75-85.08	0.2329E-01	-7.5 TO 82.5	0.3975E-05	82.5-172.5	0.1941E-05	75	0- 90	0.6416E-04	90-180	0.4082E-04
0-15.00	0.5345E-02	-7.5 TO 97.5	0.1003E-03	82.5-187.5	0.9698E-04	0	0-105	0.7121E-03	90-195	0.7121E-03
15-30.00	0.1568E-01	-7.5 TO 97.5	0.9035E-04	82.5-187.5	0.8371E-04	15	0-105	0.6834E-03	90-195	0.6500E-03
30-45.00	0.2495E-01	-7.5 TO 97.5	0.7110E-04	82.5-187.5	0.6296E-04	30	0-105	0.5752E-03	90-195	0.5214E-03
45-60.00	0.3251E-01	-7.5 TO 97.5	0.4691E-04	82.5-187.5	0.3955E-04	45	0-105	0.4158E-03	90-195	0.3596E-03
60-75.00	0.3786E-01	-7.5 TO 97.5	0.2219E-04	82.5-187.5	0.1711E-04	60	0-105	0.2393E-03	90-195	0.1950E-03
75-85.08	0.2718E-01	-7.5 TO 97.5	0.3790E-05	82.5-187.5	0.1864E-05	75	0-105	0.7238E-04	90-195	0.4668E-04

$r_2/r_1 = 0.40$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5600$ $\cosh \mu_2 = 8.6000$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 114.04$

0-15.00	0.7642E-03	-7.5 TO 7.5	0.1489E-03	82.5- 97.5	0.1436E-03	0	0- 15	0.1481E-03	90-105	0.1481E-03
15-30.00	0.2240E-02	-7.5 TO 7.5	0.1376E-03	82.5- 97.5	0.1267E-03	15	0- 15	0.1469E-03	90-105	0.1381E-03
30-45.00	0.3564E-02	-7.5 TO 7.5	0.1112E-03	82.5- 97.5	0.9760E-04	30	0- 15	0.1275E-03	90-105	0.1132E-03
45-60.00	0.4645E-02	-7.5 TO 7.5	0.7533E-04	82.5- 97.5	0.6295E-04	45	0- 15	0.9492E-04	90-105	0.7974E-04
60-75.00	0.5405E-02	-7.5 TO 7.5	0.3717E-04	82.5- 97.5	0.2857E-04	60	0- 15	0.5652E-04	90-105	0.4446E-04
75-85.08	0.3882E-02	-7.5 TO 7.5	0.7770E-05	82.5- 97.5	0.3970E-05	75	0- 15	0.1896E-04	90-105	0.1194E-04
0-15.00	0.1526E-02	-7.5 TO 22.5	0.1488E-03	82.5-112.5	0.1429E-03	0	0- 30	0.2962E-03	90-120	0.2962E-03
15-30.00	0.4481E-02	-7.5 TO 22.5	0.1374E-03	82.5-112.5	0.1253E-03	15	0- 30	0.2933E-03	90-120	0.2743E-03
30-45.00	0.7128E-02	-7.5 TO 22.5	0.1109E-03	82.5-112.5	0.9594E-04	30	0- 30	0.2542E-03	90-120	0.2232E-03
45-60.00	0.9289E-02	-7.5 TO 22.5	0.7510E-04	82.5-112.5	0.6146E-04	45	0- 30	0.1889E-03	90-120	0.1563E-03
60-75.00	0.1081E-01	-7.5 TO 22.5	0.3701E-04	82.5-112.5	0.2758E-04	60	0- 30	0.1123E-03	90-120	0.8648E-04
75-85.08	0.7764E-02	-7.5 TO 22.5	0.7685E-05	82.5-112.5	0.3629E-05	75	0- 30	0.3745E-04	90-120	0.2253E-04
0-15.00	0.2293E-02	-7.5 TO 37.5	0.1486E-03	82.5-127.5	0.1422E-03	0	0- 45	0.4443E-03	90-135	0.4443E-03
15-30.00	0.6721E-02	-7.5 TO 37.5	0.1370E-03	82.5-127.5	0.1240E-03	15	0- 45	0.4386E-03	90-135	0.4087E-03
30-45.00	0.1069E-01	-7.5 TO 37.5	0.1104E-03	82.5-127.5	0.9437E-04	30	0- 45	0.3791E-03	90-135	0.3306E-03
45-60.00	0.1393E-01	-7.5 TO 37.5	0.7460E-04	82.5-127.5	0.6007E-04	45	0- 45	0.2810E-03	90-135	0.2301E-03
60-75.00	0.1623E-01	-7.5 TO 37.5	0.3665E-04	82.5-127.5	0.2666E-04	60	0- 45	0.1665E-03	90-135	0.1264E-03
75-85.08	0.1165E-01	-7.5 TO 37.5	0.7495E-05	82.5-127.5	0.3320E-05	75	0- 45	0.5504E-04	90-135	0.3204E-04
0-15.00	0.3057E-02	-7.5 TO 52.5	0.1483E-03	82.5-142.5	0.1417E-03	0	0- 60	0.5924E-03	90-150	0.5924E-03
15-30.00	0.8962E-02	-7.5 TO 52.5	0.1363E-03	82.5-142.5	0.1229E-03	15	0- 60	0.5825E-03	90-150	0.5418E-03
30-45.00	0.1426E-01	-7.5 TO 52.5	0.1096E-03	82.5-142.5	0.9294E-04	30	0- 60	0.5016E-03	90-150	0.4358E-03
45-60.00	0.1858E-01	-7.5 TO 52.5	0.7383E-04	82.5-142.5	0.5802E-04	45	0- 60	0.3705E-03	90-150	0.3016E-03
60-75.00	0.2164E-01	-7.5 TO 52.5	0.3611E-04	82.5-142.5	0.2584E-04	60	0- 60	0.2187E-03	90-150	0.1646E-03
75-85.08	0.1553E-01	-7.5 TO 52.5	0.7217E-05	82.5-142.5	0.3057E-05	75	0- 60	0.7140E-04	90-150	0.4065E-04
0-15.00	0.3821E-02	-7.5 TO 67.5	0.1479E-03	82.5-157.5	0.1411E-03	0	0- 75	0.7405E-03	90-165	0.7405E-03
15-30.00	0.1120E-01	-7.5 TO 67.5	0.1355E-03	82.5-157.5	0.1218E-03	15	0- 75	0.7246E-03	90-165	0.6739E-03
30-45.00	0.1782E-01	-7.5 TO 67.5	0.1085E-03	82.5-157.5	0.9170E-04	30	0- 75	0.6212E-03	90-165	0.5394E-03
45-60.00	0.2322E-01	-7.5 TO 67.5	0.7286E-04	82.5-157.5	0.5773E-04	45	0- 75	0.4570E-03	90-165	0.3716E-03
60-75.00	0.2704E-01	-7.5 TO 67.5	0.3543E-04	82.5-157.5	0.2513E-04	60	0- 75	0.2684E-03	90-165	0.2017E-03
75-85.08	0.1941E-01	-7.5 TO 67.5	0.6877E-05	82.5-157.5	0.2842E-05	75	0- 75	0.8634E-04	90-165	0.4868E-04
0-15.00	0.4565E-02	-7.5 TO 82.5	0.1474E-03	82.5-172.5	0.1407E-03	0	0- 90	0.8886E-03	90-180	0.8886E-03
15-30.00	0.1344E-01	-7.5 TO 82.5	0.1345E-03	82.5-172.5	0.1210E-03	15	0- 90	0.8667E-03	90-180	0.8055E-03
30-45.00	0.2138E-01	-7.5 TO 82.5	0.1073E-03	82.5-172.5	0.9067E-04	30	0- 90	0.7376E-03	90-180	0.6422E-03
45-60.00	0.2787E-01	-7.5 TO 82.5	0.7172E-04	82.5-172.5	0.5683E-04	45	0- 90	0.5401E-03	90-180	0.4408E-03
60-75.00	0.3245E-01	-7.5 TO 82.5	0.3463E-04	82.5-172.5	0.2455E-04	60	0- 90	0.3155E-03	90-180	0.2382E-03
75-85.08	0.2329E-01	-7.5 TO 82.5	0.6515E-05	82.5-172.5	0.2672E-05	75	0- 90	0.9975E-04	90-180	0.5641E-04
0-15.00	0.5345E-02	-7.5 TO 97.5	0.1469E-03	82.5-187.5	0.1404E-03	0	0-105	0.1037E-02	90-195	0.1037E-02
15-30.00	0.1568E-01	-7.5 TO 97.5	0.1334E-03	82.5-187.5	0.1203E-03	15	0-105	0.1003E-02	90-195	0.9370E-03
30-45.00	0.2495E-01	-7.5 TO 97.5	0.1059E-03	82.5-187.5	0.8988E-04	30	0-105	0.8508E-03	90-195	0.7451E-03
45-60.00	0.3251E-01	-7.5 TO 97.5	0.7046E-04	82.5-187.5	0.5614E-04	45	0-105	0.6199E-03	90-195	0.5100E-03
60-75.00	0.3786E-01	-7.5 TO 97.5	0.3377E-04	82.5-187.5	0.2410E-04	60	0-105	0.3600E-03	90-195	0.2746E-03
75-85.08	0.2718E-01	-7.5 TO 97.5	0.6151E-05	82.5-187.5	0.2542E-05	75	0-105	0.1117E-03	90-195	0.6414E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

r_2/r_1 = 0.40 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5600 $\cosh \mu_2$ = 8.6000 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 98.45

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7642E-03	-7.5 TO 7.5	0.1811E-03	82.5- 97.5	0.1727E-03	0	0- 15	0.1781E-03	90-105	0.1781E-03
15-30.00	0.2240E-02	-7.5 TO 7.5	0.1696E-03	82.5- 97.5	0.1525E-03	15	0- 15	0.1798E-03	90-105	0.1658E-03
30-45.00	0.3564E-02	-7.5 TO 7.5	0.1388E-03	82.5- 97.5	0.1176E-03	30	0- 15	0.1582E-03	90-105	0.1357E-03
45-60.00	0.4645E-02	-7.5 TO 7.5	0.9510E-04	82.5- 97.5	0.7597E-04	45	0- 15	0.1192E-03	90-105	0.9558E-04
60-75.00	0.5405E-02	-7.5 TO 7.5	0.4761E-04	82.5- 97.5	0.3457E-04	60	0- 15	0.7184E-04	90-105	0.5332E-04
75-85.08	0.3892E-02	-7.5 TO 7.5	0.1048E-04	82.5- 97.5	0.4844E-05	75	0- 15	0.2469E-04	90-105	0.1435E-04
0-15.00	0.1528E-02	-7.5 TO 22.5	0.1809E-03	82.5-112.5	0.1717E-03	0	0- 30	0.3563E-03	90-120	0.3563E-03
15-30.00	0.4481E-02	-7.5 TO 22.5	0.1693E-03	82.5-112.5	0.1504E-03	15	0- 30	0.3583E-03	90-120	0.3286E-03
30-45.00	0.7128E-02	-7.5 TO 22.5	0.1384E-03	82.5-112.5	0.1150E-03	30	0- 30	0.3149E-03	90-120	0.2666E-03
45-60.00	0.9289E-02	-7.5 TO 22.5	0.9481E-04	82.5-112.5	0.7370E-04	45	0- 30	0.2369E-03	90-120	0.1863E-03
60-75.00	0.1082E-01	-7.5 TO 22.5	0.4737E-04	82.5-112.5	0.3311E-04	60	0- 30	0.1425E-03	90-120	0.1030E-03
75-85.08	0.7764E-02	-7.5 TO 22.5	0.1035E-04	82.5-112.5	0.4373E-05	75	0- 30	0.4866E-04	90-120	0.2683E-04
0-15.00	0.2293E-02	-7.5 TO 37.5	0.1806E-03	82.5-127.5	0.1706E-03	0	0- 45	0.5344E-03	90-135	0.5344E-03
15-30.00	0.6721E-02	-7.5 TO 37.5	0.1688E-03	82.5-127.5	0.1484E-03	15	0- 45	0.5354E-03	90-135	0.4887E-03
30-45.00	0.1069E-01	-7.5 TO 37.5	0.1376E-03	82.5-127.5	0.1126E-03	30	0- 45	0.4690E-03	90-135	0.3933E-03
45-60.00	0.1393E-01	-7.5 TO 37.5	0.9401E-04	82.5-127.5	0.7159E-04	45	0- 45	0.3517E-03	90-135	0.2727E-03
60-75.00	0.1623E-01	-7.5 TO 37.5	0.4681E-04	82.5-127.5	0.3176E-04	60	0- 45	0.2108E-03	90-135	0.1495E-03
75-85.08	0.1165E-01	-7.5 TO 37.5	0.1007E-04	82.5-127.5	0.3954E-05	75	0- 45	0.7129E-04	90-135	0.3775E-04
0-15.00	0.3057E-02	-7.5 TO 52.5	0.1801E-03	82.5-142.5	0.1697E-03	0	0- 60	0.7125E-03	90-150	0.7125E-03
15-30.00	0.8962E-02	-7.5 TO 52.5	0.1678E-03	82.5-142.5	0.1465E-03	15	0- 60	0.7102E-03	90-150	0.6467E-03
30-45.00	0.1426E-01	-7.5 TO 52.5	0.1363E-03	82.5-142.5	0.1104E-03	30	0- 60	0.6192E-03	90-150	0.5166E-03
45-60.00	0.1858E-01	-7.5 TO 52.5	0.9282E-04	82.5-142.5	0.6969E-04	45	0- 60	0.4625E-03	90-150	0.3558E-03
60-75.00	0.2164E-01	-7.5 TO 52.5	0.4599E-04	82.5-142.5	0.3056E-04	60	0- 60	0.2759E-03	90-150	0.1935E-03
75-85.08	0.1553E-01	-7.5 TO 52.5	0.9656E-05	82.5-142.5	0.3604E-05	75	0- 60	0.9208E-04	90-150	0.4751E-04
0-15.00	0.3821E-02	-7.5 TO 67.5	0.1795E-03	82.5-157.5	0.1689E-03	0	0- 75	0.8907E-03	90-165	0.8907E-03
15-30.00	0.1120E-01	-7.5 TO 67.5	0.1663E-03	82.5-157.5	0.1449E-03	15	0- 75	0.8822E-03	90-165	0.8031E-03
30-45.00	0.1782E-01	-7.5 TO 67.5	0.1346E-03	82.5-157.5	0.1085E-03	30	0- 75	0.7650E-03	90-165	0.6376E-03
45-60.00	0.2322E-01	-7.5 TO 67.5	0.9130E-04	82.5-157.5	0.6803E-04	45	0- 75	0.5685E-03	90-165	0.4365E-03
60-75.00	0.2705E-01	-7.5 TO 67.5	0.4494E-04	82.5-157.5	0.2954E-04	60	0- 75	0.3372E-03	90-165	0.2358E-03
75-85.08	0.1941E-01	-7.5 TO 67.5	0.9148E-05	82.5-157.5	0.3321E-05	75	0- 75	0.1107E-03	90-165	0.5648E-04
0-15.00	0.4585E-02	-7.5 TO 82.5	0.1787E-03	82.5-172.5	0.1682E-03	0	0- 90	0.1069E-02	90-180	0.1069E-02
15-30.00	0.1344E-01	-7.5 TO 82.5	0.1647E-03	82.5-172.5	0.1436E-03	15	0- 90	0.1051E-02	90-180	0.9587E-03
30-45.00	0.2138E-01	-7.5 TO 82.5	0.1327E-03	82.5-172.5	0.1069E-03	30	0- 90	0.9057E-03	90-180	0.7573E-03
45-60.00	0.2787E-01	-7.5 TO 82.5	0.8953E-04	82.5-172.5	0.6670E-04	45	0- 90	0.6693E-03	90-180	0.5160E-03
60-75.00	0.3245E-01	-7.5 TO 82.5	0.4373E-04	82.5-172.5	0.2870E-04	60	0- 90	0.3945E-03	90-180	0.2773E-03
75-85.08	0.2329E-01	-7.5 TO 82.5	0.8860E-05	82.5-172.5	0.3098E-05	75	0- 90	0.1272E-03	90-180	0.6507E-04
0-15.00	0.5349E-02	-7.5 TO 97.5	0.1778E-03	82.5-187.5	0.1677E-03	0	0-105	0.1247E-02	90-195	0.1247E-02
15-30.00	0.1568E-01	-7.5 TO 97.5	0.1629E-03	82.5-187.5	0.1426E-03	15	0-105	0.1217E-02	90-195	0.1114E-02
30-45.00	0.2495E-01	-7.5 TO 97.5	0.1305E-03	82.5-187.5	0.1057E-03	30	0-105	0.1041E-02	90-195	0.8771E-03
45-60.00	0.3251E-01	-7.5 TO 97.5	0.8739E-04	82.5-187.5	0.6565E-04	45	0-105	0.7649E-03	90-195	0.5955E-03
60-75.00	0.3786E-01	-7.5 TO 97.5	0.4242E-04	82.5-187.5	0.2806E-04	60	0-105	0.4479E-03	90-195	0.3187E-03
75-85.08	0.2718E-01	-7.5 TO 97.5	0.8068E-05	82.5-187.5	0.2930E-05	75	0-105	0.1416E-03	90-195	0.7365E-04

r_2/r_1 = 0.40 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5600 $\cosh \mu_2$ = 8.6000 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 83.32

0-15.00	0.7642E-03	-7.5 TO 7.5	0.1903E-03	82.5- 97.5	0.1796E-03	0	0- 15	0.1852E-03	90-105	0.1852E-03
15-30.00	0.2240E-02	-7.5 TO 7.5	0.1808E-03	82.5- 97.5	0.1586E-03	15	0- 15	0.1897E-03	90-105	0.1721E-03
30-45.00	0.3564E-02	-7.5 TO 7.5	0.1502E-03	82.5- 97.5	0.1224E-03	30	0- 15	0.1698E-03	90-105	0.1407E-03
45-60.00	0.4645E-02	-7.5 TO 7.5	0.1041E-03	82.5- 97.5	0.7915E-04	45	0- 15	0.1298E-03	90-105	0.9901E-04
60-75.00	0.5405E-02	-7.5 TO 7.5	0.5264E-04	82.5- 97.5	0.3607E-04	60	0- 15	0.7902E-04	90-105	0.5523E-04
75-85.08	0.3882E-02	-7.5 TO 7.5	0.1187E-04	82.5- 97.5	0.5071E-05	75	0- 15	0.2753E-04	90-105	0.1488E-04
0-15.00	0.1528E-02	-7.5 TO 22.5	0.1901E-03	82.5-112.5	0.1782E-03	0	0- 30	0.3704E-03	90-120	0.3704E-03
15-30.00	0.4481E-02	-7.5 TO 22.5	0.1804E-03	82.5-112.5	0.1560E-03	15	0- 30	0.3783E-03	90-120	0.3404E-03
30-45.00	0.7128E-02	-7.5 TO 22.5	0.1496E-03	82.5-112.5	0.1192E-03	30	0- 30	0.3378E-03	90-120	0.2754E-03
45-60.00	0.9289E-02	-7.5 TO 22.5	0.1037E-03	82.5-112.5	0.7638E-04	45	0- 30	0.2575E-03	90-120	0.1921E-03
60-75.00	0.1082E-01	-7.5 TO 22.5	0.5232E-04	82.5-112.5	0.3433E-04	60	0- 30	0.1564E-03	90-120	0.1061E-03
75-85.08	0.7764E-02	-7.5 TO 22.5	0.1171E-04	82.5-112.5	0.4546E-05	75	0- 30	0.5414E-04	90-120	0.2766E-04
0-15.00	0.2293E-02	-7.5 TO 37.5	0.1896E-03	82.5-127.5	0.1770E-03	0	0- 45	0.5556E-03	90-135	0.5556E-03
15-30.00	0.6721E-02	-7.5 TO 37.5	0.1795E-03	82.5-127.5	0.1535E-03	15	0- 45	0.5647E-03	90-135	0.5054E-03
30-45.00	0.1069E-01	-7.5 TO 37.5	0.1485E-03	82.5-127.5	0.1163E-03	30	0- 45	0.5021E-03	90-135	0.4052E-03
45-60.00	0.1393E-01	-7.5 TO 37.5	0.1026E-03	82.5-127.5	0.7386E-04	45	0- 45	0.3813E-03	90-135	0.2802E-03
60-75.00	0.1623E-01	-7.5 TO 37.5	0.5160E-04	82.5-127.5	0.3277E-04	60	0- 45	0.2308E-03	90-135	0.1534E-03
75-85.08	0.1165E-01	-7.5 TO 37.5	0.1136E-04	82.5-127.5	0.4088E-05	75	0- 45	0.7905E-04	90-135	0.3874E-04
0-15.00	0.3057E-02	-7.5 TO 52.5	0.1890E-03	82.5-142.5	0.1758E-03	0	0- 60	0.7407E-03	90-150	0.7407E-03
15-30.00	0.8962E-02	-7.5 TO 52.5	0.1781E-03	82.5-142.5	0.1513E-03	15	0- 60	0.7482E-03	90-150	0.6678E-03
30-45.00	0.1426E-01	-7.5 TO 52.5	0.1468E-03	82.5-142.5	0.1137E-03	30	0- 60	0.6614E-03	90-150	0.5309E-03
45-60.00	0.1858E-01	-7.5 TO 52.5	0.1010E-03	82.5-142.5	0.7163E-04	45	0- 60	0.4999E-03	90-150	0.3644E-03
60-75.00	0.2164E-01	-7.5 TO 52.5	0.5052E-04	82.5-142.5	0.3140E-04	60	0- 60	0.3010E-03	90-150	0.1978E-03
75-85.08	0.1553E-01	-7.5 TO 52.5	0.1085E-04	82.5-142.5	0.3711E-05	75	0- 60	0.1017E-03	90-150	0.4858E-04
0-15.00	0.3821E-02	-7.5 TO 67.5	0.1882E-03	82.5-157.5	0.1748E-03	0	0- 75	0.9259E-03	90-165	0.9259E-03
15-30.00	0.1120E-01	-7.5 TO 67.5	0.1764E-03	82.5-157.5	0.1493E-03	15	0- 75	0.9281E-03	90-165	0.8284E-03
30-45.00	0.1782E-01	-7.5 TO 67.5	0.1445E-03	82.5-157.5	0.1114E-03	30	0- 75	0.8148E-03	90-165	0.6539E-03
45-60.00	0.2322E-01	-7.5 TO 67.5	0.9902E-04	82.5-157.5	0.6973E-04	45	0- 75	0.6121E-03	90-165	0.4460E-03
60-75.00	0.2705E-01	-7.5 TO 67.5	0.4917E-04	82.5-157.5	0.3025E-04	60	0- 75	0.3662E-03	90-165	0.2405E-03
75-85.08	0.1941E-01	-7.5 TO 67.5	0.1023E-04	82.5-157.5	0.3410E-05	75	0- 75	0.1217E-03	90-165	0.5760E-04
0-15.00	0.4585E-02	-7.5 TO 82.5	0.1872E-03	82.5-172.5	0.1740E-03	0	0- 90	0.1111E-02	90-180	0.1111E-02
15-30.00	0.1344E-01	-7.5 TO 82.5	0.1743E-03	82.5-172.5	0.1477E-03	15	0- 90	0.1104E-02	90-180	0.9880E-03
30-45.00	0.2138E-01	-7.5 TO 82.5	0.1420E-03	82.5-172.5	0.1096E-03	30	0- 90	0.9618E-03	90-180	0.7755E-03
45-60.00	0.2787E-01	-7.5 TO 82.5	0.9670E-04	82.5-172.5	0.6818E-04	45	0- 90	0.7176E-03	90-180	0.5262E-03
60-75.00	0.3245E-01	-7.5 TO 82.5	0.4762E-04	82.5-172.5	0.2932E-04	60	0- 90	0.4264E-03	90-180	0.2822E-03
75-85.08	0.2329E-01	-7.5 TO 82.5	0.9575E-05	82.5-172.5	0.3173E-05	75	0- 90	0.1390E-03	90-180	0.6622E-04
0-15.00	0.5349E-02	-7.5 TO 97.5	0.1861E-03	82.5-187.5	0.1734E-03	0	0-105	0.1296E-02	90-195	0.1296E-02
15-30.00	0.1568E-01	-7.5 TO 97.5	0.1721E-03	82.5-187.5	0.1465E-03	15	0-105	0.1276E-02	90-195	0.1148E-02
30-45.00	0.2495E-01	-7.5 TO 97.5	0.1392E-03	82.5-187.5	0.1081E-03	30	0-105	0.1102E-02	90-195	0.8971E-03
45-60.00	0.3251E-01	-7.5 TO 97.5	0.9419E-04	82.5-187.5	0.6698E-04	45	0-105	0.8166E-03	90-195	0.6065E-03
60-75.00	0.3786E-01	-7.5 TO 97.5	0.4597E-04	82.5-187.5	0.2860E-04	60	0-105	0.4816E-03	90-195	0.3239E-03
75-85.08	0.2718E-01	-7.5 TO 97.5	0.8932E-05	82.5-187.5	0.2994E-05	75	0-105	0.1539E-03	90-195	0.7484E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

r_2/r_1 = 0.40 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5600 $\cosh \mu_2$ = 8.6000 $\alpha_{2,max}$ = 94.92 $\theta_{2,min}$ = 78.46

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7642E-03	-7.5 TO 7.5	0.1903E-03	82.5- 97.5	0.1796E-03	0	0- 15	0.1852E-03	90-105	0.1852E-03
15-30.00	0.2240E-02	-7.5 TO 7.5	0.1808E-03	82.5- 97.5	0.1586E-03	15	0- 15	0.1897E-03	90-105	0.1721E-03
30-45.00	0.3564E-02	-7.5 TO 7.5	0.1503E-03	82.5- 97.5	0.1224E-03	30	0- 15	0.1699E-03	90-105	0.1407E-03
45-60.00	0.4645E-02	-7.5 TO 7.5	0.1045E-03	82.5- 97.5	0.7915E-04	45	0- 15	0.1300E-03	90-105	0.9901E-04
60-75.00	0.5469E-02	-7.5 TO 7.5	0.5291E-04	82.5- 97.5	0.3607E-04	60	0- 15	0.7936E-04	90-105	0.5523E-04
75-85.08	0.3882E-02	-7.5 TO 7.5	0.1195E-04	82.5- 97.5	0.5071E-05	75	0- 15	0.2770E-04	90-105	0.1488E-04
0-15.00	0.1528E-02	-7.5 TO 22.5	0.1901E-03	82.5-112.5	0.1782E-03	0	0- 30	0.3704E-03	90-120	0.3704E-03
15-30.00	0.4481E-02	-7.5 TO 22.5	0.1804E-03	82.5-112.5	0.1560E-03	15	0- 30	0.3783E-03	90-120	0.3404E-03
30-45.00	0.7128E-02	-7.5 TO 22.5	0.1498E-03	82.5-112.5	0.1192E-03	30	0- 30	0.3378E-03	90-120	0.2754E-03
45-60.00	0.9289E-02	-7.5 TO 22.5	0.1040E-03	82.5-112.5	0.7638E-04	45	0- 30	0.2579E-03	90-120	0.1921E-03
60-75.00	0.1062E-01	-7.5 TO 22.5	0.5257E-04	82.5-112.5	0.3433E-04	60	0- 30	0.1570E-03	90-120	0.1061E-03
75-85.08	0.7764E-02	-7.5 TO 22.5	0.1179E-04	82.5-112.5	0.4546E-05	75	0- 30	0.5445E-04	90-120	0.2766E-04
0-15.00	0.2253E-02	-7.5 TO 37.5	0.1896E-03	82.5-127.5	0.1770E-03	0	0- 45	0.5556E-03	90-135	0.5556E-03
15-30.00	0.6721E-02	-7.5 TO 37.5	0.1795E-03	82.5-127.5	0.1535E-03	15	0- 45	0.5647E-03	90-135	0.5054E-03
30-45.00	0.1069E-01	-7.5 TO 37.5	0.1486E-03	82.5-127.5	0.1163E-03	30	0- 45	0.5022E-03	90-135	0.4052E-03
45-60.00	0.1393E-01	-7.5 TO 37.5	0.1029E-03	82.5-127.5	0.7386E-04	45	0- 45	0.3819E-03	90-135	0.2802E-03
60-75.00	0.1623E-01	-7.5 TO 37.5	0.5182E-04	82.5-127.5	0.3277E-04	60	0- 45	0.2315E-03	90-135	0.1534E-03
75-85.08	0.1165E-01	-7.5 TO 37.5	0.1143E-04	82.5-127.5	0.4088E-05	75	0- 45	0.7943E-04	90-135	0.3874E-04
0-15.00	0.3057E-02	-7.5 TO 52.5	0.1890E-03	82.5-142.5	0.1758E-03	0	0- 60	0.7407E-03	90-150	0.7407E-03
15-30.00	0.8962E-02	-7.5 TO 52.5	0.1781E-03	82.5-142.5	0.1513E-03	15	0- 60	0.7482E-03	90-150	0.6678E-03
30-45.00	0.1426E-01	-7.5 TO 52.5	0.1468E-03	82.5-142.5	0.1137E-03	30	0- 60	0.6615E-03	90-150	0.5309E-03
45-60.00	0.1858E-01	-7.5 TO 52.5	0.1012E-03	82.5-142.5	0.7163E-04	45	0- 60	0.5006E-03	90-150	0.3644E-03
60-75.00	0.2164E-01	-7.5 TO 52.5	0.5071E-04	82.5-142.5	0.3140E-04	60	0- 60	0.3017E-03	90-150	0.1978E-03
75-85.08	0.1553E-01	-7.5 TO 52.5	0.1091E-04	82.5-142.5	0.3711E-05	75	0- 60	0.1021E-03	90-150	0.4858E-04
0-15.00	0.3821E-02	-7.5 TO 67.5	0.1882E-03	82.5-157.5	0.1748E-03	0	0- 75	0.9259E-03	90-165	0.9259E-03
15-30.00	0.1120E-01	-7.5 TO 67.5	0.1764E-03	82.5-157.5	0.1493E-03	15	0- 75	0.9281E-03	90-165	0.8284E-03
30-45.00	0.1782E-01	-7.5 TO 67.5	0.1446E-03	82.5-157.5	0.1114E-03	30	0- 75	0.8149E-03	90-165	0.6539E-03
45-60.00	0.2322E-01	-7.5 TO 67.5	0.9919E-04	82.5-157.5	0.6973E-04	45	0- 75	0.6126E-03	90-165	0.4460E-03
60-75.00	0.2704E-01	-7.5 TO 67.5	0.4932E-04	82.5-157.5	0.3025E-04	60	0- 75	0.3670E-03	90-165	0.2405E-03
75-85.08	0.1941E-01	-7.5 TO 67.5	0.1028E-04	82.5-157.5	0.3410E-05	75	0- 75	0.1221E-03	90-165	0.5760E-04
0-15.00	0.4565E-02	-7.5 TO 82.5	0.1872E-03	82.5-172.5	0.1740E-03	0	0- 90	0.1111E-02	90-180	0.1111E-02
15-30.00	0.1344E-01	-7.5 TO 82.5	0.1743E-03	82.5-172.5	0.1477E-03	15	0- 90	0.1104E-02	90-180	0.9880E-03
30-45.00	0.2136E-01	-7.5 TO 82.5	0.1420E-03	82.5-172.5	0.1096E-03	30	0- 90	0.9618E-03	90-180	0.7755E-03
45-60.00	0.2767E-01	-7.5 TO 82.5	0.9684E-04	82.5-172.5	0.6818E-04	45	0- 90	0.7181E-03	90-180	0.5202E-03
60-75.00	0.3245E-01	-7.5 TO 82.5	0.4775E-04	82.5-172.5	0.2932E-04	60	0- 90	0.4271E-03	90-180	0.2822E-03
75-85.08	0.2329E-01	-7.5 TO 82.5	0.9615E-05	82.5-172.5	0.3173E-05	75	0- 90	0.1394E-03	90-180	0.6622E-04
0-15.00	0.5345E-02	-7.5 TO 97.5	0.1861E-03	82.5-187.5	0.1734E-03	0	0-105	0.1296E-02	90-195	0.1296E-02
15-30.00	0.1568E-01	-7.5 TO 97.5	0.1721E-03	82.5-187.5	0.1465E-03	15	0-105	0.1276E-02	90-195	0.1148E-02
30-45.00	0.2495E-01	-7.5 TO 97.5	0.1392E-03	82.5-187.5	0.1081E-03	30	0-105	0.1102E-02	90-195	0.8971E-03
45-60.00	0.3231E-01	-7.5 TO 97.5	0.9461E-04	82.5-187.5	0.6698E-04	45	0-105	0.8171E-03	90-195	0.6065E-03
60-75.00	0.3786E-01	-7.5 TO 97.5	0.4608E-04	82.5-187.5	0.2860E-04	60	0-105	0.4823E-03	90-195	0.3239E-03
75-85.08	0.2718E-01	-7.5 TO 97.5	0.8965E-05	82.5-187.5	0.2994E-05	75	0-105	0.1543E-03	90-195	0.7484E-04

r_2/r_1 = 0.40 d/r_1 = 10.00 $\cosh \mu_1$ = 5.0420 $\cosh \mu_2$ = 12.3950 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 163.75

0-15.00	0.3659E-03	-7.5 TO 7.5	0.5896E-05	82.5- 97.5	0.5864E-05	0	0- 15	0.6018E-05	90-105	0.6018E-05
15-30.00	0.1071E-02	-7.5 TO 7.5	0.5345E-05	82.5- 97.5	0.5277E-05	15	0- 15	0.5758E-05	90-105	0.5705E-05
30-45.00	0.1704E-02	-7.5 TO 7.5	0.4312E-05	82.5- 97.5	0.4224E-05	30	0- 15	0.4935E-05	90-105	0.4844E-05
45-60.00	0.2220E-02	-7.5 TO 7.5	0.2980E-05	82.5- 97.5	0.2895E-05	45	0- 15	0.3708E-05	90-105	0.3606E-05
60-75.00	0.2585E-02	-7.5 TO 7.5	0.1547E-05	82.5- 97.5	0.1481E-05	60	0- 15	0.2283E-05	90-105	0.2195E-05
75-86.56	0.2131E-02	-7.5 TO 7.5	0.3377E-06	82.5- 97.5	0.2986E-06	75	0- 15	0.8470E-06	90-105	0.7875E-06
0-15.00	0.7365E-03	-7.5 TO 22.5	0.5898E-05	82.5-112.5	0.5860E-05	0	0- 30	0.1204E-04	90-120	0.1204E-04
15-30.00	0.2142E-02	-7.5 TO 22.5	0.5344E-05	82.5-112.5	0.5269E-05	15	0- 30	0.1151E-04	90-120	0.1140E-04
30-45.00	0.3407E-02	-7.5 TO 22.5	0.4311E-05	82.5-112.5	0.4213E-05	30	0- 30	0.9864E-05	90-120	0.9668E-05
45-60.00	0.4440E-02	-7.5 TO 22.5	0.2979E-05	82.5-112.5	0.2884E-05	45	0- 30	0.7410E-05	90-120	0.7190E-05
60-75.00	0.5171E-02	-7.5 TO 22.5	0.1546E-05	82.5-112.5	0.1472E-05	60	0- 30	0.4561E-05	90-120	0.4371E-05
75-86.56	0.4263E-02	-7.5 TO 22.5	0.3371E-06	82.5-112.5	0.2937E-06	75	0- 30	0.1690E-05	90-120	0.1562E-05
0-15.00	0.1096E-02	-7.5 TO 37.5	0.5895E-05	82.5-127.5	0.5856E-05	0	0- 45	0.1805E-04	90-135	0.1805E-04
15-30.00	0.3213E-02	-7.5 TO 37.5	0.5341E-05	82.5-127.5	0.5260E-05	15	0- 45	0.1726E-04	90-135	0.1708E-04
30-45.00	0.5111E-02	-7.5 TO 37.5	0.4307E-05	82.5-127.5	0.4202E-05	30	0- 45	0.1478E-04	90-135	0.1447E-04
45-60.00	0.6661E-02	-7.5 TO 37.5	0.2975E-05	82.5-127.5	0.2873E-05	45	0- 45	0.1110E-04	90-135	0.1075E-04
60-75.00	0.7756E-02	-7.5 TO 37.5	0.1543E-05	82.5-127.5	0.1464E-05	60	0- 45	0.6828E-05	90-135	0.6529E-05
75-86.56	0.6394E-02	-7.5 TO 37.5	0.3365E-06	82.5-127.5	0.2890E-06	75	0- 45	0.2527E-05	90-135	0.2325E-05
0-15.00	0.1461E-02	-7.5 TO 52.5	0.5893E-05	82.5-142.5	0.5852E-05	0	0- 60	0.2407E-04	90-150	0.2407E-04
15-30.00	0.4284E-02	-7.5 TO 52.5	0.5337E-05	82.5-142.5	0.5253E-05	15	0- 60	0.2300E-04	90-150	0.2275E-04
30-45.00	0.6814E-02	-7.5 TO 52.5	0.4302E-05	82.5-142.5	0.4193E-05	30	0- 60	0.1969E-04	90-150	0.1927E-04
45-60.00	0.8883E-02	-7.5 TO 52.5	0.2970E-05	82.5-142.5	0.2864E-05	45	0- 60	0.1477E-04	90-150	0.1430E-04
60-75.00	0.1034E-01	-7.5 TO 52.5	0.1539E-05	82.5-142.5	0.1457E-05	60	0- 60	0.9081E-05	90-150	0.8673E-05
75-86.56	0.8525E-02	-7.5 TO 52.5	0.3332E-06	82.5-142.5	0.2847E-06	75	0- 60	0.3353E-05	90-150	0.3078E-05
0-15.00	0.1826E-02	-7.5 TO 67.5	0.5890E-05	82.5-157.5	0.5849E-05	0	0- 75	0.3009E-04	90-165	0.3009E-04
15-30.00	0.5355E-02	-7.5 TO 67.5	0.5332E-05	82.5-157.5	0.5240E-05	15	0- 75	0.2873E-04	90-165	0.2842E-04
30-45.00	0.8518E-02	-7.5 TO 67.5	0.4295E-05	82.5-157.5	0.4184E-05	30	0- 75	0.2457E-04	90-165	0.2405E-04
45-60.00	0.1110E-01	-7.5 TO 67.5	0.2964E-05	82.5-157.5	0.2855E-05	45	0- 75	0.1843E-04	90-165	0.1784E-04
60-75.00	0.1293E-01	-7.5 TO 67.5	0.1534E-05	82.5-157.5	0.1451E-05	60	0- 75	0.1132E-04	90-165	0.1081E-04
75-86.56	0.1066E-01	-7.5 TO 67.5	0.3301E-06	82.5-157.5	0.2812E-06	75	0- 75	0.4168E-05	90-165	0.3825E-05
0-15.00	0.2192E-02	-7.5 TO 82.5	0.5887E-05	82.5-172.5	0.5846E-05	0	0- 90	0.3611E-04	90-180	0.3611E-04
15-30.00	0.6426E-02	-7.5 TO 82.5	0.5326E-05	82.5-172.5	0.5241E-05	15	0- 90	0.3445E-04	90-180	0.3408E-04
30-45.00	0.1022E-01	-7.5 TO 82.5	0.4287E-05	82.5-172.5	0.4177E-05	30	0- 90	0.2944E-04	90-180	0.2882E-04
45-60.00	0.1332E-01	-7.5 TO 82.5	0.2956E-05	82.5-172.5	0.2848E-05	45	0- 90	0.2206E-04	90-180	0.2137E-04
60-75.00	0.1551E-01	-7.5 TO 82.5	0.1528E-05	82.5-172.5	0.1445E-05	60	0- 90	0.1353E-04	90-180	0.1294E-04
75-86.56	0.1279E-01	-7.5 TO 82.5	0.3300E-06	82.5-172.5	0.2783E-06	75	0- 90	0.4969E-05	90-180	0.4568E-05
0-15.00	0.2557E-02	-7.5 TO 97.5	0.5884E-05	82.5-187.5	0.5844E-05	0	0-105	0.4213E-04	90-195	0.4213E-04
15-30.00	0.7496E-02	-7.5 TO 97.5	0.5319E-05	82.5-187.5	0.5236E-05	15	0-105	0.4015E-04	90-195	0.3975E-04
30-45.00	0.1193E-01	-7.5 TO 97.5	0.4278E-05	82.5-187.5	0.4171E-05	30	0-105	0.3428E-04	90-195	0.3360E-04
45-60.00	0.1554E-01	-7.5 TO 97.5	0.2947E-05	82.5-187.5	0.2843E-05	45	0-105	0.2566E-04	90-195	0.2490E-04
60-75.00	0.1810E-01	-7.5 TO 97.5	0.1521E-05	82.5-187.5	0.1441E-05	60	0-105	0.1573E-04	90-195	0.1507E-04
75-86.56	0.1492E-01	-7.5 TO 97.5	0.3225E-06	82.5-187.5	0.2761E-06	75	0-105	0.5756E-05	90-195	0.5511E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

r_2/r_1 = 0.40 d/r_1 = 10.000 cosh μ_1 = 5.0420 cosh μ_2 = 12.3950 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 147.60

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3653E-03	-7.5 TO 7.5	0.2192E-04	82.5- 97.5	0.2167E-04	0	0- 15	0.2224E-04	90-105	0.2224E-04
15-30.00	0.1071E-02	-7.5 TO 7.5	0.2001E-04	82.5- 97.5	0.1951E-04	15	0- 15	0.2146E-04	90-105	0.2106E-04
30-45.00	0.1764E-02	-7.5 TO 7.5	0.1627E-04	82.5- 97.5	0.1562E-04	30	0- 15	0.1855E-04	90-105	0.1787E-04
45-60.00	0.2220E-02	-7.5 TO 7.5	0.1134E-04	82.5- 97.5	0.1071E-04	45	0- 15	0.1405E-04	90-105	0.1329E-04
60-75.00	0.2565E-02	-7.5 TO 7.5	0.5972E-05	82.5- 97.5	0.5481E-05	60	0- 15	0.8739E-05	90-105	0.8085E-05
75-86.56	0.2131E-02	-7.5 TO 7.5	0.1396E-05	82.5- 97.5	0.1108E-05	75	0- 15	0.3332E-05	90-105	0.2893E-05
0-15.00	0.7305E-03	-7.5 TO 22.5	0.2191E-04	82.5-112.5	0.2164E-04	0	0- 30	0.4449E-04	90-120	0.4449E-04
15-30.00	0.2142E-02	-7.5 TO 22.5	0.2000E-04	82.5-112.5	0.1945E-04	15	0- 30	0.4290E-04	90-120	0.4204E-04
30-45.00	0.3467E-02	-7.5 TO 22.5	0.1626E-04	82.5-112.5	0.1554E-04	30	0- 30	0.3705E-04	90-120	0.3559E-04
45-60.00	0.4440E-02	-7.5 TO 22.5	0.1133E-04	82.5-112.5	0.1063E-04	45	0- 30	0.2805E-04	90-120	0.2642E-04
60-75.00	0.5171E-02	-7.5 TO 22.5	0.5963E-05	82.5-112.5	0.5420E-05	60	0- 30	0.1744E-04	90-120	0.1603E-04
75-86.56	0.4263E-02	-7.5 TO 22.5	0.1391E-05	82.5-112.5	0.1073E-05	75	0- 30	0.6636E-05	90-120	0.5692E-05
0-15.00	0.1096E-02	-7.5 TO 37.5	0.2190E-04	82.5-127.5	0.2161E-04	0	0- 45	0.6673E-04	90-135	0.6673E-04
15-30.00	0.3213E-02	-7.5 TO 37.5	0.1998E-04	82.5-127.5	0.1938E-04	15	0- 45	0.6430E-04	90-135	0.6293E-04
30-45.00	0.5111E-02	-7.5 TO 37.5	0.1624E-04	82.5-127.5	0.1546E-04	30	0- 45	0.5548E-04	90-135	0.5318E-04
45-60.00	0.6661E-02	-7.5 TO 37.5	0.1131E-04	82.5-127.5	0.1059E-04	45	0- 45	0.4197E-04	90-135	0.3941E-04
60-75.00	0.7756E-02	-7.5 TO 37.5	0.5943E-05	82.5-127.5	0.5362E-05	60	0- 45	0.2606E-04	90-135	0.2384E-04
75-86.56	0.6394E-02	-7.5 TO 37.5	0.1379E-05	82.5-127.5	0.1042E-05	75	0- 45	0.9888E-05	90-135	0.8408E-05
0-15.00	0.1461E-02	-7.5 TO 52.5	0.2189E-04	82.5-142.5	0.2159E-04	0	0- 60	0.8898E-04	90-150	0.8898E-04
15-30.00	0.4284E-02	-7.5 TO 52.5	0.1995E-04	82.5-142.5	0.1933E-04	15	0- 60	0.8562E-04	90-150	0.8376E-04
30-45.00	0.6814E-02	-7.5 TO 52.5	0.1620E-04	82.5-142.5	0.1539E-04	30	0- 60	0.7379E-04	90-150	0.7066E-04
45-60.00	0.8881E-02	-7.5 TO 52.5	0.1127E-04	82.5-142.5	0.1048E-04	45	0- 60	0.5576E-04	90-150	0.5227E-04
60-75.00	0.1034E-01	-7.5 TO 52.5	0.5914E-05	82.5-142.5	0.5309E-05	60	0- 60	0.3457E-04	90-150	0.3156E-04
75-86.56	0.8525E-02	-7.5 TO 52.5	0.1361E-05	82.5-142.5	0.1015E-05	75	0- 60	0.1307E-04	90-150	0.1106E-04
0-15.00	0.1826E-02	-7.5 TO 67.5	0.2187E-04	82.5-157.5	0.2156E-04	0	0- 75	0.1112E-03	90-165	0.1112E-03
15-30.00	0.5355E-02	-7.5 TO 67.5	0.1992E-04	82.5-157.5	0.1928E-04	15	0- 75	0.1069E-03	90-165	0.1045E-03
30-45.00	0.8518E-02	-7.5 TO 67.5	0.1615E-04	82.5-157.5	0.1532E-04	30	0- 75	0.9197E-04	90-165	0.8807E-04
45-60.00	0.1110E-01	-7.5 TO 67.5	0.1122E-04	82.5-157.5	0.1042E-04	45	0- 75	0.6939E-04	90-165	0.6504E-04
60-75.00	0.1293E-01	-7.5 TO 67.5	0.5870E-05	82.5-157.5	0.5262E-05	60	0- 75	0.4295E-04	90-165	0.3920E-04
75-86.56	0.1066E-01	-7.5 TO 67.5	0.1339E-05	82.5-157.5	0.9938E-06	75	0- 75	0.1616E-04	90-165	0.1366E-04
0-15.00	0.2192E-02	-7.5 TO 82.5	0.2185E-04	82.5-172.5	0.2154E-04	0	0- 90	0.1335E-03	90-180	0.1335E-03
15-30.00	0.6426E-02	-7.5 TO 82.5	0.1987E-04	82.5-172.5	0.1924E-04	15	0- 90	0.1280E-03	90-180	0.1253E-03
30-45.00	0.1022E-01	-7.5 TO 82.5	0.1609E-04	82.5-172.5	0.1527E-04	30	0- 90	0.1100E-03	90-180	0.1054E-03
45-60.00	0.1332E-01	-7.5 TO 82.5	0.1116E-04	82.5-172.5	0.1037E-04	45	0- 90	0.8286E-04	90-180	0.7778E-04
60-75.00	0.1551E-01	-7.5 TO 82.5	0.5831E-05	82.5-172.5	0.5224E-05	60	0- 90	0.5118E-04	90-180	0.4681E-04
75-86.56	0.1279E-01	-7.5 TO 82.5	0.1313E-05	82.5-172.5	0.9764E-06	75	0- 90	0.1915E-04	90-180	0.1624E-04
0-15.00	0.2557E-02	-7.5 TO 97.5	0.2182E-04	82.5-187.5	0.2153E-04	0	0-105	0.1557E-03	90-195	0.1557E-03
15-30.00	0.7496E-02	-7.5 TO 97.5	0.1982E-04	82.5-187.5	0.1920E-04	15	0-105	0.1491E-03	90-195	0.1461E-03
30-45.00	0.1193E-01	-7.5 TO 97.5	0.1602E-04	82.5-187.5	0.1523E-04	30	0-105	0.1279E-03	90-195	0.1228E-03
45-60.00	0.1554E-01	-7.5 TO 97.5	0.1110E-04	82.5-187.5	0.1033E-04	45	0-105	0.9616E-04	90-195	0.9051E-04
60-75.00	0.1810E-01	-7.5 TO 97.5	0.5781E-05	82.5-187.5	0.5194E-05	60	0-105	0.5927E-04	90-195	0.5441E-04
75-86.56	0.1492E-01	-7.5 TO 97.5	0.1283E-05	82.5-187.5	0.9631E-06	75	0-105	0.2204E-04	90-195	0.1882E-04

r_2/r_1 = 0.40 d/r_1 = 10.000 cosh μ_1 = 5.0420 cosh μ_2 = 12.3950 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 131.63

0-15.00	0.3653E-03	-7.5 TO 7.5	0.4342E-04	82.5- 97.5	0.4270E-04	0	0- 15	0.4382E-04	90-105	0.4382E-04
15-30.00	0.1071E-02	-7.5 TO 7.5	0.3995E-04	82.5- 97.5	0.3844E-04	15	0- 15	0.4265E-04	90-105	0.4145E-04
30-45.00	0.1764E-02	-7.5 TO 7.5	0.3274E-04	82.5- 97.5	0.3079E-04	30	0- 15	0.3716E-04	90-105	0.3514E-04
45-60.00	0.2220E-02	-7.5 TO 7.5	0.2302E-04	82.5- 97.5	0.2112E-04	45	0- 15	0.2838E-04	90-105	0.2613E-04
60-75.00	0.2565E-02	-7.5 TO 7.5	0.1227E-04	82.5- 97.5	0.1082E-04	60	0- 15	0.1782E-04	90-105	0.1588E-04
75-86.56	0.2131E-02	-7.5 TO 7.5	0.3026E-05	82.5- 97.5	0.2197E-05	75	0- 15	0.6953E-05	90-105	0.5674E-05
0-15.00	0.7305E-03	-7.5 TO 22.5	0.4341E-04	82.5-112.5	0.4261E-04	0	0- 30	0.8764E-04	90-120	0.8764E-04
15-30.00	0.2142E-02	-7.5 TO 22.5	0.3992E-04	82.5-112.5	0.3825E-04	15	0- 30	0.8522E-04	90-120	0.8264E-04
30-45.00	0.3467E-02	-7.5 TO 22.5	0.3271E-04	82.5-112.5	0.3054E-04	30	0- 30	0.7419E-04	90-120	0.6984E-04
45-60.00	0.4440E-02	-7.5 TO 22.5	0.2298E-04	82.5-112.5	0.2088E-04	45	0- 30	0.5662E-04	90-120	0.5176E-04
60-75.00	0.5171E-02	-7.5 TO 22.5	0.1224E-04	82.5-112.5	0.1064E-04	60	0- 30	0.3552E-04	90-120	0.3135E-04
75-86.56	0.4263E-02	-7.5 TO 22.5	0.3011E-05	82.5-112.5	0.2099E-05	75	0- 30	0.1382E-04	90-120	0.1108E-04
0-15.00	0.1096E-02	-7.5 TO 37.5	0.4338E-04	82.5-127.5	0.4252E-04	0	0- 45	0.1315E-03	90-135	0.1315E-03
15-30.00	0.3213E-02	-7.5 TO 37.5	0.3986E-04	82.5-127.5	0.3807E-04	15	0- 45	0.1277E-03	90-135	0.1236E-03
30-45.00	0.5111E-02	-7.5 TO 37.5	0.3263E-04	82.5-127.5	0.3031E-04	30	0- 45	0.1110E-03	90-135	0.1041E-03
45-60.00	0.6661E-02	-7.5 TO 37.5	0.2291E-04	82.5-127.5	0.2066E-04	45	0- 45	0.8459E-04	90-135	0.7697E-04
60-75.00	0.7756E-02	-7.5 TO 37.5	0.1218E-04	82.5-127.5	0.1047E-04	60	0- 45	0.5298E-04	90-135	0.4645E-04
75-86.56	0.6394E-02	-7.5 TO 37.5	0.2977E-05	82.5-127.5	0.2017E-05	75	0- 45	0.2054E-04	90-135	0.1625E-04
0-15.00	0.1461E-02	-7.5 TO 52.5	0.4334E-04	82.5-142.5	0.4244E-04	0	0- 60	0.1753E-03	90-150	0.1753E-03
15-30.00	0.4284E-02	-7.5 TO 52.5	0.3977E-04	82.5-142.5	0.3790E-04	15	0- 60	0.1699E-03	90-150	0.1643E-03
30-45.00	0.6814E-02	-7.5 TO 52.5	0.3252E-04	82.5-142.5	0.3010E-04	30	0- 60	0.1474E-03	90-150	0.1381E-03
45-60.00	0.8881E-02	-7.5 TO 52.5	0.2279E-04	82.5-142.5	0.2045E-04	45	0- 60	0.1122E-03	90-150	0.1018E-03
60-75.00	0.1034E-01	-7.5 TO 52.5	0.1210E-04	82.5-142.5	0.1032E-04	60	0- 60	0.7012E-04	90-150	0.6125E-04
75-86.56	0.8525E-02	-7.5 TO 52.5	0.2926E-05	82.5-142.5	0.1948E-05	75	0- 60	0.2704E-04	90-150	0.2124E-04
0-15.00	0.1826E-02	-7.5 TO 67.5	0.4328E-04	82.5-157.5	0.4237E-04	0	0- 75	0.2191E-03	90-165	0.2191E-03
15-30.00	0.5355E-02	-7.5 TO 67.5	0.3966E-04	82.5-157.5	0.3775E-04	15	0- 75	0.2119E-03	90-165	0.2050E-03
30-45.00	0.8518E-02	-7.5 TO 67.5	0.3236E-04	82.5-157.5	0.2991E-04	30	0- 75	0.1835E-03	90-165	0.1719E-03
45-60.00	0.1110E-01	-7.5 TO 67.5	0.2264E-04	82.5-157.5	0.2027E-04	45	0- 75	0.1393E-03	90-165	0.1264E-03
60-75.00	0.1293E-01	-7.5 TO 67.5	0.1198E-04	82.5-157.5	0.1019E-04	60	0- 75	0.8687E-04	90-165	0.7585E-04
75-86.56	0.1066E-01	-7.5 TO 67.5	0.2861E-05	82.5-157.5	0.1891E-05	75	0- 75	0.3328E-04	90-165	0.2609E-04
0-15.00	0.2192E-02	-7.5 TO 82.5	0.4322E-04	82.5-172.5	0.4231E-04	0	0- 90	0.2629E-03	90-180	0.2629E-03
15-30.00	0.6426E-02	-7.5 TO 82.5	0.3952E-04	82.5-172.5	0.3763E-04	15	0- 90	0.2536E-03	90-180	0.2455E-03
30-45.00	0.1022E-01	-7.5 TO 82.5	0.3218E-04	82.5-172.5	0.2975E-04	30	0- 90	0.2191E-03	90-180	0.2055E-03
45-60.00	0.1332E-01	-7.5 TO 82.5	0.2247E-04	82.5-172.5	0.2012E-04	45	0- 90	0.1660E-03	90-180	0.1509E-03
60-75.00	0.1551E-01	-7.5 TO 82.5	0.1185E-04	82.5-172.5	0.1008E-04	60	0- 90	0.1032E-03	90-180	0.9034E-04
75-86.56	0.1279E-01	-7.5 TO 82.5	0.2784E-05	82.5-172.5	0.1845E-05	75	0- 90	0.3924E-04	90-180	0.3088E-04
0-15.00	0.2557E-02	-7.5 TO 97.5	0.4314E-04	82.5-187.5	0.4226E-04	0	0-105	0.3067E-03	90-195	0.3067E-03
15-30.00	0.7496E-02	-7.5 TO 97.5	0.3937E-04	82.5-187.5	0.3754E-04	15	0-105	0.2951E-03	90-195	0.2860E-03
30-45.00	0.1193E-01	-7.5 TO 97.5	0.3199E-04	82.5-187.5	0.2963E-04	30	0-105	0.2562E-03	90-195	0.2392E-03
45-60.00	0.1554E-01	-7.5 TO 97.5	0.2228E-04	82.5-187.5	0.2001E-04	45	0-105	0.1921E-03	90-195	0.1754E-03
60-75.00	0.1810E-01	-7.5 TO 97.5	0.1170E-04	82.5-187.5	0.9995E-05	60	0-105	0.1191E-03	90-195	0.1048E-03
75-86.56	0.1492E-01	-7.5 TO 97.5	0.2700E-05	82.5-187.5	0.1810E-05	75	0-105	0.4491E-04	90-195	0.3567E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0420$ $\cosh \mu_2 = 12.3950$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 115.91$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3053E-03	-7.5 TO 7.5	0.6428E-04	82.5- 97.5	0.6282E-04	0	0- 15	0.6447E-04	90-105	0.6447E-04
15-30.00	0.1071E-02	-7.5 TO 7.5	0.5960E-04	82.5- 97.5	0.5657E-04	15	0- 15	0.6332E-04	90-105	0.6091E-04
30-45.00	0.1704E-02	-7.5 TO 7.5	0.4925E-04	82.5- 97.5	0.4533E-04	30	0- 15	0.5565E-04	90-105	0.5160E-04
45-60.00	0.2226E-02	-7.5 TO 7.5	0.3489E-04	82.5- 97.5	0.3111E-04	45	0- 15	0.4285E-04	90-105	0.3835E-04
60-75.00	0.2585E-02	-7.5 TO 7.5	0.1880E-04	82.5- 97.5	0.1596E-04	60	0- 15	0.2713E-04	90-105	0.2330E-04
75-86.56	0.2731E-02	-7.5 TO 7.5	0.4825E-05	82.5- 97.5	0.3255E-05	75	0- 15	0.1078E-04	90-105	0.8321E-05
0-15.00	0.7305E-03	-7.5 TO 22.5	0.6425E-04	82.5-112.5	0.6264E-04	0	0- 30	0.1289E-03	90-120	0.1289E-03
15-30.00	0.2142E-02	-7.5 TO 22.5	0.5955E-04	82.5-112.5	0.5619E-04	15	0- 30	0.1265E-03	90-120	0.1213E-03
30-45.00	0.3407E-02	-7.5 TO 22.5	0.4918E-04	82.5-112.5	0.4484E-04	30	0- 30	0.1110E-03	90-120	0.1023E-03
45-60.00	0.4446E-02	-7.5 TO 22.5	0.3483E-04	82.5-112.5	0.3064E-04	45	0- 30	0.8542E-04	90-120	0.7572E-04
60-75.00	0.5171E-02	-7.5 TO 22.5	0.1873E-04	82.5-112.5	0.1562E-04	60	0- 30	0.5403E-04	90-120	0.4579E-04
75-86.56	0.5463E-02	-7.5 TO 22.5	0.4796E-05	82.5-112.5	0.3078E-05	75	0- 30	0.2141E-04	90-120	0.1614E-04
0-15.00	0.1096E-02	-7.5 TO 37.5	0.6419E-04	82.5-127.5	0.6246E-04	0	0- 45	0.1934E-03	90-135	0.1934E-03
15-30.00	0.3213E-02	-7.5 TO 37.5	0.5943E-04	82.5-127.5	0.5582E-04	15	0- 45	0.1894E-03	90-135	0.1812E-03
30-45.00	0.5111E-02	-7.5 TO 37.5	0.4902E-04	82.5-127.5	0.4438E-04	30	0- 45	0.1660E-03	90-135	0.1522E-03
45-60.00	0.6661E-02	-7.5 TO 37.5	0.3467E-04	82.5-127.5	0.3020E-04	45	0- 45	0.1274E-03	90-135	0.1122E-03
60-75.00	0.7756E-02	-7.5 TO 37.5	0.1863E-04	82.5-127.5	0.1529E-04	60	0- 45	0.8046E-04	90-135	0.6758E-04
75-86.56	0.8194E-02	-7.5 TO 37.5	0.4730E-05	82.5-127.5	0.2931E-05	75	0- 45	0.3173E-04	90-135	0.2353E-04
0-15.00	0.1461E-02	-7.5 TO 52.5	0.6411E-04	82.5-142.5	0.6229E-04	0	0- 60	0.2579E-03	90-150	0.2579E-03
15-30.00	0.4284E-02	-7.5 TO 52.5	0.5925E-04	82.5-142.5	0.5549E-04	15	0- 60	0.2519E-03	90-150	0.2407E-03
30-45.00	0.6814E-02	-7.5 TO 52.5	0.4879E-04	82.5-142.5	0.4395E-04	30	0- 60	0.2202E-03	90-150	0.2015E-03
45-60.00	0.8881E-02	-7.5 TO 52.5	0.3445E-04	82.5-142.5	0.2980E-04	45	0- 60	0.1687E-03	90-150	0.1481E-03
60-75.00	0.1034E-01	-7.5 TO 52.5	0.1846E-04	82.5-142.5	0.1500E-04	60	0- 60	0.1062E-03	90-150	0.8879E-04
75-86.56	0.1092E-02	-7.5 TO 52.5	0.4632E-05	82.5-142.5	0.2810E-05	75	0- 60	0.4163E-04	90-150	0.3057E-04
0-15.00	0.1826E-02	-7.5 TO 67.5	0.6400E-04	82.5-157.5	0.6215E-04	0	0- 75	0.3223E-03	90-165	0.3223E-03
15-30.00	0.5355E-02	-7.5 TO 67.5	0.5901E-04	82.5-157.5	0.5519E-04	15	0- 75	0.3139E-03	90-165	0.3000E-03
30-45.00	0.8518E-02	-7.5 TO 67.5	0.4848E-04	82.5-157.5	0.4358E-04	30	0- 75	0.2736E-03	90-165	0.2504E-03
45-60.00	0.1110E-01	-7.5 TO 67.5	0.3415E-04	82.5-157.5	0.2945E-04	45	0- 75	0.2091E-03	90-165	0.1834E-03
60-75.00	0.1293E-01	-7.5 TO 67.5	0.1823E-04	82.5-157.5	0.1475E-04	60	0- 75	0.1313E-03	90-165	0.1096E-03
75-86.56	0.1066E-01	-7.5 TO 67.5	0.4507E-05	82.5-157.5	0.2708E-05	75	0- 75	0.5103E-04	90-165	0.3737E-04
0-15.00	0.2192E-02	-7.5 TO 82.5	0.6386E-04	82.5-172.5	0.6203E-04	0	0- 90	0.3868E-03	90-180	0.3868E-03
15-30.00	0.6426E-02	-7.5 TO 82.5	0.5873E-04	82.5-172.5	0.5495E-04	15	0- 90	0.3753E-03	90-180	0.3591E-03
30-45.00	0.1022E-01	-7.5 TO 82.5	0.4812E-04	82.5-172.5	0.4327E-04	30	0- 90	0.3262E-03	90-180	0.2990E-03
45-60.00	0.1332E-01	-7.5 TO 82.5	0.3380E-04	82.5-172.5	0.2916E-04	45	0- 90	0.2485E-03	90-180	0.2185E-03
60-75.00	0.1551E-01	-7.5 TO 82.5	0.1797E-04	82.5-172.5	0.1454E-04	60	0- 90	0.1554E-03	90-180	0.1302E-03
75-86.56	0.1276E-01	-7.5 TO 82.5	0.4362E-05	82.5-172.5	0.2626E-05	75	0- 90	0.5989E-04	90-180	0.4405E-04
0-15.00	0.2557E-02	-7.5 TO 97.5	0.6371E-04	82.5-187.5	0.6194E-04	0	0-105	0.4513E-03	90-195	0.4513E-03
15-30.00	0.7496E-02	-7.5 TO 97.5	0.5863E-04	82.5-187.5	0.5476E-04	15	0-105	0.4363E-03	90-195	0.4182E-03
30-45.00	0.1193E-01	-7.5 TO 97.5	0.4773E-04	82.5-187.5	0.4303E-04	30	0-105	0.3778E-03	90-195	0.3476E-03
45-60.00	0.1554E-01	-7.5 TO 97.5	0.3342E-04	82.5-187.5	0.2894E-04	45	0-105	0.2868E-03	90-195	0.2536E-03
60-75.00	0.1810E-01	-7.5 TO 97.5	0.1768E-04	82.5-187.5	0.1438E-04	60	0-105	0.1787E-03	90-195	0.1508E-03
75-86.56	0.1492E-01	-7.5 TO 97.5	0.4204E-05	82.5-187.5	0.2564E-05	75	0-105	0.6821E-04	90-195	0.5074E-04

$r_2/r_1 = 0.40$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0420$ $\cosh \mu_2 = 12.3950$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 100.48$

0-15.00	0.3053E-03	-7.5 TO 7.5	0.7876E-04	82.5- 97.5	0.7645E-04	0	0- 15	0.7844E-04	90-105	0.7844E-04
15-30.00	0.1071E-02	-7.5 TO 7.5	0.7367E-04	82.5- 97.5	0.6885E-04	15	0- 15	0.7785E-04	90-105	0.7403E-04
30-45.00	0.1704E-02	-7.5 TO 7.5	0.6140E-04	82.5- 97.5	0.5520E-04	30	0- 15	0.6908E-04	90-105	0.6265E-04
45-60.00	0.2226E-02	-7.5 TO 7.5	0.4385E-04	82.5- 97.5	0.3791E-04	45	0- 15	0.5363E-04	90-105	0.4653E-04
60-75.00	0.2585E-02	-7.5 TO 7.5	0.2382E-04	82.5- 97.5	0.1947E-04	60	0- 15	0.3423E-04	90-105	0.2827E-04
75-86.56	0.2731E-02	-7.5 TO 7.5	0.6272E-05	82.5- 97.5	0.3987E-05	75	0- 15	0.1378E-04	90-105	0.1010E-04
0-15.00	0.7305E-03	-7.5 TO 22.5	0.7872E-04	82.5-112.5	0.7615E-04	0	0- 30	0.1569E-03	90-120	0.1569E-03
15-30.00	0.2142E-02	-7.5 TO 22.5	0.7359E-04	82.5-112.5	0.6824E-04	15	0- 30	0.1555E-03	90-120	0.1472E-03
30-45.00	0.3407E-02	-7.5 TO 22.5	0.6130E-04	82.5-112.5	0.5443E-04	30	0- 30	0.1378E-03	90-120	0.1239E-03
45-60.00	0.4446E-02	-7.5 TO 22.5	0.4374E-04	82.5-112.5	0.3718E-04	45	0- 30	0.1068E-03	90-120	0.9154E-04
60-75.00	0.5171E-02	-7.5 TO 22.5	0.2374E-04	82.5-112.5	0.1895E-04	60	0- 30	0.6808E-04	90-120	0.5530E-04
75-86.56	0.5463E-02	-7.5 TO 22.5	0.6229E-05	82.5-112.5	0.3738E-05	75	0- 30	0.2732E-04	90-120	0.1946E-04
0-15.00	0.1096E-02	-7.5 TO 37.5	0.7863E-04	82.5-127.5	0.7587E-04	0	0- 45	0.2353E-03	90-135	0.2353E-03
15-30.00	0.3213E-02	-7.5 TO 37.5	0.7340E-04	82.5-127.5	0.6767E-04	15	0- 45	0.2326E-03	90-135	0.2196E-03
30-45.00	0.5111E-02	-7.5 TO 37.5	0.6105E-04	82.5-127.5	0.5370E-04	30	0- 45	0.2057E-03	90-135	0.1839E-03
45-60.00	0.6661E-02	-7.5 TO 37.5	0.4350E-04	82.5-127.5	0.3650E-04	45	0- 45	0.1592E-03	90-135	0.1382E-03
60-75.00	0.7756E-02	-7.5 TO 37.5	0.2357E-04	82.5-127.5	0.1847E-04	60	0- 45	0.1012E-03	90-135	0.8124E-04
75-86.56	0.8194E-02	-7.5 TO 37.5	0.6132E-05	82.5-127.5	0.3535E-05	75	0- 45	0.4039E-04	90-135	0.2820E-04
0-15.00	0.1461E-02	-7.5 TO 52.5	0.7849E-04	82.5-142.5	0.7561E-04	0	0- 60	0.3138E-03	90-150	0.3138E-03
15-30.00	0.4284E-02	-7.5 TO 52.5	0.7311E-04	82.5-142.5	0.6714E-04	15	0- 60	0.3092E-03	90-150	0.2914E-03
30-45.00	0.6814E-02	-7.5 TO 52.5	0.6067E-04	82.5-142.5	0.5303E-04	30	0- 60	0.2725E-03	90-150	0.2429E-03
45-60.00	0.8881E-02	-7.5 TO 52.5	0.4314E-04	82.5-142.5	0.3588E-04	45	0- 60	0.2103E-03	90-150	0.1778E-03
60-75.00	0.1034E-01	-7.5 TO 52.5	0.2330E-04	82.5-142.5	0.1803E-04	60	0- 60	0.1333E-03	90-150	0.1063E-03
75-86.56	0.1092E-02	-7.5 TO 52.5	0.5987E-05	82.5-142.5	0.3366E-05	75	0- 60	0.5284E-04	90-150	0.3646E-04
0-15.00	0.1826E-02	-7.5 TO 67.5	0.7831E-04	82.5-157.5	0.7538E-04	0	0- 75	0.3922E-03	90-165	0.3922E-03
15-30.00	0.5355E-02	-7.5 TO 67.5	0.7274E-04	82.5-157.5	0.6667E-04	15	0- 75	0.3849E-03	90-165	0.3628E-03
30-45.00	0.8518E-02	-7.5 TO 67.5	0.6019E-04	82.5-157.5	0.5245E-04	30	0- 75	0.3381E-03	90-165	0.3012E-03
45-60.00	0.1110E-01	-7.5 TO 67.5	0.4268E-04	82.5-157.5	0.3534E-04	45	0- 75	0.2600E-03	90-165	0.2196E-03
60-75.00	0.1293E-01	-7.5 TO 67.5	0.2295E-04	82.5-157.5	0.1765E-04	60	0- 75	0.1642E-03	90-165	0.1308E-03
75-86.56	0.1066E-01	-7.5 TO 67.5	0.5803E-05	82.5-157.5	0.3226E-05	75	0- 75	0.6453E-04	90-165	0.4437E-04
0-15.00	0.2192E-02	-7.5 TO 82.5	0.7810E-04	82.5-172.5	0.7519E-04	0	0- 90	0.4706E-03	90-180	0.4706E-03
15-30.00	0.6426E-02	-7.5 TO 82.5	0.7229E-04	82.5-172.5	0.6629E-04	15	0- 90	0.4598E-03	90-180	0.4340E-03
30-45.00	0.1022E-01	-7.5 TO 82.5	0.5962E-04	82.5-172.5	0.5196E-04	30	0- 90	0.4022E-03	90-180	0.3591E-03
45-60.00	0.1332E-01	-7.5 TO 82.5	0.4213E-04	82.5-172.5	0.3489E-04	45	0- 90	0.3082E-03	90-180	0.2611E-03
60-75.00	0.1551E-01	-7.5 TO 82.5	0.2255E-04	82.5-172.5	0.1734E-04	60	0- 90	0.1938E-03	90-180	0.1550E-03
75-86.56	0.1276E-01	-7.5 TO 82.5	0.5591E-05	82.5-172.5	0.3113E-05	75	0- 90	0.7542E-04	90-180	0.5212E-04
0-15.00	0.2557E-02	-7.5 TO 97.5	0.7786E-04	82.5-187.5	0.7504E-04	0	0-105	0.5491E-03	90-195	0.5491E-03
15-30.00	0.7496E-02	-7.5 TO 97.5	0.7180E-04	82.5-187.5	0.6599E-04	15	0-105	0.5339E-03	90-195	0.5051E-03
30-45.00	0.1193E-01	-7.5 TO 97.5	0.5899E-04	82.5-187.5	0.5159E-04	30	0-105	0.4668E-03	90-195	0.4171E-03
45-60.00	0.1554E-01	-7.5 TO 97.5	0.4153E-04	82.5-187.5	0.3455E-04	45	0-105	0.3547E-03	90-195	0.3026E-03
60-75.00	0.1810E-01	-7.5 TO 97.5	0.2211E-04	82.5-187.5	0.1710E-04	60	0-105	0.2221E-03	90-195	0.1791E-03
75-86.56	0.1492E-01	-7.5 TO 97.5	0.5362E-05	82.5-187.5	0.3027E-05	75	0-105	0.8552E-04	90-195	0.5986E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0420$ $\cosh \mu_2 = 12.3950$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 85.37$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3653E-03	-7.5 TO 7.5	0.8327E-04	82.5- 97.5	0.8021E-04	0	0- 15	0.8230E-04	90-105	0.8230E-04
15-30.00	0.1071E-02	-7.5 TO 7.5	0.7868E-04	82.5- 97.5	0.7226E-04	15	0- 15	0.8262E-04	90-105	0.7757E-04
30-45.00	0.1764E-02	-7.5 TO 7.5	0.6624E-04	82.5- 97.5	0.5795E-04	30	0- 15	0.7413E-04	90-105	0.6558E-04
45-60.00	0.2226E-02	-7.5 TO 7.5	0.4768E-04	82.5- 97.5	0.3982E-04	45	0- 15	0.5810E-04	90-105	0.4867E-04
60-75.00	0.2565E-02	-7.5 TO 7.5	0.2608E-04	82.5- 97.5	0.2046E-04	60	0- 15	0.3736E-04	90-105	0.2957E-04
75-86.56	0.2131E-02	-7.5 TO 7.5	0.0948E-05	82.5- 97.5	0.4198E-05	75	0- 15	0.1515E-04	90-105	0.1056E-04
0-15.00	0.1305E-03	-7.5 TO 22.5	0.8321E-04	82.5-112.5	0.7983E-04	0	0- 30	0.1646E-03	90-120	0.1646E-03
15-30.00	0.2142E-02	-7.5 TO 22.5	0.7856E-04	82.5-112.5	0.7147E-04	15	0- 30	0.1649E-03	90-120	0.1540E-03
30-45.00	0.3467E-02	-7.5 TO 22.5	0.6609E-04	82.5-112.5	0.5696E-04	30	0- 30	0.1477E-03	90-120	0.1294E-03
45-60.00	0.4440E-02	-7.5 TO 22.5	0.4754E-04	82.5-112.5	0.3890E-04	45	0- 30	0.1156E-03	90-120	0.9543E-04
60-75.00	0.5171E-02	-7.5 TO 22.5	0.2598E-04	82.5-112.5	0.1983E-04	60	0- 30	0.7421E-04	90-120	0.5760E-04
75-86.56	0.4263E-02	-7.5 TO 22.5	0.6895E-05	82.5-112.5	0.3915E-05	75	0- 30	0.3000E-04	90-120	0.2026E-04
0-15.00	0.1096E-02	-7.5 TO 37.5	0.8309E-04	82.5-127.5	0.7946E-04	0	0- 45	0.2469E-03	90-135	0.2469E-03
15-30.00	0.3213E-02	-7.5 TO 37.5	0.7831E-04	82.5-127.5	0.7073E-04	15	0- 45	0.2466E-03	90-135	0.2295E-03
30-45.00	0.5111E-02	-7.5 TO 37.5	0.6575E-04	82.5-127.5	0.5603E-04	30	0- 45	0.2203E-03	90-135	0.1916E-03
45-60.00	0.6661E-02	-7.5 TO 37.5	0.4722E-04	82.5-127.5	0.3805E-04	45	0- 45	0.1720E-03	90-135	0.1405E-03
60-75.00	0.7756E-02	-7.5 TO 37.5	0.2574E-04	82.5-127.5	0.1924E-04	60	0- 45	0.1101E-03	90-135	0.8431E-04
75-86.56	0.6354E-02	-7.5 TO 37.5	0.6775E-05	82.5-127.5	0.3685E-05	75	0- 45	0.4425E-04	90-135	0.2925E-04
0-15.00	0.1461E-02	-7.5 TO 52.5	0.8291E-04	82.5-142.5	0.7913E-04	0	0- 60	0.3292E-03	90-150	0.3292E-03
15-30.00	0.4284E-02	-7.5 TO 52.5	0.7792E-04	82.5-142.5	0.7006E-04	15	0- 60	0.3275E-03	90-150	0.3043E-03
30-45.00	0.6814E-02	-7.5 TO 52.5	0.6527E-04	82.5-142.5	0.5520E-04	30	0- 60	0.2914E-03	90-150	0.2526E-03
45-60.00	0.8861E-02	-7.5 TO 52.5	0.4678E-04	82.5-142.5	0.3728E-04	45	0- 60	0.2268E-03	90-150	0.1843E-03
60-75.00	0.1034E-01	-7.5 TO 52.5	0.2544E-04	82.5-142.5	0.1872E-04	60	0- 60	0.1448E-03	90-150	0.1100E-03
75-86.56	0.8525E-02	-7.5 TO 52.5	0.6613E-05	82.5-142.5	0.3496E-05	75	0- 60	0.5781E-04	90-150	0.3768E-04
0-15.00	0.1822E-02	-7.5 TO 67.5	0.8267E-04	82.5-157.5	0.7884E-04	0	0- 75	0.4115E-03	90-165	0.4115E-03
15-30.00	0.5355E-02	-7.5 TO 67.5	0.7741E-04	82.5-157.5	0.6947E-04	15	0- 75	0.4073E-03	90-165	0.3784E-03
30-45.00	0.8518E-02	-7.5 TO 67.5	0.6459E-04	82.5-157.5	0.5447E-04	30	0- 75	0.3608E-03	90-165	0.3127E-03
45-60.00	0.1110E-01	-7.5 TO 67.5	0.4611E-04	82.5-157.5	0.3662E-04	45	0- 75	0.2795E-03	90-165	0.2272E-03
60-75.00	0.1293E-01	-7.5 TO 67.5	0.2494E-04	82.5-157.5	0.1828E-04	60	0- 75	0.1776E-03	90-165	0.1350E-03
75-86.56	0.1066E-01	-7.5 TO 67.5	0.6372E-05	82.5-157.5	0.3340E-05	75	0- 75	0.7021E-04	90-165	0.4574E-04
0-15.00	0.2192E-02	-7.5 TO 82.5	0.8239E-04	82.5-172.5	0.7859E-04	0	0- 90	0.4938E-03	90-180	0.4938E-03
15-30.00	0.6426E-02	-7.5 TO 82.5	0.7682E-04	82.5-172.5	0.6898E-04	15	0- 90	0.4861E-03	90-180	0.4523E-03
30-45.00	0.1022E-01	-7.5 TO 82.5	0.6383E-04	82.5-172.5	0.5387E-04	30	0- 90	0.4283E-03	90-180	0.3723E-03
45-60.00	0.1332E-01	-7.5 TO 82.5	0.4538E-04	82.5-172.5	0.3608E-04	45	0- 90	0.3303E-03	90-180	0.2696E-03
60-75.00	0.1551E-01	-7.5 TO 82.5	0.2442E-04	82.5-172.5	0.1791E-04	60	0- 90	0.2088E-03	90-180	0.1596E-03
75-86.56	0.1279E-01	-7.5 TO 82.5	0.6116E-05	82.5-172.5	0.3215E-05	75	0- 90	0.8173E-04	90-180	0.5362E-04
0-15.00	0.2557E-02	-7.5 TO 97.5	0.8208E-04	82.5-187.5	0.7841E-04	0	0-105	0.5761E-03	90-195	0.5761E-03
15-30.00	0.7496E-02	-7.5 TO 97.5	0.7617E-04	82.5-187.5	0.6861E-04	15	0-105	0.5636E-03	90-195	0.5262E-03
30-45.00	0.1193E-01	-7.5 TO 97.5	0.6299E-04	82.5-187.5	0.5341E-04	30	0-105	0.4938E-03	90-195	0.4320E-03
45-60.00	0.1554E-01	-7.5 TO 97.5	0.4459E-04	82.5-187.5	0.3566E-04	45	0-105	0.3789E-03	90-195	0.3120E-03
60-75.00	0.1810E-01	-7.5 TO 97.5	0.2386E-04	82.5-187.5	0.1763E-04	60	0-105	0.2384E-03	90-195	0.1843E-03
75-86.56	0.1492E-01	-7.5 TO 97.5	0.5842E-05	82.5-187.5	0.3119E-05	75	0-105	0.9229E-04	90-195	0.6149E-04

$r_2/r_1 = 0.40$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0420$ $\cosh \mu_2 = 12.3950$ $\alpha_{2,max} = 93.44$ $\theta_{2,min} = 81.95$

0-15.00	0.3653E-03	-7.5 TO 7.5	0.8327E-04	82.5- 97.5	0.8021E-04	0	0- 15	0.8230E-04	90-105	0.8230E-04
15-30.00	0.1071E-02	-7.5 TO 7.5	0.7868E-04	82.5- 97.5	0.7226E-04	15	0- 15	0.8262E-04	90-105	0.7757E-04
30-45.00	0.1764E-02	-7.5 TO 7.5	0.6624E-04	82.5- 97.5	0.5795E-04	30	0- 15	0.7414E-04	90-105	0.6558E-04
45-60.00	0.2226E-02	-7.5 TO 7.5	0.4770E-04	82.5- 97.5	0.3982E-04	45	0- 15	0.5816E-04	90-105	0.4867E-04
60-75.00	0.2565E-02	-7.5 TO 7.5	0.2615E-04	82.5- 97.5	0.2046E-04	60	0- 15	0.3743E-04	90-105	0.2957E-04
75-86.56	0.2131E-02	-7.5 TO 7.5	0.6972E-05	82.5- 97.5	0.4198E-05	75	0- 15	0.1520E-04	90-105	0.1056E-04
0-15.00	0.1305E-03	-7.5 TO 22.5	0.8321E-04	82.5-112.5	0.7983E-04	0	0- 30	0.1646E-03	90-120	0.1646E-03
15-30.00	0.2142E-02	-7.5 TO 22.5	0.7857E-04	82.5-112.5	0.7147E-04	15	0- 30	0.1649E-03	90-120	0.1540E-03
30-45.00	0.3467E-02	-7.5 TO 22.5	0.6612E-04	82.5-112.5	0.5696E-04	30	0- 30	0.1477E-03	90-120	0.1294E-03
45-60.00	0.4440E-02	-7.5 TO 22.5	0.4761E-04	82.5-112.5	0.3890E-04	45	0- 30	0.1157E-03	90-120	0.9543E-04
60-75.00	0.5171E-02	-7.5 TO 22.5	0.2604E-04	82.5-112.5	0.1983E-04	60	0- 30	0.7434E-04	90-120	0.5760E-04
75-86.56	0.4263E-02	-7.5 TO 22.5	0.6917E-05	82.5-112.5	0.3915E-05	75	0- 30	0.3008E-04	90-120	0.2026E-04
0-15.00	0.1096E-02	-7.5 TO 37.5	0.8309E-04	82.5-127.5	0.7946E-04	0	0- 45	0.2469E-03	90-135	0.2469E-03
15-30.00	0.3213E-02	-7.5 TO 37.5	0.7831E-04	82.5-127.5	0.7073E-04	15	0- 45	0.2466E-03	90-135	0.2295E-03
30-45.00	0.5111E-02	-7.5 TO 37.5	0.6573E-04	82.5-127.5	0.5603E-04	30	0- 45	0.2203E-03	90-135	0.1916E-03
45-60.00	0.6661E-02	-7.5 TO 37.5	0.4728E-04	82.5-127.5	0.3805E-04	45	0- 45	0.1721E-03	90-135	0.1405E-03
60-75.00	0.7756E-02	-7.5 TO 37.5	0.2580E-04	82.5-127.5	0.1924E-04	60	0- 45	0.1103E-03	90-135	0.8431E-04
75-86.56	0.6354E-02	-7.5 TO 37.5	0.6794E-05	82.5-127.5	0.3685E-05	75	0- 45	0.4435E-04	90-135	0.2925E-04
0-15.00	0.1461E-02	-7.5 TO 52.5	0.8291E-04	82.5-142.5	0.7913E-04	0	0- 60	0.3292E-03	90-150	0.3292E-03
15-30.00	0.4284E-02	-7.5 TO 52.5	0.7792E-04	82.5-142.5	0.7006E-04	15	0- 60	0.3275E-03	90-150	0.3043E-03
30-45.00	0.6814E-02	-7.5 TO 52.5	0.6527E-04	82.5-142.5	0.5520E-04	30	0- 60	0.2914E-03	90-150	0.2526E-03
45-60.00	0.8861E-02	-7.5 TO 52.5	0.4678E-04	82.5-142.5	0.3728E-04	45	0- 60	0.2268E-03	90-150	0.1843E-03
60-75.00	0.1034E-01	-7.5 TO 52.5	0.2544E-04	82.5-142.5	0.1872E-04	60	0- 60	0.1448E-03	90-150	0.1100E-03
75-86.56	0.8525E-02	-7.5 TO 52.5	0.6613E-05	82.5-142.5	0.3496E-05	75	0- 60	0.5781E-04	90-150	0.3768E-04
0-15.00	0.1822E-02	-7.5 TO 67.5	0.8267E-04	82.5-157.5	0.7884E-04	0	0- 75	0.4115E-03	90-165	0.4115E-03
15-30.00	0.5355E-02	-7.5 TO 67.5	0.7741E-04	82.5-157.5	0.6947E-04	15	0- 75	0.4073E-03	90-165	0.3784E-03
30-45.00	0.8518E-02	-7.5 TO 67.5	0.6461E-04	82.5-157.5	0.5447E-04	30	0- 75	0.3608E-03	90-165	0.3127E-03
45-60.00	0.1110E-01	-7.5 TO 67.5	0.4615E-04	82.5-157.5	0.3662E-04	45	0- 75	0.2796E-03	90-165	0.2272E-03
60-75.00	0.1293E-01	-7.5 TO 67.5	0.2498E-04	82.5-157.5	0.1828E-04	60	0- 75	0.1778E-03	90-165	0.1350E-03
75-86.56	0.1066E-01	-7.5 TO 67.5	0.6385E-05	82.5-157.5	0.3340E-05	75	0- 75	0.7032E-04	90-165	0.4574E-04
0-15.00	0.2192E-02	-7.5 TO 82.5	0.8239E-04	82.5-172.5	0.7859E-04	0	0- 90	0.4938E-03	90-180	0.4938E-03
15-30.00	0.6426E-02	-7.5 TO 82.5	0.7682E-04	82.5-172.5	0.6898E-04	15	0- 90	0.4861E-03	90-180	0.4523E-03
30-45.00	0.1022E-01	-7.5 TO 82.5	0.6384E-04	82.5-172.5	0.5387E-04	30	0- 90	0.4283E-03	90-180	0.3723E-03
45-60.00	0.1332E-01	-7.5 TO 82.5	0.4542E-04	82.5-172.5	0.3608E-04	45	0- 90	0.3304E-03	90-180	0.2696E-03
60-75.00	0.1551E-01	-7.5 TO 82.5	0.2445E-04	82.5-172.5	0.1791E-04	60	0- 90	0.2090E-03	90-180	0.1596E-03
75-86.56	0.1279E-01	-7.5 TO 82.5	0.6127E-05	82.5-172.5	0.3215E-05	75	0- 90	0.8184E-04	90-180	0.5362E-04
0-15.00	0.2557E-02	-7.5 TO 97.5	0.8208E-04	82.5-187.5	0.7841E-04	0	0-105	0.5761E-03	90-195	0.5761E-03
15-30.00	0.7496E-02	-7.5 TO 97.5	0.7617E-04	82.5-187.5	0.6861E-04	15	0-105	0.5636E-03	90-195	0.5262E-03
30-45.00	0.1193E-01	-7.5 TO 97.5	0.6300E-04	82.5-187.5	0.5341E-04	30	0-105	0.4938E-03	90-195	0.4320E-03
45-60.00	0.1554E-01	-7.5 TO 97.5	0.4462E-04	82.5-187.5	0.3566E-04	45	0-105	0.3790E-03	90-195	0.3120E-03
60-75.00	0.1810E-01	-7.5 TO 97.5	0.2388E-04	82.5-187.5	0.1763E-04	60	0-105	0.2386E-03	90-195	0.1843E-03
75-86.56	0.1492E-01	-7.5 TO 97.5	0.5851E-05	82.5-187.5	0.3119E-05	75	0-105	0.9240E-04	90-195	0.6149E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0210$ $\cosh \mu_2 = 24.9475$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.39$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8573E-04	-7.5 TO 7.5	0.1265E-05	82.5- 97.5	0.1262E-05	0	0- 15	0.1289E-05	90-105	0.1289E-05
15-30.00	0.2631E-03	-7.5 TO 7.5	0.1163E-05	82.5- 97.5	0.1158E-05	15	0- 15	0.1240E-05	90-105	0.1235E-05
30-45.00	0.4185E-03	-7.5 TO 7.5	0.9726E-06	82.5- 97.5	0.9639E-06	30	0- 15	0.1090E-05	90-105	0.1081E-05
45-60.00	0.5454E-03	-7.5 TO 7.5	0.7119E-06	82.5- 97.5	0.7028E-06	45	0- 15	0.8572E-06	90-105	0.8468E-06
60-75.00	0.6351E-03	-7.5 TO 7.5	0.4110E-06	82.5- 97.5	0.4034E-06	60	0- 15	0.5695E-06	90-105	0.5598E-06
75-88.28	0.6925E-03	-7.5 TO 7.5	0.1180E-06	82.5- 97.5	0.1132E-06	75	0- 15	0.2562E-06	90-105	0.2490E-06
0-15.00	0.1755E-03	-7.5 TO 22.5	0.1265E-05	82.5-112.5	0.1262E-05	0	0- 30	0.2578E-05	90-120	0.2578E-05
15-30.00	0.5261E-03	-7.5 TO 22.5	0.1163E-05	82.5-112.5	0.1157E-05	15	0- 30	0.2479E-05	90-120	0.2468E-05
30-45.00	0.8369E-03	-7.5 TO 22.5	0.9725E-06	82.5-112.5	0.9628E-06	30	0- 30	0.2179E-05	90-120	0.2160E-05
45-60.00	0.1091E-02	-7.5 TO 22.5	0.7118E-06	82.5-112.5	0.7016E-06	45	0- 30	0.1714E-05	90-120	0.1691E-05
60-75.00	0.1270E-02	-7.5 TO 22.5	0.4109E-06	82.5-112.5	0.4024E-06	60	0- 30	0.1138E-05	90-120	0.1117E-05
75-88.28	0.1385E-02	-7.5 TO 22.5	0.1180E-06	82.5-112.5	0.1126E-06	75	0- 30	0.5120E-06	90-120	0.4963E-06
0-15.00	0.2632E-03	-7.5 TO 37.5	0.1265E-05	82.5-127.5	0.1261E-05	0	0- 45	0.3867E-05	90-135	0.3867E-05
15-30.00	0.7892E-03	-7.5 TO 37.5	0.1164E-05	82.5-127.5	0.1157E-05	15	0- 45	0.3718E-05	90-135	0.3701E-05
30-45.00	0.1255E-02	-7.5 TO 37.5	0.9721E-06	82.5-127.5	0.9617E-06	30	0- 45	0.3267E-05	90-135	0.3237E-05
45-60.00	0.1636E-02	-7.5 TO 37.5	0.7114E-06	82.5-127.5	0.7005E-06	45	0- 45	0.2569E-05	90-135	0.2534E-05
60-75.00	0.1905E-02	-7.5 TO 37.5	0.4106E-06	82.5-127.5	0.4015E-06	60	0- 45	0.1706E-05	90-135	0.1673E-05
75-88.28	0.1860E-02	-7.5 TO 37.5	0.1178E-06	82.5-127.5	0.1120E-06	75	0- 45	0.7670E-06	90-135	0.7422E-06
0-15.00	0.3585E-03	-7.5 TO 52.5	0.1265E-05	82.5-142.5	0.1261E-05	0	0- 60	0.5156E-05	90-150	0.5156E-05
15-30.00	0.1052E-02	-7.5 TO 52.5	0.1164E-05	82.5-142.5	0.1156E-05	15	0- 60	0.4956E-05	90-150	0.4933E-05
30-45.00	0.1674E-02	-7.5 TO 52.5	0.9716E-06	82.5-142.5	0.9607E-06	30	0- 60	0.4353E-05	90-150	0.4312E-05
45-60.00	0.2181E-02	-7.5 TO 52.5	0.7109E-06	82.5-142.5	0.6995E-06	45	0- 60	0.3423E-05	90-150	0.3374E-05
60-75.00	0.2540E-02	-7.5 TO 52.5	0.4101E-06	82.5-142.5	0.4006E-06	60	0- 60	0.2272E-05	90-150	0.2227E-05
75-88.28	0.2410E-02	-7.5 TO 52.5	0.1175E-06	82.5-142.5	0.1114E-06	75	0- 60	0.1021E-05	90-150	0.9869E-06
0-15.00	0.4466E-03	-7.5 TO 67.5	0.1265E-05	82.5-157.5	0.1261E-05	0	0- 75	0.6445E-05	90-165	0.6445E-05
15-30.00	0.1314E-02	-7.5 TO 67.5	0.1163E-05	82.5-157.5	0.1155E-05	15	0- 75	0.6193E-05	90-165	0.6164E-05
30-45.00	0.2092E-02	-7.5 TO 67.5	0.9709E-06	82.5-157.5	0.9598E-06	30	0- 75	0.5438E-05	90-165	0.5387E-05
45-60.00	0.2727E-02	-7.5 TO 67.5	0.7102E-06	82.5-157.5	0.6986E-06	45	0- 75	0.4274E-05	90-165	0.4214E-05
60-75.00	0.3175E-02	-7.5 TO 67.5	0.4095E-06	82.5-157.5	0.3998E-06	60	0- 75	0.2837E-05	90-165	0.2780E-05
75-88.28	0.3013E-02	-7.5 TO 67.5	0.1171E-06	82.5-157.5	0.1109E-06	75	0- 75	0.1273E-05	90-165	0.1231E-05
0-15.00	0.5364E-03	-7.5 TO 82.5	0.1264E-05	82.5-172.5	0.1260E-05	0	0- 90	0.7734E-05	90-180	0.7734E-05
15-30.00	0.1578E-02	-7.5 TO 82.5	0.1163E-05	82.5-172.5	0.1155E-05	15	0- 90	0.7429E-05	90-180	0.7395E-05
30-45.00	0.2511E-02	-7.5 TO 82.5	0.9701E-06	82.5-172.5	0.9591E-06	30	0- 90	0.6521E-05	90-180	0.6461E-05
45-60.00	0.3272E-02	-7.5 TO 82.5	0.7093E-06	82.5-172.5	0.6979E-06	45	0- 90	0.5123E-05	90-180	0.5052E-05
60-75.00	0.3811E-02	-7.5 TO 82.5	0.4088E-06	82.5-172.5	0.3992E-06	60	0- 90	0.3399E-05	90-180	0.3332E-05
75-88.28	0.3615E-02	-7.5 TO 82.5	0.1167E-06	82.5-172.5	0.1106E-06	75	0- 90	0.1524E-05	90-180	0.1474E-05
0-15.00	0.6281E-03	-7.5 TO 97.5	0.1264E-05	82.5-187.5	0.1260E-05	0	0-105	0.9022E-05	90-195	0.9022E-05
15-30.00	0.1841E-02	-7.5 TO 97.5	0.1162E-05	82.5-187.5	0.1154E-05	15	0-105	0.8664E-05	90-195	0.8626E-05
30-45.00	0.2929E-02	-7.5 TO 97.5	0.9692E-06	82.5-187.5	0.9585E-06	30	0-105	0.7602E-05	90-195	0.7535E-05
45-60.00	0.3818E-02	-7.5 TO 97.5	0.7084E-06	82.5-187.5	0.6973E-06	45	0-105	0.5970E-05	90-195	0.5891E-05
60-75.00	0.4446E-02	-7.5 TO 97.5	0.4081E-06	82.5-187.5	0.3987E-06	60	0-105	0.3958E-05	90-195	0.3885E-05
75-88.28	0.4218E-02	-7.5 TO 97.5	0.1162E-06	82.5-187.5	0.1102E-06	75	0-105	0.1773E-05	90-195	0.1718E-05

$r_2/r_1 = 0.40$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0210$ $\cosh \mu_2 = 24.9475$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 148.83$

0-15.00	0.8573E-04	-7.5 TO 7.5	0.4712E-05	82.5- 97.5	0.4690E-05	0	0- 15	0.4789E-05	90-105	0.4789E-05
15-30.00	0.2631E-03	-7.5 TO 7.5	0.4352E-05	82.5- 97.5	0.4304E-05	15	0- 15	0.4624E-05	90-105	0.4586E-05
30-45.00	0.4185E-03	-7.5 TO 7.5	0.3647E-05	82.5- 97.5	0.3582E-05	30	0- 15	0.4078E-05	90-105	0.4012E-05
45-60.00	0.5454E-03	-7.5 TO 7.5	0.2680E-05	82.5- 97.5	0.2612E-05	45	0- 15	0.3220E-05	90-105	0.3142E-05
60-75.00	0.6351E-03	-7.5 TO 7.5	0.1556E-05	82.5- 97.5	0.1499E-05	60	0- 15	0.2149E-05	90-105	0.2076E-05
75-88.28	0.6925E-03	-7.5 TO 7.5	0.4564E-06	82.5- 97.5	0.4208E-06	75	0- 15	0.9761E-06	90-105	0.9224E-06
0-15.00	0.1755E-03	-7.5 TO 22.5	0.4712E-05	82.5-112.5	0.4687E-05	0	0- 30	0.9579E-05	90-120	0.9579E-05
15-30.00	0.5261E-03	-7.5 TO 22.5	0.4351E-05	82.5-112.5	0.4297E-05	15	0- 30	0.9245E-05	90-120	0.9164E-05
30-45.00	0.8369E-03	-7.5 TO 22.5	0.3646E-05	82.5-112.5	0.3573E-05	30	0- 30	0.8153E-05	90-120	0.8010E-05
45-60.00	0.1091E-02	-7.5 TO 22.5	0.2679E-05	82.5-112.5	0.2603E-05	45	0- 30	0.6435E-05	90-120	0.6267E-05
60-75.00	0.1270E-02	-7.5 TO 22.5	0.1555E-05	82.5-112.5	0.1492E-05	60	0- 30	0.4293E-05	90-120	0.4136E-05
75-88.28	0.1385E-02	-7.5 TO 22.5	0.4558E-06	82.5-112.5	0.4163E-06	75	0- 30	0.1949E-05	90-120	0.1833E-05
0-15.00	0.2632E-03	-7.5 TO 37.5	0.4711E-05	82.5-127.5	0.4684E-05	0	0- 45	0.1437E-04	90-135	0.1437E-04
15-30.00	0.7892E-03	-7.5 TO 37.5	0.4349E-05	82.5-127.5	0.4291E-05	15	0- 45	0.1386E-04	90-135	0.1373E-04
30-45.00	0.1255E-02	-7.5 TO 37.5	0.3644E-05	82.5-127.5	0.3565E-05	30	0- 45	0.1222E-04	90-135	0.1199E-04
45-60.00	0.1636E-02	-7.5 TO 37.5	0.2676E-05	82.5-127.5	0.2595E-05	45	0- 45	0.9641E-05	90-135	0.9376E-05
60-75.00	0.1905E-02	-7.5 TO 37.5	0.1553E-05	82.5-127.5	0.1485E-05	60	0- 45	0.6429E-05	90-135	0.6182E-05
75-88.28	0.1808E-02	-7.5 TO 37.5	0.4544E-06	82.5-127.5	0.4121E-06	75	0- 45	0.2915E-05	90-135	0.2733E-05
0-15.00	0.3585E-03	-7.5 TO 52.5	0.4710E-05	82.5-142.5	0.4681E-05	0	0- 60	0.1916E-04	90-150	0.1916E-04
15-30.00	0.1052E-02	-7.5 TO 52.5	0.4346E-05	82.5-142.5	0.4286E-05	15	0- 60	0.1847E-04	90-150	0.1830E-04
30-45.00	0.1674E-02	-7.5 TO 52.5	0.3640E-05	82.5-142.5	0.3558E-05	30	0- 60	0.1628E-04	90-150	0.1597E-04
45-60.00	0.2181E-02	-7.5 TO 52.5	0.2672E-05	82.5-142.5	0.2587E-05	45	0- 60	0.1283E-04	90-150	0.1247E-04
60-75.00	0.2540E-02	-7.5 TO 52.5	0.1549E-05	82.5-142.5	0.1479E-05	60	0- 60	0.8552E-05	90-150	0.8217E-05
75-88.28	0.2410E-02	-7.5 TO 52.5	0.4523E-06	82.5-142.5	0.4081E-06	75	0- 60	0.3873E-05	90-150	0.3625E-05
0-15.00	0.4466E-03	-7.5 TO 67.5	0.4708E-05	82.5-157.5	0.4679E-05	0	0- 75	0.2395E-04	90-165	0.2395E-04
15-30.00	0.1314E-02	-7.5 TO 67.5	0.4343E-05	82.5-157.5	0.4281E-05	15	0- 75	0.2308E-04	90-165	0.2286E-04
30-45.00	0.2092E-02	-7.5 TO 67.5	0.3635E-05	82.5-157.5	0.3552E-05	30	0- 75	0.2032E-04	90-165	0.1993E-04
45-60.00	0.2727E-02	-7.5 TO 67.5	0.2667E-05	82.5-157.5	0.2581E-05	45	0- 75	0.1601E-04	90-165	0.1556E-04
60-75.00	0.3175E-02	-7.5 TO 67.5	0.1545E-05	82.5-157.5	0.1473E-05	60	0- 75	0.1066E-04	90-165	0.1024E-04
75-88.28	0.3013E-02	-7.5 TO 67.5	0.4495E-06	82.5-157.5	0.4047E-06	75	0- 75	0.4820E-05	90-165	0.4510E-05
0-15.00	0.5364E-03	-7.5 TO 82.5	0.4706E-05	82.5-172.5	0.4677E-05	0	0- 90	0.2874E-04	90-180	0.2874E-04
15-30.00	0.1578E-02	-7.5 TO 82.5	0.4338E-05	82.5-172.5	0.4277E-05	15	0- 90	0.2767E-04	90-180	0.2741E-04
30-45.00	0.2511E-02	-7.5 TO 82.5	0.3629E-05	82.5-172.5	0.3546E-05	30	0- 90	0.2435E-04	90-180	0.2390E-04
45-60.00	0.3272E-02	-7.5 TO 82.5	0.2660E-05	82.5-172.5	0.2575E-05	45	0- 90	0.1917E-04	90-180	0.1864E-04
60-75.00	0.3811E-02	-7.5 TO 82.5	0.1540E-05	82.5-172.5	0.1469E-05	60	0- 90	0.1275E-04	90-180	0.1226E-04
75-88.28	0.3615E-02	-7.5 TO 82.5	0.4462E-06	82.5-172.5	0.4019E-06	75	0- 90	0.5754E-05	90-180	0.5393E-05
0-15.00	0.6281E-03	-7.5 TO 97.5	0.4704E-05	82.5-187.5	0.4676E-05	0	0-105	0.3353E-04	90-195	0.3353E-04
15-30.00	0.1841E-02	-7.5 TO 97.5	0.4333E-05	82.5-187.5	0.4274E-05	15	0-105	0.3226E-04	90-195	0.3197E-04
30-45.00	0.2929E-02	-7.5 TO 97.5	0.3622E-05	82.5-187.5	0.3542E-05	30	0-105	0.2836E-04	90-195	0.2786E-04
45-60.00	0.3818E-02	-7.5 TO 97.5	0.2654E-05	82.5-187.5	0.2571E-05	45	0-105	0.2231E-04	90-195	0.2173E-04
60-75.00	0.4446E-02	-7.5 TO 97.5	0.1534E-05	82.5-187.5	0.1465E-05	60	0-105	0.1483E-04	90-195	0.1429E-04
75-88.28	0.4218E-02	-7.5 TO 97.5	0.4426E-06	82.5-187.5	0.3997E-06	75	0-105	0.6677E-05	90-195	0.6275E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(c) Continued. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0210$ $\cosh \mu_2 = 24.9475$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 133.35$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.0973E-04	-7.5 TO 7.5	0.9384E-05	82.5- 97.5	0.9315E-05	0	0- 15	0.9513E-05	90-105	0.9513E-05
15-30.00	0.2631E-03	-7.5 TO 7.5	0.8695E-05	82.5- 97.5	0.8548E-05	15	0- 15	0.9219E-05	90-105	0.9104E-05
30-45.00	0.4165E-03	-7.5 TO 7.5	0.7313E-05	82.5- 97.5	0.7115E-05	30	0- 15	0.8162E-05	90-105	0.7962E-05
45-60.00	0.5454E-03	-7.5 TO 7.5	0.5393E-05	82.5- 97.5	0.5189E-05	45	0- 15	0.6467E-05	90-105	0.6233E-05
60-75.00	0.6351E-03	-7.5 TO 7.5	0.3147E-05	82.5- 97.5	0.2979E-05	60	0- 15	0.4333E-05	90-105	0.4117E-05
75-88.28	0.6025E-03	-7.5 TO 7.5	0.9400E-06	82.5- 97.5	0.8367E-06	75	0- 15	0.1985E-05	90-105	0.1828E-05
0-15.00	0.1755E-03	-7.5 TO 22.5	0.9383E-05	82.5-112.5	0.9306E-05	0	0- 30	0.1903E-04	90-120	0.1903E-04
15-30.00	0.5261E-03	-7.5 TO 22.5	0.8692E-05	82.5-112.5	0.8530E-05	15	0- 30	0.1843E-04	90-120	0.1818E-04
30-45.00	0.8365E-03	-7.5 TO 22.5	0.7309E-05	82.5-112.5	0.7090E-05	30	0- 30	0.1631E-04	90-120	0.1588E-04
45-60.00	0.1091E-02	-7.5 TO 22.5	0.5389E-05	82.5-112.5	0.5163E-05	45	0- 30	0.1292E-04	90-120	0.1241E-04
60-75.00	0.1270E-02	-7.5 TO 22.5	0.3145E-05	82.5-112.5	0.2958E-05	60	0- 30	0.8653E-05	90-120	0.8186E-05
75-88.28	0.1205E-02	-7.5 TO 22.5	0.9381E-06	82.5-112.5	0.8238E-06	75	0- 30	0.3961E-05	90-120	0.3621E-05
0-15.00	0.2692E-03	-7.5 TO 37.5	0.9380E-05	82.5-127.5	0.9297E-05	0	0- 45	0.2854E-04	90-135	0.2854E-04
15-30.00	0.7852E-03	-7.5 TO 37.5	0.8687E-05	82.5-127.5	0.8512E-05	15	0- 45	0.2763E-04	90-135	0.2724E-04
30-45.00	0.1255E-02	-7.5 TO 37.5	0.7302E-05	82.5-127.5	0.7066E-05	30	0- 45	0.2444E-04	90-135	0.2376E-04
45-60.00	0.1636E-02	-7.5 TO 37.5	0.5381E-05	82.5-127.5	0.5138E-05	45	0- 45	0.1935E-04	90-135	0.1855E-04
60-75.00	0.1905E-02	-7.5 TO 37.5	0.3138E-05	82.5-127.5	0.2938E-05	60	0- 45	0.1295E-04	90-135	0.1221E-04
75-88.28	0.1808E-02	-7.5 TO 37.5	0.9340E-06	82.5-127.5	0.8116E-06	75	0- 45	0.5917E-05	90-135	0.5384E-05
0-15.00	0.3585E-03	-7.5 TO 52.5	0.9376E-05	82.5-142.5	0.9290E-05	0	0- 60	0.3805E-04	90-150	0.3805E-04
15-30.00	0.1052E-02	-7.5 TO 52.5	0.8678E-05	82.5-142.5	0.8495E-05	15	0- 60	0.3681E-04	90-150	0.3628E-04
30-45.00	0.1674E-02	-7.5 TO 52.5	0.7290E-05	82.5-142.5	0.7044E-05	30	0- 60	0.3253E-04	90-150	0.3160E-04
45-60.00	0.2181E-02	-7.5 TO 52.5	0.5369E-05	82.5-142.5	0.5116E-05	45	0- 60	0.2573E-04	90-150	0.2465E-04
60-75.00	0.2540E-02	-7.5 TO 52.5	0.3128E-05	82.5-142.5	0.2919E-05	60	0- 60	0.1721E-04	90-150	0.1621E-04
75-88.28	0.2410E-02	-7.5 TO 52.5	0.9278E-06	82.5-142.5	0.8004E-06	75	0- 60	0.7848E-05	90-150	0.7122E-05
0-15.00	0.4486E-03	-7.5 TO 67.5	0.9371E-05	82.5-157.5	0.9283E-05	0	0- 75	0.4756E-04	90-165	0.4756E-04
15-30.00	0.1315E-02	-7.5 TO 67.5	0.8667E-05	82.5-157.5	0.8481E-05	15	0- 75	0.4597E-04	90-165	0.4530E-04
30-45.00	0.2092E-02	-7.5 TO 67.5	0.7275E-05	82.5-157.5	0.7024E-05	30	0- 75	0.4058E-04	90-165	0.3943E-04
45-60.00	0.2727E-02	-7.5 TO 67.5	0.5354E-05	82.5-157.5	0.5096E-05	45	0- 75	0.3207E-04	90-165	0.3072E-04
60-75.00	0.3175E-02	-7.5 TO 67.5	0.3115E-05	82.5-157.5	0.2903E-05	60	0- 75	0.2142E-04	90-165	0.2017E-04
75-88.28	0.3013E-02	-7.5 TO 67.5	0.9198E-06	82.5-157.5	0.7907E-06	75	0- 75	0.9747E-05	90-165	0.8842E-05
0-15.00	0.5384E-03	-7.5 TO 82.5	0.9364E-05	82.5-172.5	0.9277E-05	0	0- 90	0.5708E-04	90-180	0.5708E-04
15-30.00	0.1578E-02	-7.5 TO 82.5	0.8653E-05	82.5-172.5	0.8468E-05	15	0- 90	0.5510E-04	90-180	0.5432E-04
30-45.00	0.2511E-02	-7.5 TO 82.5	0.7257E-05	82.5-172.5	0.7008E-05	30	0- 90	0.4859E-04	90-180	0.4724E-04
45-60.00	0.3272E-02	-7.5 TO 82.5	0.5335E-05	82.5-172.5	0.5079E-05	45	0- 90	0.3836E-04	90-180	0.3677E-04
60-75.00	0.3811E-02	-7.5 TO 82.5	0.3099E-05	82.5-172.5	0.2889E-05	60	0- 90	0.2559E-04	90-180	0.2413E-04
75-88.28	0.3615E-02	-7.5 TO 82.5	0.9103E-06	82.5-172.5	0.7826E-06	75	0- 90	0.1161E-04	90-180	0.1055E-04
0-15.00	0.6281E-03	-7.5 TO 97.5	0.9357E-05	82.5-187.5	0.9273E-05	0	0-105	0.6659E-04	90-195	0.6659E-04
15-30.00	0.1841E-02	-7.5 TO 97.5	0.8638E-05	82.5-187.5	0.8459E-05	15	0-105	0.6420E-04	90-195	0.6333E-04
30-45.00	0.2929E-02	-7.5 TO 97.5	0.7236E-05	82.5-187.5	0.6995E-05	30	0-105	0.5655E-04	90-195	0.5505E-04
45-60.00	0.3818E-02	-7.5 TO 97.5	0.5314E-05	82.5-187.5	0.5066E-05	45	0-105	0.4459E-04	90-195	0.4283E-04
60-75.00	0.4446E-02	-7.5 TO 97.5	0.3082E-05	82.5-187.5	0.2879E-05	60	0-105	0.2971E-04	90-195	0.2808E-04
75-88.28	0.4218E-02	-7.5 TO 97.5	0.8998E-06	82.5-187.5	0.7763E-06	75	0-105	0.1344E-04	90-195	0.1227E-04

$r_2/r_1 = 0.40$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0210$ $\cosh \mu_2 = 24.9475$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 117.99$

0-15.00	0.6973E-04	-7.5 TO 7.5	0.1399E-04	82.5- 97.5	0.1385E-04	0	0- 15	0.1414E-04	90-105	0.1414E-04
15-30.00	0.2631E-03	-7.5 TO 7.5	0.1301E-04	82.5- 97.5	0.1271E-04	15	0- 15	0.1376E-04	90-105	0.1353E-04
30-45.00	0.4165E-03	-7.5 TO 7.5	0.1098E-04	82.5- 97.5	0.1058E-04	30	0- 15	0.1223E-04	90-105	0.1183E-04
45-60.00	0.5454E-03	-7.5 TO 7.5	0.8128E-05	82.5- 97.5	0.7717E-05	45	0- 15	0.9728E-05	90-105	0.9254E-05
60-75.00	0.6351E-03	-7.5 TO 7.5	0.4765E-05	82.5- 97.5	0.4431E-05	60	0- 15	0.6543E-05	90-105	0.6110E-05
75-88.28	0.6025E-03	-7.5 TO 7.5	0.1443E-05	82.5- 97.5	0.1245E-05	75	0- 15	0.3018E-05	90-105	0.2711E-05
0-15.00	0.1755E-03	-7.5 TO 22.5	0.1399E-04	82.5-112.5	0.1383E-04	0	0- 30	0.2828E-04	90-120	0.2828E-04
15-30.00	0.5261E-03	-7.5 TO 22.5	0.1300E-04	82.5-112.5	0.1267E-04	15	0- 30	0.2751E-04	90-120	0.2700E-04
30-45.00	0.8365E-03	-7.5 TO 22.5	0.1097E-04	82.5-112.5	0.1053E-04	30	0- 30	0.2444E-04	90-120	0.2356E-04
45-60.00	0.1091E-02	-7.5 TO 22.5	0.8121E-05	82.5-112.5	0.7666E-05	45	0- 30	0.1943E-04	90-120	0.1840E-04
60-75.00	0.1270E-02	-7.5 TO 22.5	0.4759E-05	82.5-112.5	0.4389E-05	60	0- 30	0.1306E-04	90-120	0.1213E-04
75-88.28	0.1205E-02	-7.5 TO 22.5	0.1439E-05	82.5-112.5	0.1221E-05	75	0- 30	0.6017E-05	90-120	0.5356E-05
0-15.00	0.2692E-03	-7.5 TO 37.5	0.1398E-04	82.5-127.5	0.1381E-04	0	0- 45	0.4243E-04	90-135	0.4243E-04
15-30.00	0.7852E-03	-7.5 TO 37.5	0.1299E-04	82.5-127.5	0.1263E-04	15	0- 45	0.4123E-04	90-135	0.4043E-04
30-45.00	0.1255E-02	-7.5 TO 37.5	0.1096E-04	82.5-127.5	0.1048E-04	30	0- 45	0.3660E-04	90-135	0.3522E-04
45-60.00	0.1636E-02	-7.5 TO 37.5	0.8104E-05	82.5-127.5	0.7615E-05	45	0- 45	0.2907E-04	90-135	0.2746E-04
60-75.00	0.1905E-02	-7.5 TO 37.5	0.4746E-05	82.5-127.5	0.4350E-05	60	0- 45	0.1953E-04	90-135	0.1806E-04
75-88.28	0.1808E-02	-7.5 TO 37.5	0.1431E-05	82.5-127.5	0.1193E-05	75	0- 45	0.8980E-05	90-135	0.7942E-05
0-15.00	0.3585E-03	-7.5 TO 52.5	0.1397E-04	82.5-142.5	0.1380E-04	0	0- 60	0.5657E-04	90-150	0.5657E-04
15-30.00	0.1052E-02	-7.5 TO 52.5	0.1297E-04	82.5-142.5	0.1260E-04	15	0- 60	0.5491E-04	90-150	0.5382E-04
30-45.00	0.1674E-02	-7.5 TO 52.5	0.1093E-04	82.5-142.5	0.1043E-04	30	0- 60	0.4869E-04	90-150	0.4681E-04
45-60.00	0.2181E-02	-7.5 TO 52.5	0.8080E-05	82.5-142.5	0.7569E-05	45	0- 60	0.3864E-04	90-150	0.3644E-04
60-75.00	0.2540E-02	-7.5 TO 52.5	0.4726E-05	82.5-142.5	0.4313E-05	60	0- 60	0.2592E-04	90-150	0.2392E-04
75-88.28	0.2410E-02	-7.5 TO 52.5	0.1419E-05	82.5-142.5	0.1177E-05	75	0- 60	0.1189E-04	90-150	0.1048E-04
0-15.00	0.4486E-03	-7.5 TO 67.5	0.1396E-04	82.5-157.5	0.1378E-04	0	0- 75	0.7071E-04	90-165	0.7071E-04
15-30.00	0.1315E-02	-7.5 TO 67.5	0.1295E-04	82.5-157.5	0.1257E-04	15	0- 75	0.6855E-04	90-165	0.6719E-04
30-45.00	0.2092E-02	-7.5 TO 67.5	0.1090E-04	82.5-157.5	0.1040E-04	30	0- 75	0.6070E-04	90-165	0.5835E-04
45-60.00	0.2727E-02	-7.5 TO 67.5	0.8048E-05	82.5-157.5	0.7530E-05	45	0- 75	0.4811E-04	90-165	0.4536E-04
60-75.00	0.3175E-02	-7.5 TO 67.5	0.4700E-05	82.5-157.5	0.4281E-05	60	0- 75	0.3223E-04	90-165	0.2973E-04
75-88.28	0.3013E-02	-7.5 TO 67.5	0.1404E-05	82.5-157.5	0.1159E-05	75	0- 75	0.1474E-04	90-165	0.1299E-04
0-15.00	0.5384E-03	-7.5 TO 82.5	0.1395E-04	82.5-172.5	0.1377E-04	0	0- 90	0.8485E-04	90-180	0.8485E-04
15-30.00	0.1578E-02	-7.5 TO 82.5	0.1292E-04	82.5-172.5	0.1255E-04	15	0- 90	0.8213E-04	90-180	0.8054E-04
30-45.00	0.2511E-02	-7.5 TO 82.5	0.1087E-04	82.5-172.5	0.1036E-04	30	0- 90	0.7262E-04	90-180	0.6987E-04
45-60.00	0.3272E-02	-7.5 TO 82.5	0.8016E-05	82.5-172.5	0.7497E-05	45	0- 90	0.5747E-04	90-180	0.5426E-04
60-75.00	0.3811E-02	-7.5 TO 82.5	0.4669E-05	82.5-172.5	0.4255E-05	60	0- 90	0.3844E-04	90-180	0.3552E-04
75-88.28	0.3615E-02	-7.5 TO 82.5	0.1386E-05	82.5-172.5	0.1144E-05	75	0- 90	0.1752E-04	90-180	0.1548E-04
0-15.00	0.6281E-03	-7.5 TO 97.5	0.1393E-04	82.5-187.5	0.1376E-04	0	0-105	0.9899E-04	90-195	0.9899E-04
15-30.00	0.1841E-02	-7.5 TO 97.5	0.1289E-04	82.5-187.5	0.1253E-04	15	0-105	0.9566E-04	90-195	0.9389E-04
30-45.00	0.2929E-02	-7.5 TO 97.5	0.1083E-04	82.5-187.5	0.1034E-04	30	0-105	0.8445E-04	90-195	0.8139E-04
45-60.00	0.3818E-02	-7.5 TO 97.5	0.7968E-05	82.5-187.5	0.7471E-05	45	0-105	0.6672E-04	90-195	0.6316E-04
60-75.00	0.4446E-02	-7.5 TO 97.5	0.4635E-05	82.5-187.5	0.4235E-05	60	0-105	0.4455E-04	90-195	0.4131E-04
75-88.28	0.4218E-02	-7.5 TO 97.5	0.1366E-05	82.5-187.5	0.1132E-05	75	0-105	0.2023E-04	90-195	0.1796E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

r_2/r_1 = 0.40 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0210 $\cosh \mu_2$ = 24.9475 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 102.77

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8973E-04	-7.5 TO 7.5	0.1728E-04	82.5- 97.5	0.1705E-04	0	0- 15	0.1741E-04	90-105	0.1741E-04
15-30.00	0.2631E-03	-7.5 TO 7.5	0.1613E-04	82.5- 97.5	0.1565E-04	15	0- 15	0.1703E-04	90-105	0.1665E-04
30-45.00	0.4185E-03	-7.5 TO 7.5	0.1367E-04	82.5- 97.5	0.1303E-04	30	0- 15	0.1520E-04	90-105	0.1454E-04
45-60.00	0.5454E-03	-7.5 TO 7.5	0.1016E-04	82.5- 97.5	0.9504E-05	45	0- 15	0.1214E-04	90-105	0.1138E-04
60-75.00	0.6351E-03	-7.5 TO 7.5	0.5978E-05	82.5- 97.5	0.5459E-05	60	0- 15	0.8193E-05	90-105	0.7510E-05
75-88.28	0.6025E-03	-7.5 TO 7.5	0.1627E-05	82.5- 97.5	0.1535E-05	75	0- 15	0.3798E-05	90-105	0.3331E-05
0-15.00	0.1755E-03	-7.5 TO 22.5	0.1728E-04	82.5-112.5	0.1702E-04	0	0- 30	0.3482E-04	90-120	0.3482E-04
15-30.00	0.5261E-03	-7.5 TO 22.5	0.1613E-04	82.5-112.5	0.1559E-04	15	0- 30	0.3403E-04	90-120	0.3321E-04
30-45.00	0.8369E-03	-7.5 TO 22.5	0.1366E-04	82.5-112.5	0.1295E-04	30	0- 30	0.3036E-04	90-120	0.2894E-04
45-60.00	0.1091E-02	-7.5 TO 22.5	0.1015E-04	82.5-112.5	0.9421E-05	45	0- 30	0.2423E-04	90-120	0.2259E-04
60-75.00	0.1270E-02	-7.5 TO 22.5	0.5969E-05	82.5-112.5	0.5394E-05	60	0- 30	0.1634E-04	90-120	0.1487E-04
75-88.28	0.1205E-02	-7.5 TO 22.5	0.1621E-05	82.5-112.5	0.1500E-05	75	0- 30	0.7567E-05	90-120	0.6962E-05
0-15.00	0.2632E-03	-7.5 TO 37.5	0.1727E-04	82.5-127.5	0.1699E-04	0	0- 45	0.5224E-04	90-135	0.5224E-04
15-30.00	0.7892E-03	-7.5 TO 37.5	0.1611E-04	82.5-127.5	0.1553E-04	15	0- 45	0.5099E-04	90-135	0.4969E-04
30-45.00	0.1255E-02	-7.5 TO 37.5	0.1364E-04	82.5-127.5	0.1287E-04	30	0- 45	0.4544E-04	90-135	0.4321E-04
45-60.00	0.1636E-02	-7.5 TO 37.5	0.1012E-04	82.5-127.5	0.9343E-05	45	0- 45	0.3623E-04	90-135	0.3364E-04
60-75.00	0.1905E-02	-7.5 TO 37.5	0.5949E-05	82.5-127.5	0.5333E-05	60	0- 45	0.2441E-04	90-135	0.2210E-04
75-88.28	0.1808E-02	-7.5 TO 37.5	0.1810E-05	82.5-127.5	0.1466E-05	75	0- 45	0.1128E-04	90-135	0.9705E-05
0-15.00	0.3509E-03	-7.5 TO 52.5	0.1725E-04	82.5-142.5	0.1697E-04	0	0- 60	0.6965E-04	90-150	0.6965E-04
15-30.00	0.1052E-02	-7.5 TO 52.5	0.1608E-04	82.5-142.5	0.1547E-04	15	0- 60	0.6788E-04	90-150	0.6612E-04
30-45.00	0.1674E-02	-7.5 TO 52.5	0.1360E-04	82.5-142.5	0.1280E-04	30	0- 60	0.6042E-04	90-150	0.5737E-04
45-60.00	0.2181E-02	-7.5 TO 52.5	0.1008E-04	82.5-142.5	0.9271E-05	45	0- 60	0.4810E-04	90-150	0.4458E-04
60-75.00	0.2540E-02	-7.5 TO 52.5	0.5917E-05	82.5-142.5	0.5277E-05	60	0- 60	0.3237E-04	90-150	0.2922E-04
75-88.28	0.2410E-02	-7.5 TO 52.5	0.1792E-05	82.5-142.5	0.1436E-05	75	0- 60	0.1491E-04	90-150	0.1278E-04
0-15.00	0.4386E-03	-7.5 TO 67.5	0.1724E-04	82.5-157.5	0.1694E-04	0	0- 75	0.8706E-04	90-165	0.8706E-04
15-30.00	0.1315E-02	-7.5 TO 67.5	0.1604E-04	82.5-157.5	0.1543E-04	15	0- 75	0.8470E-04	90-165	0.8250E-04
30-45.00	0.2092E-02	-7.5 TO 67.5	0.1355E-04	82.5-157.5	0.1273E-04	30	0- 75	0.7526E-04	90-165	0.7146E-04
45-60.00	0.2727E-02	-7.5 TO 67.5	0.1003E-04	82.5-157.5	0.9208E-05	45	0- 75	0.5982E-04	90-165	0.5544E-04
60-75.00	0.3175E-02	-7.5 TO 67.5	0.5877E-05	82.5-157.5	0.5228E-05	60	0- 75	0.4019E-04	90-165	0.3627E-04
75-88.28	0.3013E-02	-7.5 TO 67.5	0.1769E-05	82.5-157.5	0.1410E-05	75	0- 75	0.1845E-04	90-165	0.1580E-04
0-15.00	0.5384E-03	-7.5 TO 82.5	0.1721E-04	82.5-172.5	0.1693E-04	0	0- 90	0.1045E-03	90-180	0.1045E-03
15-30.00	0.1578E-02	-7.5 TO 82.5	0.1600E-04	82.5-172.5	0.1539E-04	15	0- 90	0.1014E-03	90-180	0.9885E-04
30-45.00	0.2511E-02	-7.5 TO 82.5	0.1349E-04	82.5-172.5	0.1268E-04	30	0- 90	0.8996E-04	90-180	0.8551E-04
45-60.00	0.3272E-02	-7.5 TO 82.5	0.9972E-05	82.5-172.5	0.9156E-05	45	0- 90	0.7138E-04	90-180	0.6623E-04
60-75.00	0.3811E-02	-7.5 TO 82.5	0.5829E-05	82.5-172.5	0.5187E-05	60	0- 90	0.4785E-04	90-180	0.4328E-04
75-88.28	0.3615E-02	-7.5 TO 82.5	0.1742E-05	82.5-172.5	0.1388E-05	75	0- 90	0.2189E-04	90-180	0.1880E-04
0-15.00	0.6281E-03	-7.5 TO 97.5	0.1719E-04	82.5-187.5	0.1691E-04	0	0-105	0.1219E-03	90-195	0.1219E-03
15-30.00	0.1841E-02	-7.5 TO 97.5	0.1595E-04	82.5-187.5	0.1536E-04	15	0-105	0.1181E-03	90-195	0.1152E-03
30-45.00	0.2929E-02	-7.5 TO 97.5	0.1342E-04	82.5-187.5	0.1264E-04	30	0-105	0.1049E-03	90-195	0.9956E-04
45-60.00	0.3818E-02	-7.5 TO 97.5	0.9905E-05	82.5-187.5	0.9115E-05	45	0-105	0.8275E-04	90-195	0.7706E-04
60-75.00	0.4446E-02	-7.5 TO 97.5	0.5776E-05	82.5-187.5	0.5156E-05	60	0-105	0.5536E-04	90-195	0.5028E-04
75-88.28	0.4218E-02	-7.5 TO 97.5	0.1713E-05	82.5-187.5	0.1372E-05	75	0-105	0.2522E-04	90-195	0.2180E-04

r_2/r_1 = 0.40 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0210 $\cosh \mu_2$ = 24.9475 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 87.70

0-15.00	0.8973E-04	-7.5 TO 7.5	0.1840E-04	82.5- 97.5	0.1808E-04	0	0- 15	0.1847E-04	90-105	0.1847E-04
15-30.00	0.2621E-03	-7.5 TO 7.5	0.1726E-04	82.5- 97.5	0.1660E-04	15	0- 15	0.1816E-04	90-105	0.1764E-04
30-45.00	0.4165E-03	-7.5 TO 7.5	0.1470E-04	82.5- 97.5	0.1382E-04	30	0- 15	0.1630E-04	90-105	0.1540E-04
45-60.00	0.5454E-03	-7.5 TO 7.5	0.1097E-04	82.5- 97.5	0.1008E-04	45	0- 15	0.1308E-04	90-105	0.1204E-04
60-75.00	0.6351E-03	-7.5 TO 7.5	0.6475E-05	82.5- 97.5	0.5792E-05	60	0- 15	0.8861E-05	90-105	0.7948E-05
75-88.28	0.6025E-03	-7.5 TO 7.5	0.1987E-05	82.5- 97.5	0.1630E-05	75	0- 15	0.4121E-05	90-105	0.3525E-05
0-15.00	0.1755E-03	-7.5 TO 22.5	0.1839E-04	82.5-112.5	0.1804E-04	0	0- 30	0.3693E-04	90-120	0.3693E-04
15-30.00	0.5261E-03	-7.5 TO 22.5	0.1725E-04	82.5-112.5	0.1651E-04	15	0- 30	0.3629E-04	90-120	0.3517E-04
30-45.00	0.8369E-03	-7.5 TO 22.5	0.1469E-04	82.5-112.5	0.1371E-04	30	0- 30	0.3255E-04	90-120	0.3061E-04
45-60.00	0.1091E-02	-7.5 TO 22.5	0.1095E-04	82.5-112.5	0.9973E-05	45	0- 30	0.2609E-04	90-120	0.2387E-04
60-75.00	0.1270E-02	-7.5 TO 22.5	0.6463E-05	82.5-112.5	0.5709E-05	60	0- 30	0.1767E-04	90-120	0.1570E-04
75-88.28	0.1205E-02	-7.5 TO 22.5	0.1981E-05	82.5-112.5	0.1587E-05	75	0- 30	0.8205E-05	90-120	0.6926E-05
0-15.00	0.2632E-03	-7.5 TO 37.5	0.1838E-04	82.5-127.5	0.1801E-04	0	0- 45	0.5540E-04	90-135	0.5540E-04
15-30.00	0.7892E-03	-7.5 TO 37.5	0.1722E-04	82.5-127.5	0.1643E-04	15	0- 45	0.5436E-04	90-135	0.5260E-04
30-45.00	0.1255E-02	-7.5 TO 37.5	0.1465E-04	82.5-127.5	0.1360E-04	30	0- 45	0.4869E-04	90-135	0.4565E-04
45-60.00	0.1636E-02	-7.5 TO 37.5	0.1092E-04	82.5-127.5	0.9870E-05	45	0- 45	0.3898E-04	90-135	0.3549E-04
60-75.00	0.1905E-02	-7.5 TO 37.5	0.6436E-05	82.5-127.5	0.5631E-05	60	0- 45	0.2636E-04	90-135	0.2329E-04
75-88.28	0.1808E-02	-7.5 TO 37.5	0.1966E-05	82.5-127.5	0.1548E-05	75	0- 45	0.1222E-04	90-135	0.1022E-04
0-15.00	0.3509E-03	-7.5 TO 52.5	0.1836E-04	82.5-142.5	0.1797E-04	0	0- 60	0.7387E-04	90-150	0.7387E-04
15-30.00	0.1052E-02	-7.5 TO 52.5	0.1718E-04	82.5-142.5	0.1636E-04	15	0- 60	0.7234E-04	90-150	0.6994E-04
30-45.00	0.1674E-02	-7.5 TO 52.5	0.1460E-04	82.5-142.5	0.1351E-04	30	0- 60	0.6468E-04	90-150	0.6055E-04
45-60.00	0.2181E-02	-7.5 TO 52.5	0.1086E-04	82.5-142.5	0.9776E-05	45	0- 60	0.5170E-04	90-150	0.4696E-04
60-75.00	0.2540E-02	-7.5 TO 52.5	0.6394E-05	82.5-142.5	0.5560E-05	60	0- 60	0.3490E-04	90-150	0.3074E-04
75-88.28	0.2410E-02	-7.5 TO 52.5	0.1944E-05	82.5-142.5	0.1512E-05	75	0- 60	0.1613E-04	90-150	0.1343E-04
0-15.00	0.4386E-03	-7.5 TO 67.5	0.1834E-04	82.5-157.5	0.1794E-04	0	0- 75	0.9234E-04	90-165	0.9234E-04
15-30.00	0.1315E-02	-7.5 TO 67.5	0.1713E-04	82.5-157.5	0.1630E-04	15	0- 75	0.9022E-04	90-165	0.8722E-04
30-45.00	0.2092E-02	-7.5 TO 67.5	0.1453E-04	82.5-157.5	0.1343E-04	30	0- 75	0.8049E-04	90-165	0.7535E-04
45-60.00	0.2727E-02	-7.5 TO 67.5	0.1079E-04	82.5-157.5	0.9695E-05	45	0- 75	0.6421E-04	90-165	0.5832E-04
60-75.00	0.3175E-02	-7.5 TO 67.5	0.6341E-05	82.5-157.5	0.5499E-05	60	0- 75	0.4326E-04	90-165	0.3809E-04
75-88.28	0.3013E-02	-7.5 TO 67.5	0.1916E-05	82.5-157.5	0.1482E-05	75	0- 75	0.1991E-04	90-165	0.1658E-04
0-15.00	0.5384E-03	-7.5 TO 82.5	0.1831E-04	82.5-172.5	0.1791E-04	0	0- 90	0.1108E-03	90-180	0.1108E-03
15-30.00	0.1578E-02	-7.5 TO 82.5	0.1707E-04	82.5-172.5	0.1625E-04	15	0- 90	0.1080E-03	90-180	0.1045E-03
30-45.00	0.2511E-02	-7.5 TO 82.5	0.1445E-04	82.5-172.5	0.1336E-04	30	0- 90	0.9610E-04	90-180	0.9009E-04
45-60.00	0.3272E-02	-7.5 TO 82.5	0.1071E-04	82.5-172.5	0.9627E-05	45	0- 90	0.7649E-04	90-180	0.6962E-04
60-75.00	0.3811E-02	-7.5 TO 82.5	0.6278E-05	82.5-172.5	0.5448E-05	60	0- 90	0.5141E-04	90-180	0.4539E-04
75-88.28	0.3615E-02	-7.5 TO 82.5	0.1883E-05	82.5-172.5	0.1456E-05	75	0- 90	0.2357E-04	90-180	0.1969E-04
0-15.00	0.6281E-03	-7.5 TO 97.5	0.1828E-04	82.5-187.5	0.1790E-04	0	0-105	0.1293E-03	90-195	0.1293E-03
15-30.00	0.1841E-02	-7.5 TO 97.5	0.1700E-04	82.5-187.5	0.1620E-04	15	0-105	0.1256E-03	90-195	0.1217E-03
30-45.00	0.2929E-02	-7.5 TO 97.5	0.1436E-04	82.5-187.5	0.1330E-04	30	0-105	0.1115E-03	90-195	0.1048E-03
45-60.00	0.3818E-02	-7.5 TO 97.5	0.1062E-04	82.5-187.5	0.9575E-05	45	0-105	0.8853E-04	90-195	0.8092E-04
60-75.00	0.4446E-02	-7.5 TO 97.5	0.6209E-05	82.5-187.5	0.5408E-05	60	0-105	0.5936E-04	90-195	0.5270E-04
75-88.28	0.4218E-02	-7.5 TO 97.5	0.1847E-05	82.5-187.5	0.1437E-05	75	0-105	0.2710E-04	90-195	0.2281E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0210$ $\cosh \mu_2 = 24.9475$ $\alpha_{2,max} = 91.72$ $\theta_{2,min} = 85.99$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8973E-04	-7.5 TO 7.5	0.1840E-04	82.5- 97.5	0.1808E-04	0	0- 15	0.1847E-04	90-105	0.1847E-04
15-30.00	0.2631E-03	-7.5 TO 7.5	0.1726E-04	82.5- 97.5	0.1660E-04	15	0- 15	0.1816E-04	90-105	0.1764E-04
30-45.00	0.4185E-03	-7.5 TO 7.5	0.1471E-04	82.5- 97.5	0.1382E-04	30	0- 15	0.1630E-04	90-105	0.1540E-04
45-60.00	0.5454E-03	-7.5 TO 7.5	0.1097E-04	82.5- 97.5	0.1008E-04	45	0- 15	0.1308E-04	90-105	0.1204E-04
60-75.00	0.6353E-03	-7.5 TO 7.5	0.6480E-05	82.5- 97.5	0.5792E-05	60	0- 15	0.8866E-05	90-105	0.7948E-05
75-88.28	0.6025E-03	-7.5 TO 7.5	0.1989E-05	82.5- 97.5	0.1630E-05	75	0- 15	0.4124E-05	90-105	0.3525E-05
0-15.00	0.1755E-03	-7.5 TO 22.5	0.1839E-04	82.5-112.5	0.1804E-04	0	0- 30	0.3693E-04	90-120	0.3693E-04
15-30.00	0.5261E-03	-7.5 TO 22.5	0.1725E-04	82.5-112.5	0.1651E-04	15	0- 30	0.3629E-04	90-120	0.3517E-04
30-45.00	0.8365E-03	-7.5 TO 22.5	0.1469E-04	82.5-112.5	0.1371E-04	30	0- 30	0.3255E-04	90-120	0.3061E-04
45-60.00	0.1091E-02	-7.5 TO 22.5	0.1096E-04	82.5-112.5	0.9973E-05	45	0- 30	0.2610E-04	90-120	0.2387E-04
60-75.00	0.1270E-02	-7.5 TO 22.5	0.6467E-05	82.5-112.5	0.5709E-05	60	0- 30	0.1767E-04	90-120	0.1570E-04
75-88.28	0.1205E-02	-7.5 TO 22.5	0.1982E-05	82.5-112.5	0.1587E-05	75	0- 30	0.8210E-05	90-120	0.6926E-05
0-15.00	0.2652E-03	-7.5 TO 37.5	0.1838E-04	82.5-127.5	0.1801E-04	0	0- 45	0.5540E-04	90-135	0.5540E-04
15-30.00	0.7852E-03	-7.5 TO 37.5	0.1722E-04	82.5-127.5	0.1643E-04	15	0- 45	0.5436E-04	90-135	0.5260E-04
30-45.00	0.1255E-02	-7.5 TO 37.5	0.1465E-04	82.5-127.5	0.1360E-04	30	0- 45	0.4869E-04	90-135	0.4565E-04
45-60.00	0.1636E-02	-7.5 TO 37.5	0.1092E-04	82.5-127.5	0.9870E-05	45	0- 45	0.3899E-04	90-135	0.3549E-04
60-75.00	0.1905E-02	-7.5 TO 37.5	0.6439E-05	82.5-127.5	0.5631E-05	60	0- 45	0.2637E-04	90-135	0.2329E-04
75-88.28	0.1808E-02	-7.5 TO 37.5	0.1967E-05	82.5-127.5	0.1548E-05	75	0- 45	0.1222E-04	90-135	0.1022E-04
0-15.00	0.3565E-03	-7.5 TO 52.5	0.1836E-04	82.5-142.5	0.1797E-04	0	0- 60	0.7387E-04	90-150	0.7387E-04
15-30.00	0.1052E-02	-7.5 TO 52.5	0.1718E-04	82.5-142.5	0.1636E-04	15	0- 60	0.7234E-04	90-150	0.6994E-04
30-45.00	0.1674E-02	-7.5 TO 52.5	0.1460E-04	82.5-142.5	0.1351E-04	30	0- 60	0.6468E-04	90-150	0.6055E-04
45-60.00	0.2181E-02	-7.5 TO 52.5	0.1087E-04	82.5-142.5	0.9776E-05	45	0- 60	0.5171E-04	90-150	0.4696E-04
60-75.00	0.2540E-02	-7.5 TO 52.5	0.6397E-05	82.5-142.5	0.5560E-05	60	0- 60	0.3491E-04	90-150	0.3074E-04
75-88.28	0.2410E-02	-7.5 TO 52.5	0.1945E-05	82.5-142.5	0.1512E-05	75	0- 60	0.1613E-04	90-150	0.1343E-04
0-15.00	0.4486E-03	-7.5 TO 67.5	0.1834E-04	82.5-157.5	0.1794E-04	0	0- 75	0.9234E-04	90-165	0.9234E-04
15-30.00	0.1315E-02	-7.5 TO 67.5	0.1713E-04	82.5-157.5	0.1630E-04	15	0- 75	0.9022E-04	90-165	0.8722E-04
30-45.00	0.2092E-02	-7.5 TO 67.5	0.1453E-04	82.5-157.5	0.1343E-04	30	0- 75	0.8049E-04	90-165	0.7535E-04
45-60.00	0.2727E-02	-7.5 TO 67.5	0.1080E-04	82.5-157.5	0.9695E-05	45	0- 75	0.6422E-04	90-165	0.5832E-04
60-75.00	0.3175E-02	-7.5 TO 67.5	0.6343E-05	82.5-157.5	0.5499E-05	60	0- 75	0.4327E-04	90-165	0.3809E-04
75-88.28	0.3013E-02	-7.5 TO 67.5	0.1917E-05	82.5-157.5	0.1482E-05	75	0- 75	0.1992E-04	90-165	0.1658E-04
0-15.00	0.5364E-03	-7.5 TO 82.5	0.1831E-04	82.5-172.5	0.1791E-04	0	0- 90	0.1108E-03	90-180	0.1108E-03
15-30.00	0.1578E-02	-7.5 TO 82.5	0.1707E-04	82.5-172.5	0.1625E-04	15	0- 90	0.1080E-03	90-180	0.1045E-03
30-45.00	0.2511E-02	-7.5 TO 82.5	0.1445E-04	82.5-172.5	0.1336E-04	30	0- 90	0.9610E-04	90-180	0.9009E-04
45-60.00	0.3272E-02	-7.5 TO 82.5	0.1072E-04	82.5-172.5	0.9627E-05	45	0- 90	0.7649E-04	90-180	0.6962E-04
60-75.00	0.3811E-02	-7.5 TO 82.5	0.6280E-05	82.5-172.5	0.5448E-05	60	0- 90	0.5142E-04	90-180	0.4539E-04
75-88.28	0.3615E-02	-7.5 TO 82.5	0.1883E-05	82.5-172.5	0.1456E-05	75	0- 90	0.2358E-04	90-180	0.1969E-04
0-15.00	0.6261E-03	-7.5 TO 97.5	0.1828E-04	82.5-187.5	0.1790E-04	0	0-105	0.1293E-03	90-195	0.1293E-03
15-30.00	0.1841E-02	-7.5 TO 97.5	0.1700E-04	82.5-187.5	0.1620E-04	15	0-105	0.1256E-03	90-195	0.1217E-03
30-45.00	0.2929E-02	-7.5 TO 97.5	0.1436E-04	82.5-187.5	0.1330E-04	30	0-105	0.1115E-03	90-195	0.1048E-03
45-60.00	0.3818E-02	-7.5 TO 97.5	0.1062E-04	82.5-187.5	0.9575E-05	45	0-105	0.8854E-04	90-195	0.8092E-04
60-75.00	0.4446E-02	-7.5 TO 97.5	0.6210E-05	82.5-187.5	0.5408E-05	60	0-105	0.5937E-04	90-195	0.5270E-04
75-88.28	0.4218E-02	-7.5 TO 97.5	0.1847E-05	82.5-187.5	0.1437E-05	75	0-105	0.2710E-04	90-195	0.2281E-04

$r_2/r_1 = 0.40$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0084$ $\cosh \mu_2 = 62.4790$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.76$

0-15.00	0.1425E-04	-7.5 TO 7.5	0.1856E-06	82.5- 97.5	0.1855E-06	0	0- 15	0.1890E-06	90-105	0.1890E-06
15-30.00	0.4169E-04	-7.5 TO 7.5	0.1722E-06	82.5- 97.5	0.1719E-06	15	0- 15	0.1822E-06	90-105	0.1820E-06
30-45.00	0.6663E-04	-7.5 TO 7.5	0.1463E-06	82.5- 97.5	0.1459E-06	30	0- 15	0.1622E-06	90-105	0.1617E-06
45-60.00	0.8683E-04	-7.5 TO 7.5	0.1103E-06	82.5- 97.5	0.1098E-06	45	0- 15	0.1306E-06	90-105	0.1300E-06
60-75.00	0.1011E-03	-7.5 TO 7.5	0.6717E-07	82.5- 97.5	0.6671E-07	60	0- 15	0.9019E-07	90-105	0.8962E-07
75-89.31	0.1035E-03	-7.5 TO 7.5	0.2155E-07	82.5- 97.5	0.2125E-07	75	0- 15	0.4435E-07	90-105	0.4390E-07
0-15.00	0.2857E-04	-7.5 TO 22.5	0.1856E-06	82.5-112.5	0.1855E-06	0	0- 30	0.3779E-06	90-120	0.3779E-06
15-30.00	0.8377E-04	-7.5 TO 22.5	0.1722E-06	82.5-112.5	0.1718E-06	15	0- 30	0.3645E-06	90-120	0.3639E-06
30-45.00	0.1333E-03	-7.5 TO 22.5	0.1463E-06	82.5-112.5	0.1458E-06	30	0- 30	0.3243E-06	90-120	0.3233E-06
45-60.00	0.1737E-03	-7.5 TO 22.5	0.1103E-06	82.5-112.5	0.1097E-06	45	0- 30	0.2611E-06	90-120	0.2598E-06
60-75.00	0.2022E-03	-7.5 TO 22.5	0.6716E-07	82.5-112.5	0.6665E-07	60	0- 30	0.1804E-06	90-120	0.1791E-06
75-89.31	0.2070E-03	-7.5 TO 22.5	0.2155E-07	82.5-112.5	0.2121E-07	75	0- 30	0.8867E-07	90-120	0.8769E-07
0-15.00	0.4286E-04	-7.5 TO 37.5	0.1856E-06	82.5-127.5	0.1854E-06	0	0- 45	0.5669E-06	90-135	0.5669E-06
15-30.00	0.1257E-03	-7.5 TO 37.5	0.1722E-06	82.5-127.5	0.1718E-06	15	0- 45	0.5467E-06	90-135	0.5457E-06
30-45.00	0.1999E-03	-7.5 TO 37.5	0.1463E-06	82.5-127.5	0.1457E-06	30	0- 45	0.4864E-06	90-135	0.4848E-06
45-60.00	0.2605E-03	-7.5 TO 37.5	0.1103E-06	82.5-127.5	0.1097E-06	45	0- 45	0.3916E-06	90-135	0.3896E-06
60-75.00	0.3034E-03	-7.5 TO 37.5	0.6714E-07	82.5-127.5	0.6659E-07	60	0- 45	0.2704E-06	90-135	0.2685E-06
75-89.31	0.3105E-03	-7.5 TO 37.5	0.2154E-07	82.5-127.5	0.2117E-07	75	0- 45	0.1329E-06	90-135	0.1314E-06
0-15.00	0.5714E-04	-7.5 TO 52.5	0.1856E-06	82.5-142.5	0.1854E-06	0	0- 60	0.7559E-06	90-150	0.7559E-06
15-30.00	0.1675E-03	-7.5 TO 52.5	0.1722E-06	82.5-142.5	0.1717E-06	15	0- 60	0.7288E-06	90-150	0.7275E-06
30-45.00	0.2665E-03	-7.5 TO 52.5	0.1463E-06	82.5-142.5	0.1457E-06	30	0- 60	0.6485E-06	90-150	0.6462E-06
45-60.00	0.3473E-03	-7.5 TO 52.5	0.1103E-06	82.5-142.5	0.1096E-06	45	0- 60	0.5220E-06	90-150	0.5192E-06
60-75.00	0.4045E-03	-7.5 TO 52.5	0.6711E-07	82.5-142.5	0.6654E-07	60	0- 60	0.3604E-06	90-150	0.3578E-06
75-89.31	0.4139E-03	-7.5 TO 52.5	0.2152E-07	82.5-142.5	0.2114E-07	75	0- 60	0.1771E-06	90-150	0.1750E-06
0-15.00	0.7143E-04	-7.5 TO 67.5	0.1856E-06	82.5-157.5	0.1854E-06	0	0- 75	0.9448E-06	90-165	0.9448E-06
15-30.00	0.2094E-03	-7.5 TO 67.5	0.1721E-06	82.5-157.5	0.1717E-06	15	0- 75	0.9109E-06	90-165	0.9093E-06
30-45.00	0.3331E-03	-7.5 TO 67.5	0.1463E-06	82.5-157.5	0.1456E-06	30	0- 75	0.8104E-06	90-165	0.8075E-06
45-60.00	0.4342E-03	-7.5 TO 67.5	0.1102E-06	82.5-157.5	0.1095E-06	45	0- 75	0.6522E-06	90-165	0.6488E-06
60-75.00	0.5056E-03	-7.5 TO 67.5	0.6708E-07	82.5-157.5	0.6649E-07	60	0- 75	0.4503E-06	90-165	0.4470E-06
75-89.31	0.5174E-03	-7.5 TO 67.5	0.2149E-07	82.5-157.5	0.2111E-07	75	0- 75	0.2212E-06	90-165	0.2186E-06
0-15.00	0.8572E-04	-7.5 TO 82.5	0.1856E-06	82.5-172.5	0.1854E-06	0	0- 90	0.1134E-05	90-180	0.1134E-05
15-30.00	0.2513E-03	-7.5 TO 82.5	0.1721E-06	82.5-172.5	0.1717E-06	15	0- 90	0.1093E-05	90-180	0.1091E-05
30-45.00	0.3996E-03	-7.5 TO 82.5	0.1462E-06	82.5-172.5	0.1456E-06	30	0- 90	0.9722E-06	90-180	0.9689E-06
45-60.00	0.5211E-03	-7.5 TO 82.5	0.1102E-06	82.5-172.5	0.1095E-06	45	0- 90	0.7824E-06	90-180	0.7783E-06
60-75.00	0.6067E-03	-7.5 TO 82.5	0.6704E-07	82.5-172.5	0.6645E-07	60	0- 90	0.5401E-06	90-180	0.5362E-06
75-89.31	0.6209E-03	-7.5 TO 82.5	0.2147E-07	82.5-172.5	0.2108E-07	75	0- 90	0.2652E-06	90-180	0.2622E-06
0-15.00	0.1000E-03	-7.5 TO 97.5	0.1856E-06	82.5-187.5	0.1854E-06	0	0-105	0.1323E-05	90-195	0.1323E-05
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1721E-06	82.5-187.5	0.1716E-06	15	0-105	0.1275E-05	90-195	0.1273E-05
30-45.00	0.4664E-03	-7.5 TO 97.5	0.1462E-06	82.5-187.5	0.1456E-06	30	0-105	0.1134E-05	90-195	0.1130E-05
45-60.00	0.6078E-03	-7.5 TO 97.5	0.1101E-06	82.5-187.5	0.1095E-06	45	0-105	0.9124E-06	90-195	0.9079E-06
60-75.00	0.7078E-03	-7.5 TO 97.5	0.6699E-07	82.5-187.5	0.6642E-07	60	0-105	0.6297E-06	90-195	0.6253E-06
75-89.31	0.7244E-03	-7.5 TO 97.5	0.2143E-07	82.5-187.5	0.2106E-07	75	0-105	0.3091E-06	90-195	0.3057E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0084$ $\cosh \mu_2 = 62.4790$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 149.54$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1425E-04	-7.5 TO 7.5	0.6923E-06	82.5- 97.5	0.6911E-06	0	0- 15	0.7041E-06	90-105	0.7041E-06
15-30.00	0.4165E-04	-7.5 TO 7.5	0.6430E-06	82.5- 97.5	0.6403E-06	15	0- 15	0.6799E-06	90-105	0.6779E-06
30-45.00	0.6663E-04	-7.5 TO 7.5	0.5471E-06	82.5- 97.5	0.5434E-06	30	0- 15	0.6059E-06	90-105	0.6023E-06
45-60.00	0.8682E-04	-7.5 TO 7.5	0.4130E-06	82.5- 97.5	0.4091E-06	45	0- 15	0.4885E-06	90-105	0.4841E-06
60-75.00	0.1011E-03	-7.5 TO 7.5	0.2520E-06	82.5- 97.5	0.2485E-06	60	0- 15	0.3380E-06	90-105	0.3337E-06
75-89.31	0.1035E-03	-7.5 TO 7.5	0.8141E-07	82.5- 97.5	0.7917E-07	75	0- 15	0.1667E-06	90-105	0.1634E-06
0-15.00	0.2857E-04	-7.5 TO 22.5	0.6923E-06	82.5-112.5	0.6909E-06	0	0- 30	0.1408E-05	90-120	0.1408E-05
15-30.00	0.8377E-04	-7.5 TO 22.5	0.6429E-06	82.5-112.5	0.6400E-06	15	0- 30	0.1360E-05	90-120	0.1355E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.5471E-06	82.5-112.5	0.5430E-06	30	0- 30	0.1212E-05	90-120	0.1204E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.4129E-06	82.5-112.5	0.4086E-06	45	0- 30	0.9768E-06	90-120	0.9672E-06
60-75.00	0.2022E-03	-7.5 TO 22.5	0.2519E-06	82.5-112.5	0.2481E-06	60	0- 30	0.6757E-06	90-120	0.6664E-06
75-89.31	0.2070E-03	-7.5 TO 22.5	0.8137E-07	82.5-112.5	0.7888E-07	75	0- 30	0.3332E-06	90-120	0.3260E-06
0-15.00	0.4286E-04	-7.5 TO 37.5	0.6923E-06	82.5-127.5	0.6908E-06	0	0- 45	0.2112E-05	90-135	0.2112E-05
15-30.00	0.1257E-03	-7.5 TO 37.5	0.6428E-06	82.5-127.5	0.6396E-06	15	0- 45	0.2039E-05	90-135	0.2032E-05
30-45.00	0.1999E-03	-7.5 TO 37.5	0.5469E-06	82.5-127.5	0.5425E-06	30	0- 45	0.1817E-05	90-135	0.1804E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.4128E-06	82.5-127.5	0.4081E-06	45	0- 45	0.1464E-05	90-135	0.1449E-05
60-75.00	0.3034E-03	-7.5 TO 37.5	0.2518E-06	82.5-127.5	0.2477E-06	60	0- 45	0.1013E-05	90-135	0.9982E-06
75-89.31	0.3105E-03	-7.5 TO 37.5	0.8129E-07	82.5-127.5	0.7861E-07	75	0- 45	0.4994E-06	90-135	0.4880E-06
0-15.00	0.5714E-04	-7.5 TO 52.5	0.6922E-06	82.5-142.5	0.6906E-06	0	0- 60	0.2816E-05	90-150	0.2816E-05
15-30.00	0.1675E-03	-7.5 TO 52.5	0.6427E-06	82.5-142.5	0.6393E-06	15	0- 60	0.2719E-05	90-150	0.2709E-05
30-45.00	0.2665E-03	-7.5 TO 52.5	0.5467E-06	82.5-142.5	0.5421E-06	30	0- 60	0.2422E-05	90-150	0.2404E-05
45-60.00	0.3473E-03	-7.5 TO 52.5	0.4125E-06	82.5-142.5	0.4076E-06	45	0- 60	0.1951E-05	90-150	0.1931E-05
60-75.00	0.4045E-03	-7.5 TO 52.5	0.2516E-06	82.5-142.5	0.2473E-06	60	0- 60	0.1349E-05	90-150	0.1329E-05
75-89.31	0.4139E-03	-7.5 TO 52.5	0.8115E-07	82.5-142.5	0.7836E-07	75	0- 60	0.6649E-06	90-150	0.6494E-06
0-15.00	0.7143E-04	-7.5 TO 67.5	0.6921E-06	82.5-157.5	0.6905E-06	0	0- 75	0.3520E-05	90-165	0.3520E-05
15-30.00	0.2094E-03	-7.5 TO 67.5	0.6425E-06	82.5-157.5	0.6391E-06	15	0- 75	0.3397E-05	90-165	0.3385E-05
30-45.00	0.3331E-03	-7.5 TO 67.5	0.5464E-06	82.5-157.5	0.5417E-06	30	0- 75	0.3025E-05	90-165	0.3004E-05
45-60.00	0.4341E-03	-7.5 TO 67.5	0.4122E-06	82.5-157.5	0.4072E-06	45	0- 75	0.2438E-05	90-165	0.2412E-05
60-75.00	0.5056E-03	-7.5 TO 67.5	0.2513E-06	82.5-157.5	0.2470E-06	60	0- 75	0.1685E-05	90-165	0.1660E-05
75-89.31	0.5174E-03	-7.5 TO 67.5	0.8098E-07	82.5-157.5	0.7814E-07	75	0- 75	0.8298E-06	90-165	0.8104E-06
0-15.00	0.8572E-04	-7.5 TO 82.5	0.6920E-06	82.5-172.5	0.6904E-06	0	0- 90	0.4224E-05	90-180	0.4224E-05
15-30.00	0.2513E-03	-7.5 TO 82.5	0.6422E-06	82.5-172.5	0.6389E-06	15	0- 90	0.4076E-05	90-180	0.4062E-05
30-45.00	0.3998E-03	-7.5 TO 82.5	0.5461E-06	82.5-172.5	0.5414E-06	30	0- 90	0.3629E-05	90-180	0.3604E-05
45-60.00	0.5210E-03	-7.5 TO 82.5	0.4119E-06	82.5-172.5	0.4069E-06	45	0- 90	0.2923E-05	90-180	0.2892E-05
60-75.00	0.6067E-03	-7.5 TO 82.5	0.2510E-06	82.5-172.5	0.2467E-06	60	0- 90	0.2020E-05	90-180	0.1990E-05
75-89.31	0.6209E-03	-7.5 TO 82.5	0.8077E-07	82.5-172.5	0.7795E-07	75	0- 90	0.9940E-06	90-180	0.9712E-06
0-15.00	0.1000E-03	-7.5 TO 97.5	0.6918E-06	82.5-187.5	0.6903E-06	0	0-105	0.4928E-05	90-195	0.4928E-05
15-30.00	0.2932E-03	-7.5 TO 97.5	0.6420E-06	82.5-187.5	0.6387E-06	15	0-105	0.4754E-05	90-195	0.4738E-05
30-45.00	0.4664E-03	-7.5 TO 97.5	0.5457E-06	82.5-187.5	0.5412E-06	30	0-105	0.4231E-05	90-195	0.4203E-05
45-60.00	0.6078E-03	-7.5 TO 97.5	0.4113E-06	82.5-187.5	0.4067E-06	45	0-105	0.3407E-05	90-195	0.3373E-05
60-75.00	0.7078E-03	-7.5 TO 97.5	0.2507E-06	82.5-187.5	0.2465E-06	60	0-105	0.2353E-05	90-195	0.2321E-05
75-89.31	0.7244E-03	-7.5 TO 97.5	0.8055E-07	82.5-187.5	0.7781E-07	75	0-105	0.1157E-05	90-195	0.1132E-05

$r_2/r_1 = 0.40$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0084$ $\cosh \mu_2 = 62.4790$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 134.35$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1425E-04	-7.5 TO 7.5	0.1382E-05	82.5- 97.5	0.1379E-05	0	0- 15	0.1404E-05	90-105	0.1404E-05
15-30.00	0.4165E-04	-7.5 TO 7.5	0.1282E-05	82.5- 97.5	0.1277E-05	15	0- 15	0.1358E-05	90-105	0.1352E-05
30-45.00	0.6663E-04	-7.5 TO 7.5	0.1095E-05	82.5- 97.5	0.1084E-05	30	0- 15	0.1212E-05	90-105	0.1201E-05
45-60.00	0.8682E-04	-7.5 TO 7.5	0.8279E-06	82.5- 97.5	0.8160E-06	45	0- 15	0.9785E-06	90-105	0.9651E-06
60-75.00	0.1011E-03	-7.5 TO 7.5	0.5061E-06	82.5- 97.5	0.4958E-06	60	0- 15	0.6780E-06	90-105	0.6651E-06
75-89.31	0.1035E-03	-7.5 TO 7.5	0.1645E-06	82.5- 97.5	0.1579E-06	75	0- 15	0.3354E-06	90-105	0.3256E-06
0-15.00	0.2857E-04	-7.5 TO 22.5	0.1382E-05	82.5-112.5	0.1378E-05	0	0- 30	0.2809E-05	90-120	0.2809E-05
15-30.00	0.8377E-04	-7.5 TO 22.5	0.1285E-05	82.5-112.5	0.1276E-05	15	0- 30	0.2716E-05	90-120	0.2702E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.1095E-05	82.5-112.5	0.1083E-05	30	0- 30	0.2423E-05	90-120	0.2398E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.8277E-06	82.5-112.5	0.8145E-06	45	0- 30	0.1956E-05	90-120	0.1927E-05
60-75.00	0.2022E-03	-7.5 TO 22.5	0.5059E-06	82.5-112.5	0.4945E-06	60	0- 30	0.1355E-05	90-120	0.1327E-05
75-89.31	0.2070E-03	-7.5 TO 22.5	0.1644E-06	82.5-112.5	0.1571E-06	75	0- 30	0.6702E-06	90-120	0.6489E-06
0-15.00	0.4286E-04	-7.5 TO 37.5	0.1382E-05	82.5-127.5	0.1378E-05	0	0- 45	0.4213E-05	90-135	0.4213E-05
15-30.00	0.1257E-03	-7.5 TO 37.5	0.1285E-05	82.5-127.5	0.1275E-05	15	0- 45	0.4073E-05	90-135	0.4052E-05
30-45.00	0.1999E-03	-7.5 TO 37.5	0.1095E-05	82.5-127.5	0.1081E-05	30	0- 45	0.3633E-05	90-135	0.3596E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.8272E-06	82.5-127.5	0.8130E-06	45	0- 45	0.2932E-05	90-135	0.2887E-05
60-75.00	0.3034E-03	-7.5 TO 37.5	0.5055E-06	82.5-127.5	0.4932E-06	60	0- 45	0.2031E-05	90-135	0.1987E-05
75-89.31	0.3105E-03	-7.5 TO 37.5	0.1641E-06	82.5-127.5	0.1563E-06	75	0- 45	0.1004E-05	90-135	0.9703E-06
0-15.00	0.5714E-04	-7.5 TO 52.5	0.1382E-05	82.5-142.5	0.1377E-05	0	0- 60	0.5618E-05	90-150	0.5618E-05
15-30.00	0.1675E-03	-7.5 TO 52.5	0.1284E-05	82.5-142.5	0.1274E-05	15	0- 60	0.5429E-05	90-150	0.5400E-05
30-45.00	0.2665E-03	-7.5 TO 52.5	0.1094E-05	82.5-142.5	0.1080E-05	30	0- 60	0.4842E-05	90-150	0.4790E-05
45-60.00	0.3473E-03	-7.5 TO 52.5	0.8265E-06	82.5-142.5	0.8117E-06	45	0- 60	0.3906E-05	90-150	0.3844E-05
60-75.00	0.4045E-03	-7.5 TO 52.5	0.5049E-06	82.5-142.5	0.4921E-06	60	0- 60	0.2705E-05	90-150	0.2645E-05
75-89.31	0.4139E-03	-7.5 TO 52.5	0.1637E-06	82.5-142.5	0.1556E-06	75	0- 60	0.1336E-05	90-150	0.1290E-05
0-15.00	0.7143E-04	-7.5 TO 67.5	0.1382E-05	82.5-157.5	0.1377E-05	0	0- 75	0.7022E-05	90-165	0.7022E-05
15-30.00	0.2094E-03	-7.5 TO 67.5	0.1284E-05	82.5-157.5	0.1273E-05	15	0- 75	0.6784E-05	90-165	0.6747E-05
30-45.00	0.3331E-03	-7.5 TO 67.5	0.1093E-05	82.5-157.5	0.1079E-05	30	0- 75	0.6048E-05	90-165	0.5983E-05
45-60.00	0.4341E-03	-7.5 TO 67.5	0.8256E-06	82.5-157.5	0.8105E-06	45	0- 75	0.4878E-05	90-165	0.4800E-05
60-75.00	0.5056E-03	-7.5 TO 67.5	0.5041E-06	82.5-157.5	0.4911E-06	60	0- 75	0.3375E-05	90-165	0.3301E-05
75-89.31	0.5174E-03	-7.5 TO 67.5	0.1632E-06	82.5-157.5	0.1550E-06	75	0- 75	0.1666E-05	90-165	0.1609E-05
0-15.00	0.8572E-04	-7.5 TO 82.5	0.1381E-05	82.5-172.5	0.1376E-05	0	0- 90	0.8427E-05	90-180	0.8427E-05
15-30.00	0.2513E-03	-7.5 TO 82.5	0.1283E-05	82.5-172.5	0.1273E-05	15	0- 90	0.8138E-05	90-180	0.8095E-05
30-45.00	0.3998E-03	-7.5 TO 82.5	0.1092E-05	82.5-172.5	0.1078E-05	30	0- 90	0.7251E-05	90-180	0.7175E-05
45-60.00	0.5210E-03	-7.5 TO 82.5	0.8245E-06	82.5-172.5	0.8095E-06	45	0- 90	0.5846E-05	90-180	0.5754E-05
60-75.00	0.6067E-03	-7.5 TO 82.5	0.5031E-06	82.5-172.5	0.4902E-06	60	0- 90	0.4044E-05	90-180	0.3956E-05
75-89.31	0.6209E-03	-7.5 TO 82.5	0.1702E-06	82.5-172.5	0.1544E-06	75	0- 90	0.1994E-05	90-180	0.1927E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.1381E-05	82.5-187.5	0.1376E-05	0	0-105	0.9831E-05	90-195	0.9831E-05
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1282E-05	82.5-187.5	0.1272E-05	15	0-105	0.9489E-05	90-195	0.9442E-05
30-45.00	0.4664E-03	-7.5 TO 97.5	0.1091E-05	82.5-187.5	0.1077E-05	30	0-105	0.8452E-05	90-195	0.8368E-05
45-60.00	0.6078E-03	-7.5 TO 97.5	0.8233E-06	82.5-187.5	0.8088E-06	45	0-105	0.6811E-05	90-195	0.6709E-05
60-75.00	0.7078E-03	-7.5 TO 97.5	0.5021E-06	82.5-187.5	0.4896E-06	60	0-105	0.4709E-05	90-195	0.4611E-05
75-89.31	0.7244E-03	-7.5 TO 97.5	0.1619E-06	82.5-187.5	0.1540E-06	75	0-105	0.2319E-05	90-195	0.2245E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0084$ $\cosh \mu_2 = 62.4790$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 119.20$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.2069E-05	82.5- 97.5	0.2061E-05	0	0- 15	0.2099E-05	90-105	0.2099E-05
15-30.00	0.4169E-04	-7.5 TO 7.5	0.1926E-05	82.5- 97.5	0.1909E-05	15	0- 15	0.2034E-05	90-105	0.2021E-05
30-45.00	0.6663E-04	-7.5 TO 7.5	0.1643E-05	82.5- 97.5	0.1621E-05	30	0- 15	0.1817E-05	90-105	0.1795E-05
45-60.00	0.8883E-04	-7.5 TO 7.5	0.1244E-05	82.5- 97.5	0.1220E-05	45	0- 15	0.1469E-05	90-105	0.1442E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.7617E-06	82.5- 97.5	0.7412E-06	60	0- 15	0.1020E-05	90-105	0.9936E-06
75-89.31	0.1035E-03	-7.5 TO 7.5	0.2487E-06	82.5- 97.5	0.2362E-06	75	0- 15	0.5056E-06	90-105	0.4862E-06
0-15.00	0.2857E-04	-7.5 TO 22.5	0.2068E-05	82.5-112.5	0.2060E-05	0	0- 30	0.4199E-05	90-120	0.4199E-05
15-30.00	0.8377E-04	-7.5 TO 22.5	0.1926E-05	82.5-112.5	0.1907E-05	15	0- 30	0.4066E-05	90-120	0.4038E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.1643E-05	82.5-112.5	0.1618E-05	30	0- 30	0.3633E-05	90-120	0.3584E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.1244E-05	82.5-112.5	0.1217E-05	45	0- 30	0.2937E-05	90-120	0.2878E-05
60-75.00	0.2022E-03	-7.5 TO 22.5	0.7613E-06	82.5-112.5	0.7366E-06	60	0- 30	0.2037E-05	90-120	0.1981E-05
75-89.31	0.2070E-03	-7.5 TO 22.5	0.2485E-06	82.5-112.5	0.2346E-06	75	0- 30	0.1010E-05	90-120	0.9681E-06
0-15.00	0.4286E-04	-7.5 TO 37.5	0.2068E-05	82.5-127.5	0.2059E-05	0	0- 45	0.6298E-05	90-135	0.6298E-05
15-30.00	0.1257E-03	-7.5 TO 37.5	0.1925E-05	82.5-127.5	0.1905E-05	15	0- 45	0.6098E-05	90-135	0.6053E-05
30-45.00	0.1999E-03	-7.5 TO 37.5	0.1642E-05	82.5-127.5	0.1615E-05	30	0- 45	0.5447E-05	90-135	0.5369E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.1243E-05	82.5-127.5	0.1214E-05	45	0- 45	0.4402E-05	90-135	0.4308E-05
60-75.00	0.3034E-03	-7.5 TO 37.5	0.7605E-06	82.5-127.5	0.7361E-06	60	0- 45	0.3052E-05	90-135	0.2964E-05
75-89.31	0.3105E-03	-7.5 TO 37.5	0.2480E-06	82.5-127.5	0.2330E-06	75	0- 45	0.1512E-05	90-135	0.1446E-05
0-15.00	0.5714E-04	-7.5 TO 52.5	0.2068E-05	82.5-142.5	0.2058E-05	0	0- 60	0.8398E-05	90-150	0.8398E-05
15-30.00	0.1675E-03	-7.5 TO 52.5	0.1924E-05	82.5-142.5	0.1903E-05	15	0- 60	0.8127E-05	90-150	0.8066E-05
30-45.00	0.2665E-03	-7.5 TO 52.5	0.1641E-05	82.5-142.5	0.1612E-05	30	0- 60	0.7256E-05	90-150	0.7150E-05
45-60.00	0.3473E-03	-7.5 TO 52.5	0.1241E-05	82.5-142.5	0.1211E-05	45	0- 60	0.5862E-05	90-150	0.5734E-05
60-75.00	0.4045E-03	-7.5 TO 52.5	0.7593E-06	82.5-142.5	0.7339E-06	60	0- 60	0.4063E-05	90-150	0.3942E-05
75-89.31	0.4139E-03	-7.5 TO 52.5	0.2472E-06	82.5-142.5	0.2317E-06	75	0- 60	0.2011E-05	90-150	0.1921E-05
0-15.00	0.7143E-04	-7.5 TO 67.5	0.2067E-05	82.5-157.5	0.2057E-05	0	0- 75	0.1050E-04	90-165	0.1050E-04
15-30.00	0.2094E-03	-7.5 TO 67.5	0.1923E-05	82.5-157.5	0.1902E-05	15	0- 75	0.1015E-04	90-165	0.1008E-04
30-45.00	0.3331E-03	-7.5 TO 67.5	0.1639E-05	82.5-157.5	0.1610E-05	30	0- 75	0.9061E-05	90-165	0.8928E-05
45-60.00	0.4342E-03	-7.5 TO 67.5	0.1239E-05	82.5-157.5	0.1209E-05	45	0- 75	0.7316E-05	90-165	0.7157E-05
60-75.00	0.5056E-03	-7.5 TO 67.5	0.7577E-06	82.5-157.5	0.7318E-06	60	0- 75	0.5068E-05	90-165	0.4918E-05
75-89.31	0.5174E-03	-7.5 TO 67.5	0.2463E-06	82.5-157.5	0.2304E-06	75	0- 75	0.2506E-05	90-165	0.2394E-05
0-15.00	0.8572E-04	-7.5 TO 82.5	0.2066E-05	82.5-172.5	0.2056E-05	0	0- 90	0.1260E-04	90-180	0.1260E-04
15-30.00	0.2513E-03	-7.5 TO 82.5	0.1921E-05	82.5-172.5	0.1900E-05	15	0- 90	0.1218E-04	90-180	0.1209E-04
30-45.00	0.3998E-03	-7.5 TO 82.5	0.1637E-05	82.5-172.5	0.1608E-05	30	0- 90	0.1086E-04	90-180	0.1071E-04
45-60.00	0.5210E-03	-7.5 TO 82.5	0.1237E-05	82.5-172.5	0.1207E-05	45	0- 90	0.8764E-05	90-180	0.8578E-05
60-75.00	0.6067E-03	-7.5 TO 82.5	0.7559E-06	82.5-172.5	0.7302E-06	60	0- 90	0.6068E-05	90-180	0.5892E-05
75-89.31	0.6209E-03	-7.5 TO 82.5	0.2451E-06	82.5-172.5	0.2294E-06	75	0- 90	0.2997E-05	90-180	0.2865E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.2066E-05	82.5-187.5	0.2056E-05	0	0-105	0.1470E-04	90-195	0.1470E-04
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1920E-05	82.5-187.5	0.1899E-05	15	0-105	0.1420E-04	90-195	0.1410E-04
30-45.00	0.4664E-03	-7.5 TO 97.5	0.1635E-05	82.5-187.5	0.1607E-05	30	0-105	0.1266E-04	90-195	0.1248E-04
45-60.00	0.6078E-03	-7.5 TO 97.5	0.1235E-05	82.5-187.5	0.1205E-05	45	0-105	0.1021E-04	90-195	0.9999E-05
60-75.00	0.7078E-03	-7.5 TO 97.5	0.7538E-06	82.5-187.5	0.7289E-06	60	0-105	0.7062E-05	90-195	0.6866E-05
75-89.31	0.7244E-03	-7.5 TO 97.5	0.2438E-06	82.5-187.5	0.2286E-06	75	0-105	0.3483E-05	90-195	0.3337E-05

$r_2/r_1 = 0.40$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0084$ $\cosh \mu_2 = 62.4790$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 104.11$

0-15.00	0.1429E-04	-7.5 TO 7.5	0.2566E-05	82.5- 97.5	0.2553E-05	0	0- 15	0.2601E-05	90-105	0.2601E-05
15-30.00	0.4169E-04	-7.5 TO 7.5	0.2393E-05	82.5- 97.5	0.2366E-05	15	0- 15	0.2524E-05	90-105	0.2503E-05
30-45.00	0.6663E-04	-7.5 TO 7.5	0.2045E-05	82.5- 97.5	0.2008E-05	30	0- 15	0.2260E-05	90-105	0.2223E-05
45-60.00	0.8883E-04	-7.5 TO 7.5	0.1550E-05	82.5- 97.5	0.1512E-05	45	0- 15	0.1830E-05	90-105	0.1786E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.9307E-06	82.5- 97.5	0.9184E-06	60	0- 15	0.1272E-05	90-105	0.1230E-05
75-89.31	0.1035E-03	-7.5 TO 7.5	0.3114E-06	82.5- 97.5	0.2927E-06	75	0- 15	0.6317E-06	90-105	0.6018E-06
0-15.00	0.2857E-04	-7.5 TO 22.5	0.2566E-05	82.5-112.5	0.2552E-05	0	0- 30	0.5203E-05	90-120	0.5203E-05
15-30.00	0.8377E-04	-7.5 TO 22.5	0.2393E-05	82.5-112.5	0.2362E-05	15	0- 30	0.5047E-05	90-120	0.5001E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.2045E-05	82.5-112.5	0.2003E-05	30	0- 30	0.4518E-05	90-120	0.4437E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.1550E-05	82.5-112.5	0.1507E-05	45	0- 30	0.3657E-05	90-120	0.3561E-05
60-75.00	0.2022E-03	-7.5 TO 22.5	0.9501E-06	82.5-112.5	0.9144E-06	60	0- 30	0.2540E-05	90-120	0.2451E-05
75-89.31	0.2070E-03	-7.5 TO 22.5	0.3110E-06	82.5-112.5	0.2903E-06	75	0- 30	0.1262E-05	90-120	0.1197E-05
0-15.00	0.4286E-04	-7.5 TO 37.5	0.2566E-05	82.5-127.5	0.2550E-05	0	0- 45	0.7804E-05	90-135	0.7804E-05
15-30.00	0.1257E-03	-7.5 TO 37.5	0.2392E-05	82.5-127.5	0.2359E-05	15	0- 45	0.7568E-05	90-135	0.7496E-05
30-45.00	0.1999E-03	-7.5 TO 37.5	0.2043E-05	82.5-127.5	0.1999E-05	30	0- 45	0.6771E-05	90-135	0.6644E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.1548E-05	82.5-127.5	0.1502E-05	45	0- 45	0.5479E-05	90-135	0.5328E-05
60-75.00	0.3034E-03	-7.5 TO 37.5	0.9488E-06	82.5-127.5	0.9105E-06	60	0- 45	0.3805E-05	90-135	0.3664E-05
75-89.31	0.3105E-03	-7.5 TO 37.5	0.3103E-06	82.5-127.5	0.2881E-06	75	0- 45	0.1888E-05	90-135	0.1787E-05
0-15.00	0.5714E-04	-7.5 TO 52.5	0.2565E-05	82.5-142.5	0.2549E-05	0	0- 60	0.1041E-04	90-150	0.1041E-04
15-30.00	0.1675E-03	-7.5 TO 52.5	0.2390E-05	82.5-142.5	0.2356E-05	15	0- 60	0.1009E-04	90-150	0.9986E-05
30-45.00	0.2665E-03	-7.5 TO 52.5	0.2041E-05	82.5-142.5	0.1995E-05	30	0- 60	0.9018E-05	90-150	0.8844E-05
45-60.00	0.3473E-03	-7.5 TO 52.5	0.1546E-05	82.5-142.5	0.1498E-05	45	0- 60	0.7294E-05	90-150	0.7088E-05
60-75.00	0.4045E-03	-7.5 TO 52.5	0.9469E-06	82.5-142.5	0.9070E-06	60	0- 60	0.5062E-05	90-150	0.4870E-05
75-89.31	0.4139E-03	-7.5 TO 52.5	0.3092E-06	82.5-142.5	0.2860E-06	75	0- 60	0.2509E-05	90-150	0.2371E-05
0-15.00	0.7143E-04	-7.5 TO 67.5	0.2564E-05	82.5-157.5	0.2548E-05	0	0- 75	0.1301E-04	90-165	0.1301E-04
15-30.00	0.2094E-03	-7.5 TO 67.5	0.2388E-05	82.5-157.5	0.2353E-05	15	0- 75	0.1260E-04	90-165	0.1247E-04
30-45.00	0.3331E-03	-7.5 TO 67.5	0.2038E-05	82.5-157.5	0.1991E-05	30	0- 75	0.1126E-04	90-165	0.1104E-04
45-60.00	0.4342E-03	-7.5 TO 67.5	0.1543E-05	82.5-157.5	0.1494E-05	45	0- 75	0.9100E-05	90-165	0.8842E-05
60-75.00	0.5056E-03	-7.5 TO 67.5	0.9444E-06	82.5-157.5	0.9038E-06	60	0- 75	0.6311E-05	90-165	0.6071E-05
75-89.31	0.5174E-03	-7.5 TO 67.5	0.3077E-06	82.5-157.5	0.2842E-06	75	0- 75	0.3125E-05	90-165	0.2952E-05
0-15.00	0.8572E-04	-7.5 TO 82.5	0.2563E-05	82.5-172.5	0.2546E-05	0	0- 90	0.1561E-04	90-180	0.1561E-04
15-30.00	0.2513E-03	-7.5 TO 82.5	0.2386E-05	82.5-172.5	0.2351E-05	15	0- 90	0.1511E-04	90-180	0.1496E-04
30-45.00	0.3998E-03	-7.5 TO 82.5	0.2035E-05	82.5-172.5	0.1988E-05	30	0- 90	0.1349E-04	90-180	0.1323E-04
45-60.00	0.5210E-03	-7.5 TO 82.5	0.1539E-05	82.5-172.5	0.1491E-05	45	0- 90	0.1090E-04	90-180	0.1059E-04
60-75.00	0.6067E-03	-7.5 TO 82.5	0.9415E-06	82.5-172.5	0.9012E-06	60	0- 90	0.7551E-05	90-180	0.7270E-05
75-89.31	0.6209E-03	-7.5 TO 82.5	0.3000E-06	82.5-172.5	0.2827E-06	75	0- 90	0.3733E-05	90-180	0.3532E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.2561E-05	82.5-187.5	0.2546E-05	0	0-105	0.1821E-04	90-195	0.1821E-04
15-30.00	0.2932E-03	-7.5 TO 97.5	0.2383E-05	82.5-187.5	0.2349E-05	15	0-105	0.1761E-04	90-195	0.1745E-04
30-45.00	0.4664E-03	-7.5 TO 97.5	0.2031E-05	82.5-187.5	0.1985E-05	30	0-105	0.1571E-04	90-195	0.1543E-04
45-60.00	0.6078E-03	-7.5 TO 97.5	0.1535E-05	82.5-187.5	0.1488E-05	45	0-105	0.1268E-04	90-195	0.1235E-04
60-75.00	0.7078E-03	-7.5 TO 97.5	0.9382E-06	82.5-187.5	0.8992E-06	60	0-105	0.8781E-05	90-195	0.8469E-05
75-89.31	0.7244E-03	-7.5 TO 97.5	0.3041E-06	82.5-187.5	0.2815E-06	75	0-105	0.4335E-05	90-195	0.4112E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

r_2/r_1 = 0.40 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0084 $\cosh \mu_2$ = 62.4790 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 89.08

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.2743E-05	82.5- 97.5	0.2725E-05	0	0- 15	0.2777E-05	90-105	0.2777E-05
15-30.00	0.4189E-04	-7.5 TO 7.5	0.2563E-05	82.5- 97.5	0.2525E-05	15	0- 15	0.2701E-05	90-105	0.2671E-05
30-45.00	0.6663E-04	-7.5 TO 7.5	0.2195E-05	82.5- 97.5	0.2143E-05	30	0- 15	0.2423E-05	90-105	0.2371E-05
45-60.00	0.8663E-04	-7.5 TO 7.5	0.1667E-05	82.5- 97.5	0.1613E-05	45	0- 15	0.1965E-05	90-105	0.1904E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.1023E-05	82.5- 97.5	0.9805E-06	60	0- 15	0.1368E-05	90-105	0.1312E-05
75-89.31	0.1035E-03	-7.5 TO 7.5	0.3356E-06	82.5- 97.5	0.3124E-06	75	0- 15	0.6803E-06	90-105	0.6417E-06
0-15.00	0.2657E-04	-7.5 TO 22.5	0.2743E-05	82.5-112.5	0.2723E-05	0	0- 30	0.5553E-05	90-120	0.5553E-05
15-30.00	0.8377E-04	-7.5 TO 22.5	0.2563E-05	82.5-112.5	0.2520E-05	15	0- 30	0.5399E-05	90-120	0.5335E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.2194E-05	82.5-112.5	0.2137E-05	30	0- 30	0.4842E-05	90-120	0.4730E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.1666E-05	82.5-112.5	0.1607E-05	45	0- 30	0.3927E-05	90-120	0.3795E-05
60-75.00	0.2022E-03	-7.5 TO 22.5	0.1022E-05	82.5-112.5	0.9751E-06	60	0- 30	0.2732E-05	90-120	0.2611E-05
75-89.31	0.2070E-03	-7.5 TO 22.5	0.3352E-06	82.5-112.5	0.3095E-06	75	0- 30	0.1358E-05	90-120	0.1275E-05
0-15.00	0.4266E-04	-7.5 TO 37.5	0.2742E-05	82.5-127.5	0.2721E-05	0	0- 45	0.8330E-05	90-135	0.8330E-05
15-30.00	0.1257E-03	-7.5 TO 37.5	0.2561E-05	82.5-127.5	0.2516E-05	15	0- 45	0.8095E-05	90-135	0.7994E-05
30-45.00	0.1955E-03	-7.5 TO 37.5	0.2192E-05	82.5-127.5	0.2130E-05	30	0- 45	0.7256E-05	90-135	0.7079E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.1664E-05	82.5-127.5	0.1600E-05	45	0- 45	0.5882E-05	90-135	0.5674E-05
60-75.00	0.3034E-03	-7.5 TO 37.5	0.1021E-05	82.5-127.5	0.9699E-06	60	0- 45	0.4090E-05	90-135	0.3900E-05
75-89.31	0.3105E-03	-7.5 TO 37.5	0.3343E-06	82.5-127.5	0.3068E-06	75	0- 45	0.2032E-05	90-135	0.1901E-05
0-15.00	0.5714E-04	-7.5 TO 52.5	0.2741E-05	82.5-142.5	0.2719E-05	0	0- 60	0.1111E-04	90-150	0.1111E-04
15-30.00	0.1678E-03	-7.5 TO 52.5	0.2559E-05	82.5-142.5	0.2511E-05	15	0- 60	0.1078E-04	90-150	0.1065E-04
30-45.00	0.2665E-03	-7.5 TO 52.5	0.2189E-05	82.5-142.5	0.2125E-05	30	0- 60	0.9661E-05	90-150	0.9420E-05
45-60.00	0.3473E-03	-7.5 TO 52.5	0.1660E-05	82.5-142.5	0.1594E-05	45	0- 60	0.7826E-05	90-150	0.7543E-05
60-75.00	0.4045E-03	-7.5 TO 52.5	0.1018E-05	82.5-142.5	0.9652E-06	60	0- 60	0.5438E-05	90-150	0.5179E-05
75-89.31	0.4139E-03	-7.5 TO 52.5	0.3329E-06	82.5-142.5	0.3042E-06	75	0- 60	0.2699E-05	90-150	0.2520E-05
0-15.00	0.7143E-04	-7.5 TO 67.5	0.2740E-05	82.5-157.5	0.2717E-05	0	0- 75	0.1388E-04	90-165	0.1388E-04
15-30.00	0.2094E-03	-7.5 TO 67.5	0.2556E-05	82.5-157.5	0.2508E-05	15	0- 75	0.1347E-04	90-165	0.1330E-04
30-45.00	0.3331E-03	-7.5 TO 67.5	0.2185E-05	82.5-157.5	0.2120E-05	30	0- 75	0.1206E-04	90-165	0.1176E-04
45-60.00	0.4342E-03	-7.5 TO 67.5	0.1656E-05	82.5-157.5	0.1589E-05	45	0- 75	0.9758E-05	90-165	0.9405E-05
60-75.00	0.5056E-03	-7.5 TO 67.5	0.1015E-05	82.5-157.5	0.9611E-06	60	0- 75	0.6775E-05	90-165	0.6453E-05
75-89.31	0.5174E-03	-7.5 TO 67.5	0.3311E-06	82.5-157.5	0.3021E-06	75	0- 75	0.3358E-05	90-165	0.3136E-05
0-15.00	0.8572E-04	-7.5 TO 82.5	0.2738E-05	82.5-172.5	0.2716E-05	0	0- 90	0.1666E-04	90-180	0.1666E-04
15-30.00	0.2513E-03	-7.5 TO 82.5	0.2553E-05	82.5-172.5	0.2505E-05	15	0- 90	0.1615E-04	90-180	0.1595E-04
30-45.00	0.3995E-03	-7.5 TO 82.5	0.2180E-05	82.5-172.5	0.2116E-05	30	0- 90	0.1444E-04	90-180	0.1409E-04
45-60.00	0.5210E-03	-7.5 TO 82.5	0.1651E-05	82.5-172.5	0.1585E-05	45	0- 90	0.1168E-04	90-180	0.1126E-04
60-75.00	0.6067E-03	-7.5 TO 82.5	0.1011E-05	82.5-172.5	0.9577E-06	60	0- 90	0.8100E-05	90-180	0.7723E-05
75-89.31	0.6209E-03	-7.5 TO 82.5	0.3290E-06	82.5-172.5	0.3002E-06	75	0- 90	0.4008E-05	90-180	0.3749E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.2736E-05	82.5-187.5	0.2715E-05	0	0-105	0.1944E-04	90-195	0.1944E-04
15-30.00	0.2932E-03	-7.5 TO 97.5	0.2549E-05	82.5-187.5	0.2502E-05	15	0-105	0.1882E-04	90-195	0.1859E-04
30-45.00	0.4664E-03	-7.5 TO 97.5	0.2175E-05	82.5-187.5	0.2112E-05	30	0-105	0.1681E-04	90-195	0.1642E-04
45-60.00	0.6078E-03	-7.5 TO 97.5	0.1646E-05	82.5-187.5	0.1582E-05	45	0-105	0.1358E-04	90-195	0.1312E-04
60-75.00	0.7078E-03	-7.5 TO 97.5	0.1007E-05	82.5-187.5	0.9551E-06	60	0-105	0.9412E-05	90-195	0.8993E-05
75-89.31	0.7244E-03	-7.5 TO 97.5	0.3266E-06	82.5-187.5	0.2988E-06	75	0-105	0.4650E-05	90-195	0.4363E-05

r_2/r_1 = 0.40 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0084 $\cosh \mu_2$ = 62.4790 $\alpha_{2,max}$ = 90.69 $\theta_{2,min}$ = 88.40

0-15.00	0.1429E-04	-7.5 TO 7.5	0.2743E-05	82.5- 97.5	0.2725E-05	0	0- 15	0.2777E-05	90-105	0.2777E-05
15-30.00	0.4189E-04	-7.5 TO 7.5	0.2563E-05	82.5- 97.5	0.2525E-05	15	0- 15	0.2701E-05	90-105	0.2671E-05
30-45.00	0.6663E-04	-7.5 TO 7.5	0.2195E-05	82.5- 97.5	0.2143E-05	30	0- 15	0.2423E-05	90-105	0.2371E-05
45-60.00	0.8663E-04	-7.5 TO 7.5	0.1667E-05	82.5- 97.5	0.1613E-05	45	0- 15	0.1966E-05	90-105	0.1904E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.1023E-05	82.5- 97.5	0.9805E-06	60	0- 15	0.1368E-05	90-105	0.1312E-05
75-89.31	0.1035E-03	-7.5 TO 7.5	0.3357E-06	82.5- 97.5	0.3124E-06	75	0- 15	0.6804E-06	90-105	0.6417E-06
0-15.00	0.2657E-04	-7.5 TO 22.5	0.2743E-05	82.5-112.5	0.2723E-05	0	0- 30	0.5553E-05	90-120	0.5553E-05
15-30.00	0.8377E-04	-7.5 TO 22.5	0.2563E-05	82.5-112.5	0.2520E-05	15	0- 30	0.5399E-05	90-120	0.5335E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.2194E-05	82.5-112.5	0.2137E-05	30	0- 30	0.4842E-05	90-120	0.4730E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.1666E-05	82.5-112.5	0.1607E-05	45	0- 30	0.3927E-05	90-120	0.3795E-05
60-75.00	0.2022E-03	-7.5 TO 22.5	0.1023E-05	82.5-112.5	0.9751E-06	60	0- 30	0.2732E-05	90-120	0.2611E-05
75-89.31	0.2070E-03	-7.5 TO 22.5	0.3353E-06	82.5-112.5	0.3095E-06	75	0- 30	0.1358E-05	90-120	0.1275E-05
0-15.00	0.4266E-04	-7.5 TO 37.5	0.2742E-05	82.5-127.5	0.2721E-05	0	0- 45	0.8330E-05	90-135	0.8330E-05
15-30.00	0.1257E-03	-7.5 TO 37.5	0.2561E-05	82.5-127.5	0.2516E-05	15	0- 45	0.8095E-05	90-135	0.7994E-05
30-45.00	0.1955E-03	-7.5 TO 37.5	0.2192E-05	82.5-127.5	0.2130E-05	30	0- 45	0.7256E-05	90-135	0.7079E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.1664E-05	82.5-127.5	0.1600E-05	45	0- 45	0.5882E-05	90-135	0.5674E-05
60-75.00	0.3034E-03	-7.5 TO 37.5	0.1021E-05	82.5-127.5	0.9699E-06	60	0- 45	0.4090E-05	90-135	0.3900E-05
75-89.31	0.3105E-03	-7.5 TO 37.5	0.3343E-06	82.5-127.5	0.3068E-06	75	0- 45	0.2032E-05	90-135	0.1901E-05
0-15.00	0.5714E-04	-7.5 TO 52.5	0.2741E-05	82.5-142.5	0.2719E-05	0	0- 60	0.1111E-04	90-150	0.1111E-04
15-30.00	0.1678E-03	-7.5 TO 52.5	0.2559E-05	82.5-142.5	0.2511E-05	15	0- 60	0.1078E-04	90-150	0.1065E-04
30-45.00	0.2665E-03	-7.5 TO 52.5	0.2189E-05	82.5-142.5	0.2125E-05	30	0- 60	0.9661E-05	90-150	0.9420E-05
45-60.00	0.3473E-03	-7.5 TO 52.5	0.1661E-05	82.5-142.5	0.1594E-05	45	0- 60	0.7826E-05	90-150	0.7543E-05
60-75.00	0.4045E-03	-7.5 TO 52.5	0.1018E-05	82.5-142.5	0.9652E-06	60	0- 60	0.5438E-05	90-150	0.5179E-05
75-89.31	0.4139E-03	-7.5 TO 52.5	0.3329E-06	82.5-142.5	0.3042E-06	75	0- 60	0.2699E-05	90-150	0.2520E-05
0-15.00	0.7143E-04	-7.5 TO 67.5	0.2740E-05	82.5-157.5	0.2717E-05	0	0- 75	0.1388E-04	90-165	0.1388E-04
15-30.00	0.2094E-03	-7.5 TO 67.5	0.2556E-05	82.5-157.5	0.2508E-05	15	0- 75	0.1347E-04	90-165	0.1330E-04
30-45.00	0.3331E-03	-7.5 TO 67.5	0.2185E-05	82.5-157.5	0.2120E-05	30	0- 75	0.1206E-04	90-165	0.1176E-04
45-60.00	0.4342E-03	-7.5 TO 67.5	0.1656E-05	82.5-157.5	0.1589E-05	45	0- 75	0.9759E-05	90-165	0.9405E-05
60-75.00	0.5056E-03	-7.5 TO 67.5	0.1015E-05	82.5-157.5	0.9611E-06	60	0- 75	0.6776E-05	90-165	0.6453E-05
75-89.31	0.5174E-03	-7.5 TO 67.5	0.3311E-06	82.5-157.5	0.3021E-06	75	0- 75	0.3358E-05	90-165	0.3136E-05
0-15.00	0.8572E-04	-7.5 TO 82.5	0.2738E-05	82.5-172.5	0.2716E-05	0	0- 90	0.1666E-04	90-180	0.1666E-04
15-30.00	0.2513E-03	-7.5 TO 82.5	0.2553E-05	82.5-172.5	0.2505E-05	15	0- 90	0.1615E-04	90-180	0.1595E-04
30-45.00	0.3995E-03	-7.5 TO 82.5	0.2180E-05	82.5-172.5	0.2116E-05	30	0- 90	0.1444E-04	90-180	0.1409E-04
45-60.00	0.5210E-03	-7.5 TO 82.5	0.1652E-05	82.5-172.5	0.1585E-05	45	0- 90	0.1168E-04	90-180	0.1126E-04
60-75.00	0.6067E-03	-7.5 TO 82.5	0.1011E-05	82.5-172.5	0.9577E-06	60	0- 90	0.8100E-05	90-180	0.7723E-05
75-89.31	0.6209E-03	-7.5 TO 82.5	0.3290E-06	82.5-172.5	0.3002E-06	75	0- 90	0.4008E-05	90-180	0.3749E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.2736E-05	82.5-187.5	0.2715E-05	0	0-105	0.1944E-04	90-195	0.1944E-04
15-30.00	0.2932E-03	-7.5 TO 97.5	0.2549E-05	82.5-187.5	0.2502E-05	15	0-105	0.1882E-04	90-195	0.1859E-04
30-45.00	0.4664E-03	-7.5 TO 97.5	0.2175E-05	82.5-187.5	0.2112E-05	30	0-105	0.1681E-04	90-195	0.1642E-04
45-60.00	0.6078E-03	-7.5 TO 97.5	0.1646E-05	82.5-187.5	0.1582E-05	45	0-105	0.1358E-04	90-195	0.1312E-04
60-75.00	0.7078E-03	-7.5 TO 97.5	0.1007E-05	82.5-187.5	0.9551E-06	60	0-105	0.9412E-05	90-195	0.8993E-05
75-89.31	0.7244E-03	-7.5 TO 97.5	0.3266E-06	82.5-187.5	0.2988E-06	75	0-105	0.4650E-05	90-195	0.4363E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0042$ $\cosh \mu_2 = 124.9895$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.88$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.4513E-07	82.5- 97.5	0.4511E-07	0	0- 15	0.4592E-07	90-105	0.4592E-07
15-30.00	0.1046E-04	-7.5 TO 7.5	0.4196E-07	82.5- 97.5	0.4192E-07	15	0- 15	0.4432E-07	90-105	0.4429E-07
30-45.00	0.1665E-04	-7.5 TO 7.5	0.3585E-07	82.5- 97.5	0.3579E-07	30	0- 15	0.3960E-07	90-105	0.3954E-07
45-60.00	0.2165E-04	-7.5 TO 7.5	0.2727E-07	82.5- 97.5	0.2720E-07	45	0- 15	0.3211E-07	90-105	0.3204E-07
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1688E-07	82.5- 97.5	0.1682E-07	60	0- 15	0.2244E-07	90-105	0.2237E-07
75-85.66	0.2648E-04	-7.5 TO 7.5	0.5589E-08	82.5- 97.5	0.5551E-08	75	0- 15	0.1133E-07	90-105	0.1128E-07
0-15.00	0.7138E-05	-7.5 TO 22.5	0.4513E-07	82.5-112.5	0.4511E-07	0	0- 30	0.9185E-07	90-120	0.9185E-07
15-30.00	0.2093E-04	-7.5 TO 22.5	0.4196E-07	82.5-112.5	0.4191E-07	15	0- 30	0.8865E-07	90-120	0.8858E-07
30-45.00	0.3329E-04	-7.5 TO 22.5	0.3585E-07	82.5-112.5	0.3578E-07	30	0- 30	0.7919E-07	90-120	0.7906E-07
45-60.00	0.4333E-04	-7.5 TO 22.5	0.2727E-07	82.5-112.5	0.2720E-07	45	0- 30	0.6421E-07	90-120	0.6406E-07
60-75.00	0.5052E-04	-7.5 TO 22.5	0.1687E-07	82.5-112.5	0.1681E-07	60	0- 30	0.4488E-07	90-120	0.4473E-07
75-85.66	0.5296E-04	-7.5 TO 22.5	0.5588E-08	82.5-112.5	0.5546E-08	75	0- 30	0.2266E-07	90-120	0.2254E-07
0-15.00	0.1071E-04	-7.5 TO 37.5	0.4513E-07	82.5-127.5	0.4510E-07	0	0- 45	0.1378E-06	90-135	0.1378E-06
15-30.00	0.3139E-04	-7.5 TO 37.5	0.4196E-07	82.5-127.5	0.4191E-07	15	0- 45	0.1330E-06	90-135	0.1329E-06
30-45.00	0.4994E-04	-7.5 TO 37.5	0.3584E-07	82.5-127.5	0.3577E-07	30	0- 45	0.1188E-06	90-135	0.1186E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.2726E-07	82.5-127.5	0.2719E-07	45	0- 45	0.9631E-07	90-135	0.9607E-07
60-75.00	0.7579E-04	-7.5 TO 37.5	0.1687E-07	82.5-127.5	0.1680E-07	60	0- 45	0.6732E-07	90-135	0.6708E-07
75-85.66	0.7944E-04	-7.5 TO 37.5	0.5587E-08	82.5-127.5	0.5541E-08	75	0- 45	0.3398E-07	90-135	0.3379E-07
0-15.00	0.1428E-04	-7.5 TO 52.5	0.4513E-07	82.5-142.5	0.4510E-07	0	0- 60	0.1837E-06	90-150	0.1837E-06
15-30.00	0.4186E-04	-7.5 TO 52.5	0.4195E-07	82.5-142.5	0.4190E-07	15	0- 60	0.1773E-06	90-150	0.1771E-06
30-45.00	0.6655E-04	-7.5 TO 52.5	0.3584E-07	82.5-142.5	0.3577E-07	30	0- 60	0.1583E-06	90-150	0.1581E-06
45-60.00	0.8677E-04	-7.5 TO 52.5	0.2726E-07	82.5-142.5	0.2718E-07	45	0- 60	0.1284E-06	90-150	0.1281E-06
60-75.00	0.1010E-03	-7.5 TO 52.5	0.1686E-07	82.5-142.5	0.1680E-07	60	0- 60	0.8974E-07	90-150	0.8941E-07
75-85.66	0.1059E-03	-7.5 TO 52.5	0.5584E-08	82.5-142.5	0.5537E-08	75	0- 60	0.4529E-07	90-150	0.4503E-07
0-15.00	0.1785E-04	-7.5 TO 67.5	0.4512E-07	82.5-157.5	0.4510E-07	0	0- 75	0.2296E-06	90-165	0.2296E-06
15-30.00	0.5232E-04	-7.5 TO 67.5	0.4195E-07	82.5-157.5	0.4190E-07	15	0- 75	0.2216E-06	90-165	0.2214E-06
30-45.00	0.8323E-04	-7.5 TO 67.5	0.3584E-07	82.5-157.5	0.3576E-07	30	0- 75	0.1979E-06	90-165	0.1976E-06
45-60.00	0.1085E-03	-7.5 TO 67.5	0.2726E-07	82.5-157.5	0.2717E-07	45	0- 75	0.1605E-06	90-165	0.1601E-06
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1686E-07	82.5-157.5	0.1679E-07	60	0- 75	0.1121E-06	90-165	0.1117E-06
75-85.66	0.1324E-03	-7.5 TO 67.5	0.5582E-08	82.5-157.5	0.5533E-08	75	0- 75	0.5659E-07	90-165	0.5627E-07
0-15.00	0.2141E-04	-7.5 TO 82.5	0.4512E-07	82.5-172.5	0.4510E-07	0	0- 90	0.2755E-06	90-180	0.2755E-06
15-30.00	0.6278E-04	-7.5 TO 82.5	0.4195E-07	82.5-172.5	0.4189E-07	15	0- 90	0.2659E-06	90-180	0.2657E-06
30-45.00	0.9982E-04	-7.5 TO 82.5	0.3583E-07	82.5-172.5	0.3576E-07	30	0- 90	0.2375E-06	90-180	0.2371E-06
45-60.00	0.1302E-03	-7.5 TO 82.5	0.2725E-07	82.5-172.5	0.2717E-07	45	0- 90	0.1925E-06	90-180	0.1920E-06
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1686E-07	82.5-172.5	0.1679E-07	60	0- 90	0.1345E-06	90-180	0.1341E-06
75-85.66	0.1589E-03	-7.5 TO 82.5	0.5578E-08	82.5-172.5	0.5530E-08	75	0- 90	0.6788E-07	90-180	0.6750E-07
0-15.00	0.2498E-04	-7.5 TO 97.5	0.4512E-07	82.5-187.5	0.4510E-07	0	0-105	0.3215E-06	90-195	0.3215E-06
15-30.00	0.7325E-04	-7.5 TO 97.5	0.4194E-07	82.5-187.5	0.4189E-07	15	0-105	0.3102E-06	90-195	0.3099E-06
30-45.00	0.1165E-03	-7.5 TO 97.5	0.3583E-07	82.5-187.5	0.3575E-07	30	0-105	0.2770E-06	90-195	0.2766E-06
45-60.00	0.1519E-03	-7.5 TO 97.5	0.2724E-07	82.5-187.5	0.2717E-07	45	0-105	0.2246E-06	90-195	0.2240E-06
60-75.00	0.1768E-03	-7.5 TO 97.5	0.1685E-07	82.5-187.5	0.1678E-07	60	0-105	0.1569E-06	90-195	0.1564E-06
75-85.66	0.1854E-03	-7.5 TO 97.5	0.5574E-08	82.5-187.5	0.5528E-08	75	0-105	0.7916E-07	90-195	0.7873E-07

$r_2/r_1 = 0.40$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0042$ $\cosh \mu_2 = 124.9895$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 149.77$

0-15.00	0.3569E-05	-7.5 TO 7.5	0.1684E-06	82.5- 97.5	0.1682E-06	0	0- 15	0.1712E-06	90-105	0.1712E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1566E-06	82.5- 97.5	0.1563E-06	15	0- 15	0.1654E-06	90-105	0.1652E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1339E-06	82.5- 97.5	0.1335E-06	30	0- 15	0.1478E-06	90-105	0.1474E-06
45-60.00	0.2165E-04	-7.5 TO 7.5	0.1019E-06	82.5- 97.5	0.1014E-06	45	0- 15	0.1200E-06	90-105	0.1194E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.6314E-07	82.5- 97.5	0.6272E-07	60	0- 15	0.8393E-07	90-105	0.8341E-07
75-85.66	0.2648E-04	-7.5 TO 7.5	0.2098E-07	82.5- 97.5	0.2070E-07	75	0- 15	0.4244E-07	90-105	0.4202E-07
0-15.00	0.7138E-05	-7.5 TO 22.5	0.1684E-06	82.5-112.5	0.1682E-06	0	0- 30	0.3425E-06	90-120	0.3425E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1566E-06	82.5-112.5	0.1563E-06	15	0- 30	0.3308E-06	90-120	0.3302E-06
30-45.00	0.3329E-04	-7.5 TO 22.5	0.1339E-06	82.5-112.5	0.1334E-06	30	0- 30	0.2957E-06	90-120	0.2947E-06
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1019E-06	82.5-112.5	0.1014E-06	45	0- 30	0.2399E-06	90-120	0.2388E-06
60-75.00	0.5052E-04	-7.5 TO 22.5	0.6313E-07	82.5-112.5	0.6266E-07	60	0- 30	0.1678E-06	90-120	0.1667E-06
75-85.66	0.5296E-04	-7.5 TO 22.5	0.2097E-07	82.5-112.5	0.2066E-07	75	0- 30	0.8485E-07	90-120	0.8395E-07
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1683E-06	82.5-127.5	0.1682E-06	0	0- 45	0.5137E-06	90-135	0.5137E-06
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1566E-06	82.5-127.5	0.1562E-06	15	0- 45	0.4961E-06	90-135	0.4953E-06
30-45.00	0.4994E-04	-7.5 TO 37.5	0.1339E-06	82.5-127.5	0.1333E-06	30	0- 45	0.4434E-06	90-135	0.4419E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.1019E-06	82.5-127.5	0.1013E-06	45	0- 45	0.3558E-06	90-135	0.3580E-06
60-75.00	0.7579E-04	-7.5 TO 37.5	0.6312E-07	82.5-127.5	0.6261E-07	60	0- 45	0.2517E-06	90-135	0.2499E-06
75-85.66	0.7944E-04	-7.5 TO 37.5	0.2096E-07	82.5-127.5	0.2063E-07	75	0- 45	0.1272E-06	90-135	0.1258E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1683E-06	82.5-142.5	0.1682E-06	0	0- 60	0.6850E-06	90-150	0.6850E-06
15-30.00	0.4186E-04	-7.5 TO 52.5	0.1566E-06	82.5-142.5	0.1562E-06	15	0- 60	0.6614E-06	90-150	0.6603E-06
30-45.00	0.6655E-04	-7.5 TO 52.5	0.1338E-06	82.5-142.5	0.1333E-06	30	0- 60	0.5911E-06	90-150	0.5891E-06
45-60.00	0.8677E-04	-7.5 TO 52.5	0.1019E-06	82.5-142.5	0.1013E-06	45	0- 60	0.4796E-06	90-150	0.4771E-06
60-75.00	0.1010E-03	-7.5 TO 52.5	0.6309E-07	82.5-142.5	0.6256E-07	60	0- 60	0.3354E-06	90-150	0.3330E-06
75-85.66	0.1059E-03	-7.5 TO 52.5	0.2095E-07	82.5-142.5	0.2060E-07	75	0- 60	0.1695E-06	90-150	0.1676E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1683E-06	82.5-157.5	0.1681E-06	0	0- 75	0.8562E-06	90-165	0.8562E-06
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1566E-06	82.5-157.5	0.1562E-06	15	0- 75	0.8267E-06	90-165	0.8253E-06
30-45.00	0.8323E-04	-7.5 TO 67.5	0.1338E-06	82.5-157.5	0.1333E-06	30	0- 75	0.7387E-06	90-165	0.7362E-06
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1018E-06	82.5-157.5	0.1012E-06	45	0- 75	0.5993E-06	90-165	0.5962E-06
60-75.00	0.1263E-03	-7.5 TO 67.5	0.6306E-07	82.5-157.5	0.6252E-07	60	0- 75	0.4191E-06	90-165	0.4160E-06
75-85.66	0.1324E-03	-7.5 TO 67.5	0.2092E-07	82.5-157.5	0.2057E-07	75	0- 75	0.2117E-06	90-165	0.2093E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.1683E-06	82.5-172.5	0.1681E-06	0	0- 90	0.1027E-05	90-180	0.1027E-05
15-30.00	0.6278E-04	-7.5 TO 82.5	0.1565E-06	82.5-172.5	0.1561E-06	15	0- 90	0.9919E-06	90-180	0.9902E-06
30-45.00	0.9982E-04	-7.5 TO 82.5	0.1338E-06	82.5-172.5	0.1332E-06	30	0- 90	0.8863E-06	90-180	0.8833E-06
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1018E-06	82.5-172.5	0.1012E-06	45	0- 90	0.7188E-06	90-180	0.7152E-06
60-75.00	0.1516E-03	-7.5 TO 82.5	0.6302E-07	82.5-172.5	0.6249E-07	60	0- 90	0.5026E-06	90-180	0.4990E-06
75-85.66	0.1589E-03	-7.5 TO 82.5	0.2090E-07	82.5-172.5	0.2055E-07	75	0- 90	0.2538E-06	90-180	0.2510E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.1683E-06	82.5-187.5	0.1681E-06	0	0-105	0.1199E-05	90-195	0.1199E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.1565E-06	82.5-187.5	0.1561E-06	15	0-105	0.1157E-05	90-195	0.1155E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1337E-06	82.5-187.5	0.1332E-06	30	0-105	0.1034E-05	90-195	0.1030E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.1017E-06	82.5-187.5	0.1012E-06	45	0-105	0.8383E-06	90-195	0.8342E-06
60-75.00	0.1768E-03	-7.5 TO 97.5	0.6298E-07	82.5-187.5	0.6246E-07	60	0-105	0.5860E-06	90-195	0.5820E-06
75-85.66	0.1854E-03	-7.5 TO 97.5	0.2087E-07	82.5-187.5	0.2053E-07	75	0-105	0.2959E-06	90-195	0.2927E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

r_2/r_1 = 0.40 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0042 $\cosh \mu_2$ = 124.9895 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 134.67

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.3364E-06	82.5- 97.5	0.3360E-06	0	0- 15	0.3421E-06	90-105	0.3421E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.3132E-06	82.5- 97.5	0.3122E-06	15	0- 15	0.3306E-06	90-105	0.3298E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.2679E-06	82.5- 97.5	0.2666E-06	30	0- 15	0.2957E-06	90-105	0.2944E-06
45-60.00	0.2165E-04	-7.5 TO 7.5	0.2041E-06	82.5- 97.5	0.2026E-06	45	0- 15	0.2401E-06	90-105	0.2385E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1265E-06	82.5- 97.5	0.1253E-06	60	0- 15	0.1681E-06	90-105	0.1665E-06
75-89.66	0.2648E-04	-7.5 TO 7.5	0.4216E-07	82.5- 97.5	0.4135E-07	75	0- 15	0.8512E-07	90-105	0.8389E-07
0-15.00	0.7136E-05	-7.5 TO 22.5	0.3364E-06	82.5-112.5	0.3359E-06	0	0- 30	0.6841E-06	90-120	0.6841E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.3132E-06	82.5-112.5	0.3121E-06	15	0- 30	0.6611E-06	90-120	0.6595E-06
30-45.00	0.3329E-04	-7.5 TO 22.5	0.2679E-06	82.5-112.5	0.2664E-06	30	0- 30	0.5914E-06	90-120	0.5885E-06
45-60.00	0.4330E-04	-7.5 TO 22.5	0.2040E-06	82.5-112.5	0.2024E-06	45	0- 30	0.4802E-06	90-120	0.4766E-06
60-75.00	0.5052E-04	-7.5 TO 22.5	0.1265E-06	82.5-112.5	0.1251E-06	60	0- 30	0.3361E-06	90-120	0.3327E-06
75-89.66	0.5296E-04	-7.5 TO 22.5	0.4214E-07	82.5-112.5	0.4124E-07	75	0- 30	0.1702E-06	90-120	0.1675E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.3364E-06	82.5-127.5	0.3359E-06	0	0- 45	0.1026E-05	90-135	0.1026E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.3131E-06	82.5-127.5	0.3120E-06	15	0- 45	0.9916E-06	90-135	0.9890E-06
30-45.00	0.4994E-04	-7.5 TO 37.5	0.2678E-06	82.5-127.5	0.2662E-06	30	0- 45	0.8868E-06	90-135	0.8823E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.2040E-06	82.5-127.5	0.2023E-06	45	0- 45	0.7200E-06	90-135	0.7145E-06
60-75.00	0.7579E-04	-7.5 TO 37.5	0.1265E-06	82.5-127.5	0.1250E-06	60	0- 45	0.5039E-06	90-135	0.4986E-06
75-89.66	0.7944E-04	-7.5 TO 37.5	0.4211E-07	82.5-127.5	0.4114E-07	75	0- 45	0.2551E-06	90-135	0.2509E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.3364E-06	82.5-142.5	0.3358E-06	0	0- 60	0.1368E-05	90-150	0.1368E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.3131E-06	82.5-142.5	0.3119E-06	15	0- 60	0.1322E-05	90-150	0.1318E-05
30-45.00	0.6658E-04	-7.5 TO 52.5	0.2678E-06	82.5-142.5	0.2661E-06	30	0- 60	0.1182E-05	90-150	0.1176E-05
45-60.00	0.8677E-04	-7.5 TO 52.5	0.2039E-06	82.5-142.5	0.2021E-06	45	0- 60	0.9596E-06	90-150	0.9520E-06
60-75.00	0.1010E-03	-7.5 TO 52.5	0.1264E-06	82.5-142.5	0.1248E-06	60	0- 60	0.6715E-06	90-150	0.6642E-06
75-89.66	0.1059E-03	-7.5 TO 52.5	0.4206E-07	82.5-142.5	0.4105E-07	75	0- 60	0.3398E-06	90-150	0.3341E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.3364E-06	82.5-157.5	0.3358E-06	0	0- 75	0.1710E-05	90-165	0.1710E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.3130E-06	82.5-157.5	0.3118E-06	15	0- 75	0.1652E-05	90-165	0.1648E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.2677E-06	82.5-157.5	0.2659E-06	30	0- 75	0.1477E-05	90-165	0.1469E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.2038E-06	82.5-157.5	0.2020E-06	45	0- 75	0.1199E-05	90-165	0.1189E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1263E-06	82.5-157.5	0.1247E-06	60	0- 75	0.8388E-06	90-165	0.8296E-06
75-89.66	0.1324E-03	-7.5 TO 67.5	0.4200E-07	82.5-157.5	0.4097E-07	75	0- 75	0.4242E-06	90-165	0.4171E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.3363E-06	82.5-172.5	0.3357E-06	0	0- 90	0.2052E-05	90-180	0.2052E-05
15-30.00	0.6278E-04	-7.5 TO 82.5	0.3129E-06	82.5-172.5	0.3117E-06	15	0- 90	0.1982E-05	90-180	0.1977E-05
30-45.00	0.9987E-04	-7.5 TO 82.5	0.2675E-06	82.5-172.5	0.2658E-06	30	0- 90	0.1772E-05	90-180	0.1763E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.2037E-06	82.5-172.5	0.2018E-06	45	0- 90	0.1438E-05	90-180	0.1427E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1262E-06	82.5-172.5	0.1246E-06	60	0- 90	0.1006E-05	90-180	0.9950E-06
75-89.66	0.1589E-03	-7.5 TO 82.5	0.4193E-07	82.5-172.5	0.4091E-07	75	0- 90	0.5084E-06	90-180	0.5001E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.3363E-06	82.5-187.5	0.3357E-06	0	0-105	0.2394E-05	90-195	0.2394E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.3128E-06	82.5-187.5	0.3116E-06	15	0-105	0.2312E-05	90-195	0.2306E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.2674E-06	82.5-187.5	0.2656E-06	30	0-105	0.2066E-05	90-195	0.2056E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.2035E-06	82.5-187.5	0.2017E-06	45	0-105	0.1676E-05	90-195	0.1664E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.1260E-06	82.5-187.5	0.1245E-06	60	0-105	0.1172E-05	90-195	0.1160E-05
75-89.66	0.1854E-03	-7.5 TO 97.5	0.4184E-07	82.5-187.5	0.4085E-07	75	0-105	0.5923E-06	90-195	0.5830E-06

r_2/r_1 = 0.40 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0042 $\cosh \mu_2$ = 124.9895 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 119.60

0-15.00	0.3569E-05	-7.5 TO 7.5	0.5041E-06	82.5- 97.5	0.5031E-06	0	0- 15	0.5122E-06	90-105	0.5122E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.4695E-06	82.5- 97.5	0.4675E-06	15	0- 15	0.4954E-06	90-105	0.4939E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.4019E-06	82.5- 97.5	0.3992E-06	30	0- 15	0.4435E-06	90-105	0.4408E-06
45-60.00	0.2165E-04	-7.5 TO 7.5	0.3064E-06	82.5- 97.5	0.3034E-06	45	0- 15	0.3604E-06	90-105	0.3571E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1901E-06	82.5- 97.5	0.1876E-06	60	0- 15	0.2525E-06	90-105	0.2493E-06
75-89.66	0.2648E-04	-7.5 TO 7.5	0.6348E-07	82.5- 97.5	0.6192E-07	75	0- 15	0.1280E-06	90-105	0.1256E-06
0-15.00	0.7136E-05	-7.5 TO 22.5	0.5040E-06	82.5-112.5	0.5030E-06	0	0- 30	0.1024E-05	90-120	0.1024E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.4695E-06	82.5-112.5	0.4673E-06	15	0- 30	0.9908E-06	90-120	0.9874E-06
30-45.00	0.3329E-04	-7.5 TO 22.5	0.4019E-06	82.5-112.5	0.3988E-06	30	0- 30	0.8868E-06	90-120	0.8809E-06
45-60.00	0.4339E-04	-7.5 TO 22.5	0.3063E-06	82.5-112.5	0.3031E-06	45	0- 30	0.7205E-06	90-120	0.7134E-06
60-75.00	0.5052E-04	-7.5 TO 22.5	0.1901E-06	82.5-112.5	0.1873E-06	60	0- 30	0.5047E-06	90-120	0.4979E-06
75-89.66	0.5296E-04	-7.5 TO 22.5	0.6346E-07	82.5-112.5	0.6172E-07	75	0- 30	0.2558E-06	90-120	0.2506E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.5040E-06	82.5-127.5	0.5029E-06	0	0- 45	0.1537E-05	90-135	0.1537E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.4694E-06	82.5-127.5	0.4670E-06	15	0- 45	0.1486E-05	90-135	0.1481E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.4018E-06	82.5-127.5	0.3985E-06	30	0- 45	0.1330E-05	90-135	0.1320E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.3062E-06	82.5-127.5	0.3027E-06	45	0- 45	0.1080E-05	90-135	0.1069E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.1900E-06	82.5-127.5	0.1870E-06	60	0- 45	0.7566E-06	90-135	0.7458E-06
75-89.66	0.7944E-04	-7.5 TO 37.5	0.6339E-07	82.5-127.5	0.6153E-07	75	0- 45	0.3834E-06	90-135	0.3751E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.5040E-06	82.5-142.5	0.5028E-06	0	0- 60	0.2049E-05	90-150	0.2049E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.4693E-06	82.5-142.5	0.4668E-06	15	0- 60	0.1981E-05	90-150	0.1974E-05
30-45.00	0.6658E-04	-7.5 TO 52.5	0.4016E-06	82.5-142.5	0.3982E-06	30	0- 60	0.1772E-05	90-150	0.1760E-05
45-60.00	0.8677E-04	-7.5 TO 52.5	0.3060E-06	82.5-142.5	0.3024E-06	45	0- 60	0.1440E-05	90-150	0.1424E-05
60-75.00	0.1010E-03	-7.5 TO 52.5	0.1898E-06	82.5-142.5	0.1867E-06	60	0- 60	0.1008E-05	90-150	0.9933E-06
75-89.66	0.1059E-03	-7.5 TO 52.5	0.6330E-07	82.5-142.5	0.6135E-07	75	0- 60	0.5105E-06	90-150	0.4993E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.5039E-06	82.5-157.5	0.5027E-06	0	0- 75	0.2561E-05	90-165	0.2561E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.4692E-06	82.5-157.5	0.4666E-06	15	0- 75	0.2475E-05	90-165	0.2466E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.4014E-06	82.5-157.5	0.3979E-06	30	0- 75	0.2214E-05	90-165	0.2198E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.3058E-06	82.5-157.5	0.3021E-06	45	0- 75	0.1798E-05	90-165	0.1779E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1896E-06	82.5-157.5	0.1864E-06	60	0- 75	0.1259E-05	90-165	0.1240E-05
75-89.66	0.1324E-03	-7.5 TO 67.5	0.6318E-07	82.5-157.5	0.6120E-07	75	0- 75	0.6372E-06	90-165	0.6232E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.6038E-06	82.5-172.5	0.5026E-06	0	0- 90	0.3073E-05	90-180	0.3073E-05
15-30.00	0.6278E-04	-7.5 TO 82.5	0.4690E-06	82.5-172.5	0.4664E-06	15	0- 90	0.2970E-05	90-180	0.2959E-05
30-45.00	0.9987E-04	-7.5 TO 82.5	0.4012E-06	82.5-172.5	0.3977E-06	30	0- 90	0.2656E-05	90-180	0.2637E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.3055E-06	82.5-172.5	0.3018E-06	45	0- 90	0.2156E-05	90-180	0.2133E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1894E-06	82.5-172.5	0.1862E-06	60	0- 90	0.1509E-05	90-180	0.1487E-05
75-89.66	0.1589E-03	-7.5 TO 82.5	0.6304E-07	82.5-172.5	0.6107E-07	75	0- 90	0.7633E-06	90-180	0.7469E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.5037E-06	82.5-187.5	0.5026E-06	0	0-105	0.3585E-05	90-195	0.3585E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.4688E-06	82.5-187.5	0.4663E-06	15	0-105	0.3464E-05	90-195	0.3452E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.4009E-06	82.5-187.5	0.3975E-06	30	0-105	0.3097E-05	90-195	0.3076E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.3052E-06	82.5-187.5	0.3016E-06	45	0-105	0.2513E-05	90-195	0.2488E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.1891E-06	82.5-187.5	0.1861E-06	60	0-105	0.1758E-05	90-195	0.1734E-05
75-89.66	0.1854E-03	-7.5 TO 97.5	0.6288E-07	82.5-187.5	0.6097E-07	75	0-105	0.8889E-06	90-195	0.8706E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Continued. Radius ratio, r_2/r_1, 0.40

r_2/r_1 = 0.40 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0042 $\cosh \mu_2$ = 124.9895 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 104.56

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3565E-05	-7.5 TO 7.5	0.6262E-06	82.5- 97.5	0.6247E-06	0	0- 15	0.6360E-06	90-105	0.6360E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.5838E-06	82.5- 97.5	0.5805E-06	15	0- 15	0.6157E-06	90-105	0.6131E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.5001E-06	82.5- 97.5	0.4956E-06	30	0- 15	0.5516E-06	90-105	0.5471E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.3815E-06	82.5- 97.5	0.3768E-06	45	0- 15	0.4486E-06	90-105	0.4432E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.2369E-06	82.5- 97.5	0.2329E-06	60	0- 15	0.3145E-06	90-105	0.3094E-06
75-89.66	0.2648E-04	-7.5 TO 7.5	0.7922E-07	82.5- 97.5	0.7688E-07	75	0- 15	0.1595E-06	90-105	0.1558E-06
0-15.00	0.7138E-05	-7.5 TO 22.5	0.6262E-06	82.5-112.5	0.6245E-06	0	0- 30	0.1272E-05	90-120	0.1272E-05
15-30.00	0.2053E-04	-7.5 TO 22.5	0.5837E-06	82.5-112.5	0.5801E-06	15	0- 30	0.1231E-05	90-120	0.1226E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.5001E-06	82.5-112.5	0.4951E-06	30	0- 30	0.1103E-05	90-120	0.1093E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.3814E-06	82.5-112.5	0.3761E-06	45	0- 30	0.8968E-06	90-120	0.8851E-06
60-75.00	0.5052E-04	-7.5 TO 22.5	0.2368E-06	82.5-112.5	0.2324E-06	60	0- 30	0.6286E-06	90-120	0.6177E-06
75-89.66	0.5296E-04	-7.5 TO 22.5	0.7918E-07	82.5-112.5	0.7658E-07	75	0- 30	0.3189E-06	90-120	0.3108E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.6261E-06	82.5-127.5	0.6243E-06	0	0- 45	0.1908E-05	90-135	0.1908E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.5836E-06	82.5-127.5	0.5797E-06	15	0- 45	0.1846E-05	90-135	0.1838E-05
30-45.00	0.4954E-04	-7.5 TO 37.5	0.4999E-06	82.5-127.5	0.4945E-06	30	0- 45	0.1654E-05	90-135	0.1638E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.3812E-06	82.5-127.5	0.3756E-06	45	0- 45	0.1344E-05	90-135	0.1326E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.2367E-06	82.5-127.5	0.2319E-06	60	0- 45	0.9422E-06	90-135	0.9249E-06
75-89.66	0.7944E-04	-7.5 TO 37.5	0.7909E-07	82.5-127.5	0.7630E-07	75	0- 45	0.4777E-06	90-135	0.4651E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.6260E-06	82.5-142.5	0.6241E-06	0	0- 60	0.2544E-05	90-150	0.2544E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.5834E-06	82.5-142.5	0.5793E-06	15	0- 60	0.2461E-05	90-150	0.2449E-05
30-45.00	0.6605E-04	-7.5 TO 52.5	0.4996E-06	82.5-142.5	0.4940E-06	30	0- 60	0.2204E-05	90-150	0.2183E-05
45-60.00	0.8677E-04	-7.5 TO 52.5	0.3809E-06	82.5-142.5	0.3750E-06	45	0- 60	0.1791E-05	90-150	0.1766E-05
60-75.00	0.1010E-03	-7.5 TO 52.5	0.2366E-06	82.5-142.5	0.2315E-06	60	0- 60	0.1255E-05	90-150	0.1231E-05
75-89.66	0.1059E-03	-7.5 TO 52.5	0.7895E-07	82.5-142.5	0.7604E-07	75	0- 60	0.6360E-06	90-150	0.6187E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.6259E-06	82.5-157.5	0.6240E-06	0	0- 75	0.3180E-05	90-165	0.3180E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.5831E-06	82.5-157.5	0.5790E-06	15	0- 75	0.3076E-05	90-165	0.3061E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.4993E-06	82.5-157.5	0.4935E-06	30	0- 75	0.2753E-05	90-165	0.2727E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.3806E-06	82.5-157.5	0.3746E-06	45	0- 75	0.2237E-05	90-165	0.2205E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.2361E-06	82.5-157.5	0.2311E-06	60	0- 75	0.1567E-05	90-165	0.1537E-05
75-89.66	0.1324E-03	-7.5 TO 67.5	0.7877E-07	82.5-157.5	0.7581E-07	75	0- 75	0.7935E-06	90-165	0.7719E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.6258E-06	82.5-172.5	0.6238E-06	0	0- 90	0.3816E-05	90-180	0.3816E-05
15-30.00	0.6278E-04	-7.5 TO 82.5	0.5828E-06	82.5-172.5	0.5787E-06	15	0- 90	0.3689E-05	90-180	0.3672E-05
30-45.00	0.9987E-04	-7.5 TO 82.5	0.4989E-06	82.5-172.5	0.4932E-06	30	0- 90	0.3301E-05	90-180	0.3271E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.3801E-06	82.5-172.5	0.3742E-06	45	0- 90	0.2681E-05	90-180	0.2645E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.2358E-06	82.5-172.5	0.2308E-06	60	0- 90	0.1877E-05	90-180	0.1843E-05
75-89.66	0.1589E-03	-7.5 TO 82.5	0.7855E-07	82.5-172.5	0.7562E-07	75	0- 90	0.9502E-06	90-180	0.9249E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.6256E-06	82.5-187.5	0.6237E-06	0	0-105	0.4452E-05	90-195	0.4452E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.5825E-06	82.5-187.5	0.5785E-06	15	0-105	0.4302E-05	90-195	0.4283E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.4984E-06	82.5-187.5	0.4929E-06	30	0-105	0.3848E-05	90-195	0.3814E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.3797E-06	82.5-187.5	0.3739E-06	45	0-105	0.3124E-05	90-195	0.3084E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.2354E-06	82.5-187.5	0.2305E-06	60	0-105	0.2187E-05	90-195	0.2148E-05
75-89.66	0.1854E-03	-7.5 TO 97.5	0.7831E-07	82.5-187.5	0.7547E-07	75	0-105	0.1106E-05	90-195	0.1078E-05

r_2/r_1 = 0.40 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0042 $\cosh \mu_2$ = 124.9895 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 89.54

0-15.00	0.3565E-05	-7.5 TO 7.5	0.6703E-06	82.5- 97.5	0.6681E-06	0	0- 15	0.6802E-06	90-105	0.6802E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.6255E-06	82.5- 97.5	0.6209E-06	15	0- 15	0.6593E-06	90-105	0.6557E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.5364E-06	82.5- 97.5	0.5301E-06	30	0- 15	0.5913E-06	90-105	0.5850E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.4095E-06	82.5- 97.5	0.4030E-06	45	0- 15	0.4813E-06	90-105	0.4738E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.2544E-06	82.5- 97.5	0.2491E-06	60	0- 15	0.3377E-06	90-105	0.3308E-06
75-89.66	0.2648E-04	-7.5 TO 7.5	0.8515E-07	82.5- 97.5	0.8223E-07	75	0- 15	0.1714E-06	90-105	0.1666E-06
0-15.00	0.7138E-05	-7.5 TO 22.5	0.6703E-06	82.5-112.5	0.6679E-06	0	0- 30	0.1360E-05	90-120	0.1360E-05
15-30.00	0.2053E-04	-7.5 TO 22.5	0.6254E-06	82.5-112.5	0.6203E-06	15	0- 30	0.1318E-05	90-120	0.1311E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.5363E-06	82.5-112.5	0.5293E-06	30	0- 30	0.1182E-05	90-120	0.1169E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.4094E-06	82.5-112.5	0.4021E-06	45	0- 30	0.9621E-06	90-120	0.9460E-06
60-75.00	0.5052E-04	-7.5 TO 22.5	0.2543E-06	82.5-112.5	0.2485E-06	60	0- 30	0.6749E-06	90-120	0.6600E-06
75-89.66	0.5296E-04	-7.5 TO 22.5	0.8510E-07	82.5-112.5	0.8186E-07	75	0- 30	0.3425E-06	90-120	0.3321E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.6702E-06	82.5-127.5	0.6676E-06	0	0- 45	0.2041E-05	90-135	0.2041E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.6252E-06	82.5-127.5	0.6197E-06	15	0- 45	0.1977E-05	90-135	0.1965E-05
30-45.00	0.4954E-04	-7.5 TO 37.5	0.5360E-06	82.5-127.5	0.5285E-06	30	0- 45	0.1772E-05	90-135	0.1751E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.4091E-06	82.5-127.5	0.4013E-06	45	0- 45	0.1442E-05	90-135	0.1417E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.2541E-06	82.5-127.5	0.2478E-06	60	0- 45	0.1011E-05	90-135	0.9878E-06
75-89.66	0.7944E-04	-7.5 TO 37.5	0.8498E-07	82.5-127.5	0.8151E-07	75	0- 45	0.5131E-06	90-135	0.4966E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.6700E-06	82.5-142.5	0.6674E-06	0	0- 60	0.2721E-05	90-150	0.2721E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.6250E-06	82.5-142.5	0.6192E-06	15	0- 60	0.2635E-05	90-150	0.2618E-05
30-45.00	0.6605E-04	-7.5 TO 52.5	0.5357E-06	82.5-142.5	0.5278E-06	30	0- 60	0.2361E-05	90-150	0.2332E-05
45-60.00	0.8677E-04	-7.5 TO 52.5	0.4087E-06	82.5-142.5	0.4006E-06	45	0- 60	0.1921E-05	90-150	0.1886E-05
60-75.00	0.1010E-03	-7.5 TO 52.5	0.2538E-06	82.5-142.5	0.2472E-06	60	0- 60	0.1347E-05	90-150	0.1315E-05
75-89.66	0.1059E-03	-7.5 TO 52.5	0.8481E-07	82.5-142.5	0.8119E-07	75	0- 60	0.6828E-06	90-150	0.6604E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.6699E-06	82.5-157.5	0.6671E-06	0	0- 75	0.3401E-05	90-165	0.3401E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.6246E-06	82.5-157.5	0.6188E-06	15	0- 75	0.3292E-05	90-165	0.3272E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.5352E-06	82.5-157.5	0.5272E-06	30	0- 75	0.2949E-05	90-165	0.2913E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.4082E-06	82.5-157.5	0.4000E-06	45	0- 75	0.2398E-05	90-165	0.2355E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.2534E-06	82.5-157.5	0.2467E-06	60	0- 75	0.1681E-05	90-165	0.1641E-05
75-89.66	0.1324E-03	-7.5 TO 67.5	0.8458E-07	82.5-157.5	0.8090E-07	75	0- 75	0.8516E-06	90-165	0.8236E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.6697E-06	82.5-172.5	0.6670E-06	0	0- 90	0.4081E-05	90-180	0.4081E-05
15-30.00	0.6278E-04	-7.5 TO 82.5	0.6242E-06	82.5-172.5	0.6184E-06	15	0- 90	0.3949E-05	90-180	0.3924E-05
30-45.00	0.9987E-04	-7.5 TO 82.5	0.5346E-06	82.5-172.5	0.5267E-06	30	0- 90	0.3536E-05	90-180	0.3493E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.4076E-06	82.5-172.5	0.3994E-06	45	0- 90	0.2874E-05	90-180	0.2823E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.2529E-06	82.5-172.5	0.2463E-06	60	0- 90	0.2013E-05	90-180	0.1966E-05
75-89.66	0.1589E-03	-7.5 TO 82.5	0.8432E-07	82.5-172.5	0.8067E-07	75	0- 90	0.1019E-05	90-180	0.9865E-06
0-15.00	0.2456E-04	-7.5 TO 97.5	0.6695E-06	82.5-187.5	0.6668E-06	0	0-105	0.4761E-05	90-195	0.4761E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.6237E-06	82.5-187.5	0.6181E-06	15	0-105	0.4604E-05	90-195	0.4577E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.5340E-06	82.5-187.5	0.5263E-06	30	0-105	0.4121E-05	90-195	0.4073E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.4070E-06	82.5-187.5	0.3990E-06	45	0-105	0.3347E-05	90-195	0.3291E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.2524E-06	82.5-187.5	0.2459E-06	60	0-105	0.2344E-05	90-195	0.2292E-05
75-89.66	0.1854E-03	-7.5 TO 97.5	0.8402E-07	82.5-187.5	0.8049E-07	75	0-105	0.1186E-05	90-195	0.1149E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(e) Concluded. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0042$ $\cosh \mu_2 = 124.9895$ $\alpha_{2,max} = 90.34$ $\theta_{2,min} = 89.20$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.6703E-06	82.5- 97.5	0.6681E-06	0	0- 15	0.6802E-06	90-105	0.6802E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.6255E-06	82.5- 97.5	0.6209E-06	15	0- 15	0.6593E-06	90-105	0.6557E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.5364E-06	82.5- 97.5	0.5301E-06	30	0- 15	0.5913E-06	90-105	0.5850E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.4095E-06	82.5- 97.5	0.4030E-06	45	0- 15	0.4813E-06	90-105	0.4738E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.2544E-06	82.5- 97.5	0.2491E-06	60	0- 15	0.3377E-06	90-105	0.3308E-06
75-89.66	0.2648E-04	-7.5 TO 7.5	0.8515E-07	82.5- 97.5	0.8223E-07	75	0- 15	0.1714E-06	90-105	0.1666E-06
0-15.00	0.7136E-05	-7.5 TO 22.5	0.6703E-06	82.5-112.5	0.6679E-06	0	0- 30	0.1360E-05	90-120	0.1360E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.6254E-06	82.5-112.5	0.6203E-06	15	0- 30	0.1318E-05	90-120	0.1311E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.5363E-06	82.5-112.5	0.5293E-06	30	0- 30	0.1182E-05	90-120	0.1169E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.4094E-06	82.5-112.5	0.4021E-06	45	0- 30	0.9621E-06	90-120	0.9460E-06
60-75.00	0.5052E-04	-7.5 TO 22.5	0.2544E-06	82.5-112.5	0.2485E-06	60	0- 30	0.6749E-06	90-120	0.6600E-06
75-89.66	0.5296E-04	-7.5 TO 22.5	0.8510E-07	82.5-112.5	0.8186E-07	75	0- 30	0.3425E-06	90-120	0.3321E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.6702E-06	82.5-127.5	0.6676E-06	0	0- 45	0.2041E-05	90-135	0.2041E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.6252E-06	82.5-127.5	0.6197E-06	15	0- 45	0.1977E-05	90-135	0.1965E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.5360E-06	82.5-127.5	0.5285E-06	30	0- 45	0.1772E-05	90-135	0.1751E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.4091E-06	82.5-127.5	0.4013E-06	45	0- 45	0.1442E-05	90-135	0.1417E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.2541E-06	82.5-127.5	0.2478E-06	60	0- 45	0.1011E-05	90-135	0.9878E-06
75-89.66	0.7944E-04	-7.5 TO 37.5	0.8498E-07	82.5-127.5	0.8151E-07	75	0- 45	0.5131E-06	90-135	0.4966E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.6700E-06	82.5-142.5	0.6674E-06	0	0- 60	0.2721E-05	90-150	0.2721E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.6250E-06	82.5-142.5	0.6192E-06	15	0- 60	0.2635E-05	90-150	0.2618E-05
30-45.00	0.6655E-04	-7.5 TO 52.5	0.5357E-06	82.5-142.5	0.5278E-06	30	0- 60	0.2361E-05	90-150	0.2332E-05
45-60.00	0.8677E-04	-7.5 TO 52.5	0.4087E-06	82.5-142.5	0.4006E-06	45	0- 60	0.1921E-05	90-150	0.1886E-05
60-75.00	0.1010E-03	-7.5 TO 52.5	0.2538E-06	82.5-142.5	0.2472E-06	60	0- 60	0.1347E-05	90-150	0.1315E-05
75-89.66	0.1059E-03	-7.5 TO 52.5	0.8481E-07	82.5-142.5	0.8119E-07	75	0- 60	0.6828E-06	90-150	0.6604E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.6699E-06	82.5-157.5	0.6671E-06	0	0- 75	0.3401E-05	90-165	0.3401E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.6246E-06	82.5-157.5	0.6188E-06	15	0- 75	0.3292E-05	90-165	0.3272E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.5352E-06	82.5-157.5	0.5272E-06	30	0- 75	0.2949E-05	90-165	0.2913E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.4082E-06	82.5-157.5	0.4000E-06	45	0- 75	0.2398E-05	90-165	0.2355E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.2534E-06	82.5-157.5	0.2467E-06	60	0- 75	0.1681E-05	90-165	0.1641E-05
75-89.66	0.1324E-03	-7.5 TO 67.5	0.8458E-07	82.5-157.5	0.8090E-07	75	0- 75	0.8516E-06	90-165	0.8236E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.6697E-06	82.5-172.5	0.6670E-06	0	0- 90	0.4081E-05	90-180	0.4081E-05
15-30.00	0.6278E-04	-7.5 TO 82.5	0.6242E-06	82.5-172.5	0.6184E-06	15	0- 90	0.3949E-05	90-180	0.3924E-05
30-45.00	0.9987E-04	-7.5 TO 82.5	0.5346E-06	82.5-172.5	0.5267E-06	30	0- 90	0.3536E-05	90-180	0.3493E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.4076E-06	82.5-172.5	0.3994E-06	45	0- 90	0.2874E-05	90-180	0.2823E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.2529E-06	82.5-172.5	0.2463E-06	60	0- 90	0.2013E-05	90-180	0.1966E-05
75-89.66	0.1589E-03	-7.5 TO 82.5	0.8432E-07	82.5-172.5	0.8067E-07	75	0- 90	0.1019E-05	90-180	0.9865E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.6695E-06	82.5-187.5	0.6668E-06	0	0-105	0.4761E-05	90-195	0.4761E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.6237E-06	82.5-187.5	0.6181E-06	15	0-105	0.4604E-05	90-195	0.4577E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.5340E-06	82.5-187.5	0.5263E-06	30	0-105	0.4121E-05	90-195	0.4073E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.4070E-06	82.5-187.5	0.3990E-06	45	0-105	0.3347E-05	90-195	0.3291E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.2524E-06	82.5-187.5	0.2459E-06	60	0-105	0.2344E-05	90-195	0.2292E-05
75-89.66	0.1854E-03	-7.5 TO 97.5	0.8402E-07	82.5-187.5	0.8049E-07	75	0-105	0.1186E-05	90-195	0.1149E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 1.501$ $\cosh \mu_1 = 1.0003$ $\cosh \mu_2 = 1.0013$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 22.18$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1337E 02	-7.5 TO 7.5	0.1454E 00	82.5- 97.5	0.4811E-05	0	0- 15	0.4155E-01	90-105	0.4155E-01
15-30.00	0.3921E 02	-7.5 TO 7.5	0.2970E-04	82.5- 97.5	0.	15	0- 15	0.4443E-03	90-105	0.
30-45.00	0.6238E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	30	0- 15	0.	90-105	0.
45-60.00	0.8129E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
60-70.54	0.9551E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.2675E 02	-7.5 TO 22.5	0.9243E-01	82.5-112.5	0.3673E-05	0	0- 30	0.8311E-01	90-120	0.8311E-01
15-30.00	0.7843E 02	-7.5 TO 22.5	0.2584E-04	82.5-112.5	0.	15	0- 30	0.6880E-03	90-120	0.
30-45.00	0.1246E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	30	0- 30	0.	90-120	0.
45-60.00	0.1626E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
60-70.54	0.1910E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.4012E 02	-7.5 TO 37.5	0.6307E-01	82.5-127.5	0.3050E-05	0	0- 45	0.1247E 00	90-135	0.1247E 00
15-30.00	0.1176E 03	-7.5 TO 37.5	0.1987E-04	82.5-127.5	0.	15	0- 45	0.7606E-03	90-135	0.
30-45.00	0.1871E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	30	0- 45	0.	90-135	0.
45-60.00	0.2439E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
60-70.54	0.2865E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.5350E 02	-7.5 TO 52.5	0.4750E-01	82.5-142.5	0.2641E-05	0	0- 60	0.1662E 00	90-150	0.1662E 00
15-30.00	0.1569E 03	-7.5 TO 52.5	0.1519E-04	82.5-142.5	0.	15	0- 60	0.7681E-03	90-150	0.
30-45.00	0.2495E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	30	0- 60	0.	90-150	0.
45-60.00	0.3252E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
60-70.54	0.3820E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.6687E 02	-7.5 TO 67.5	0.3803E-01	82.5-157.5	0.2354E-05	0	0- 75	0.2078E 00	90-165	0.2078E 00
15-30.00	0.1961E 03	-7.5 TO 67.5	0.1216E-04	82.5-157.5	0.	15	0- 75	0.7681E-03	90-165	0.
30-45.00	0.3119E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	30	0- 75	0.	90-165	0.
45-60.00	0.4065E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
60-70.54	0.3275E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.8025E 02	-7.5 TO 82.5	0.3170E-01	82.5-172.5	0.2144E-05	0	0- 90	0.2493E 00	90-180	0.2493E 00
15-30.00	0.2353E 03	-7.5 TO 82.5	0.1014E-04	82.5-172.5	0.	15	0- 90	0.7681E-03	90-180	0.
30-45.00	0.3743E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	30	0- 90	0.	90-180	0.
45-60.00	0.4878E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
60-70.54	0.3931E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.9362E 02	-7.5 TO 97.5	0.2717E-01	82.5-187.5	0.1990E-05	0	0-105	0.2909E 00	90-195	0.2909E 00
15-30.00	0.2745E 03	-7.5 TO 97.5	0.8688E-05	82.5-187.5	0.	15	0-105	0.7681E-03	90-195	0.
30-45.00	0.4367E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	30	0-105	0.	90-195	0.
45-60.00	0.5691E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.
60-70.54	0.4586E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.

$r_2/r_1 = 0.50$ $d/r_1 = 1.501$ $\cosh \mu_1 = 1.0003$ $\cosh \mu_2 = 1.0013$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 11.00$

0-15.00	0.1337E 02	-7.5 TO 7.5	0.3308E 00	82.5- 97.5	0.5365E-05	0	0- 15	0.4155E-01	90-105	0.4155E-01
15-30.00	0.3921E 02	-7.5 TO 7.5	0.1580E-01	82.5- 97.5	0.	15	0- 15	0.9229E-01	90-105	0.
30-45.00	0.6238E 02	-7.5 TO 7.5	0.8234E-04	82.5- 97.5	0.	30	0- 15	0.6479E-03	90-105	0.
45-60.00	0.8129E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
60-70.54	0.9551E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.2675E 02	-7.5 TO 22.5	0.2287E 00	82.5-112.5	0.3951E-05	0	0- 30	0.8311E-01	90-120	0.8311E-01
15-30.00	0.7843E 02	-7.5 TO 22.5	0.1304E-01	82.5-112.5	0.	15	0- 30	0.1232E 00	90-120	0.
30-45.00	0.1246E 03	-7.5 TO 22.5	0.7011E-04	82.5-112.5	0.	30	0- 30	0.9970E-03	90-120	0.
45-60.00	0.1626E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
60-70.54	0.1910E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.4012E 02	-7.5 TO 37.5	0.1599E 00	82.5-127.5	0.3234E-05	0	0- 45	0.1247E 00	90-135	0.1247E 00
15-30.00	0.1176E 03	-7.5 TO 37.5	0.9904E-02	82.5-127.5	0.	15	0- 45	0.1305E 00	90-135	0.
30-45.00	0.1871E 03	-7.5 TO 37.5	0.5286E-04	82.5-127.5	0.	30	0- 45	0.1083E-02	90-135	0.
45-60.00	0.2439E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
60-70.54	0.2865E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.5350E 02	-7.5 TO 52.5	0.1210E 00	82.5-142.5	0.2780E-05	0	0- 60	0.1662E 00	90-150	0.1662E 00
15-30.00	0.1569E 03	-7.5 TO 52.5	0.7671E-02	82.5-142.5	0.	15	0- 60	0.1321E 00	90-150	0.
30-45.00	0.2495E 03	-7.5 TO 52.5	0.4009E-04	82.5-142.5	0.	30	0- 60	0.1086E-02	90-150	0.
45-60.00	0.3252E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
60-70.54	0.3820E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.6687E 02	-7.5 TO 67.5	0.9693E-01	82.5-157.5	0.2465E-05	0	0- 75	0.2078E 00	90-165	0.2078E 00
15-30.00	0.1961E 03	-7.5 TO 67.5	0.6176E-02	82.5-157.5	0.	15	0- 75	0.1324E 00	90-165	0.
30-45.00	0.3119E 03	-7.5 TO 67.5	0.3208E-04	82.5-157.5	0.	30	0- 75	0.1086E-02	90-165	0.
45-60.00	0.4065E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
60-70.54	0.3275E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.8025E 02	-7.5 TO 82.5	0.8079E-01	82.5-172.5	0.2237E-05	0	0- 90	0.2493E 00	90-180	0.2493E 00
15-30.00	0.2353E 03	-7.5 TO 82.5	0.5151E-02	82.5-172.5	0.	15	0- 90	0.1324E 00	90-180	0.
30-45.00	0.3743E 03	-7.5 TO 82.5	0.2673E-04	82.5-172.5	0.	30	0- 90	0.1086E-02	90-180	0.
45-60.00	0.4878E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
60-70.54	0.3931E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.9362E 02	-7.5 TO 97.5	0.6925E-01	82.5-187.5	0.2069E-05	0	0-105	0.2909E 00	90-195	0.2909E 00
15-30.00	0.2745E 03	-7.5 TO 97.5	0.4415E-02	82.5-187.5	0.	15	0-105	0.1324E 00	90-195	0.
30-45.00	0.4367E 03	-7.5 TO 97.5	0.2291E-04	82.5-187.5	0.	30	0-105	0.1086E-02	90-195	0.
45-60.00	0.5691E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.
60-70.54	0.4586E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 1.501$ $\cosh \mu_1 = 1.0003$ $\cosh \mu_2 = 1.0013$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 7.13$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1337E 02	-7.5 TO 7.5	0.3624E 00	82.5- 97.5	0.5365E-05	0	0- 15	0.4155E-01	90-105	0.4155E-01
15-30.00	0.3921E 02	-7.5 TO 7.5	0.6328E-01	82.5- 97.5	0.	15	0- 15	0.1759E 00	90-105	0.
30-45.00	0.6238E 02	-7.5 TO 7.5	0.3355E-02	82.5- 97.5	0.	30	0- 15	0.1165E-01	90-105	0.
45-60.00	0.8129E 02	-7.5 TO 7.5	0.2924E-04	82.5- 97.5	0.	45	0- 15	0.2613E-03	90-105	0.
60-70.54	0.9551E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.2675E 02	-7.5 TO 22.5	0.2547E 00	82.5-112.5	0.3951E-05	0	0- 30	0.8311E-01	90-120	0.8311E-01
15-30.00	0.7843E 02	-7.5 TO 22.5	0.5275E-01	82.5-112.5	0.	15	0- 30	0.2386E 00	90-120	0.
30-45.00	0.1249E 03	-7.5 TO 22.5	0.2980E-02	82.5-112.5	0.	30	0- 30	0.1849E-01	90-120	0.
45-60.00	0.1626E 03	-7.5 TO 22.5	0.2352E-04	82.5-112.5	0.	45	0- 30	0.3753E-03	90-120	0.
60-70.54	0.1310E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.4012E 02	-7.5 TO 37.5	0.1793E 00	82.5-127.5	0.3234E-05	0	0- 45	0.1247E 00	90-135	0.1247E 00
15-30.00	0.1176E 03	-7.5 TO 37.5	0.4037E-01	82.5-127.5	0.	15	0- 45	0.2537E 00	90-135	0.
30-45.00	0.1871E 03	-7.5 TO 37.5	0.2404E-02	82.5-127.5	0.	30	0- 45	0.2111E-01	90-135	0.
45-60.00	0.2439E 03	-7.5 TO 37.5	0.1681E-04	82.5-127.5	0.	45	0- 45	0.3852E-03	90-135	0.
60-70.54	0.1965E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.5350E 02	-7.5 TO 52.5	0.1359E 00	82.5-142.5	0.2780E-05	0	0- 60	0.1662E 00	90-150	0.1662E 00
15-30.00	0.1569E 03	-7.5 TO 52.5	0.3136E-01	82.5-142.5	0.	15	0- 60	0.2566E 00	90-150	0.
30-45.00	0.2495E 03	-7.5 TO 52.5	0.1897E-02	82.5-142.5	0.	30	0- 60	0.2180E-01	90-150	0.
45-60.00	0.3252E 03	-7.5 TO 52.5	0.1263E-04	82.5-142.5	0.	45	0- 60	0.3852E-03	90-150	0.
60-70.54	0.2620E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.6687E 02	-7.5 TO 67.5	0.1089E 00	82.5-157.5	0.2465E-05	0	0- 75	0.2078E 00	90-165	0.2078E 00
15-30.00	0.1961E 03	-7.5 TO 67.5	0.2526E-01	82.5-157.5	0.	15	0- 75	0.2569E 00	90-165	0.
30-45.00	0.3115E 03	-7.5 TO 67.5	0.1530E-02	82.5-157.5	0.	30	0- 75	0.2190E-01	90-165	0.
45-60.00	0.4065E 03	-7.5 TO 67.5	0.1010E-04	82.5-157.5	0.	45	0- 75	0.3852E-03	90-165	0.
60-70.54	0.3275E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.8025E 02	-7.5 TO 82.5	0.9074E-01	82.5-172.5	0.2237E-05	0	0- 90	0.2493E 00	90-180	0.2493E 00
15-30.00	0.2353E 03	-7.5 TO 82.5	0.2107E-01	82.5-172.5	0.	15	0- 90	0.2570E 00	90-180	0.
30-45.00	0.3743E 03	-7.5 TO 82.5	0.1276E-02	82.5-172.5	0.	30	0- 90	0.2190E-01	90-180	0.
45-60.00	0.4878E 03	-7.5 TO 82.5	0.8421E-05	82.5-172.5	0.	45	0- 90	0.3852E-03	90-180	0.
60-70.54	0.3931E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.9362E 02	-7.5 TO 97.5	0.7777E-01	82.5-187.5	0.2069E-05	0	0-105	0.2909E 00	90-195	0.2909E 00
15-30.00	0.2745E 03	-7.5 TO 97.5	0.1806E-01	82.5-187.5	0.	15	0-105	0.2570E 00	90-195	0.
30-45.00	0.4367E 03	-7.5 TO 97.5	0.1094E-02	82.5-187.5	0.	30	0-105	0.2190E-01	90-195	0.
45-60.00	0.5691E 03	-7.5 TO 97.5	0.7218E-05	82.5-187.5	0.	45	0-105	0.3852E-03	90-195	0.
60-70.54	0.4586E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.

$r_2/r_1 = 0.50$ $d/r_1 = 1.501$ $\cosh \mu_1 = 1.0003$ $\cosh \mu_2 = 1.0013$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 5.12$

0-15.00	0.1337E 02	-7.5 TO 7.5	0.3658E 00	82.5- 97.5	0.5365E-05	0	0- 15	0.4155E-01	90-105	0.4155E-01
15-30.00	0.3921E 02	-7.5 TO 7.5	0.8773E-01	82.5- 97.5	0.	15	0- 15	0.1867E 00	90-105	0.
30-45.00	0.6238E 02	-7.5 TO 7.5	0.1122E-01	82.5- 97.5	0.	30	0- 15	0.2905E-01	90-105	0.
45-60.00	0.8129E 02	-7.5 TO 7.5	0.5278E-03	82.5- 97.5	0.	45	0- 15	0.2614E-02	90-105	0.
60-70.54	0.9551E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
0-15.00	0.2675E 02	-7.5 TO 22.5	0.2574E 00	82.5-112.5	0.3951E-05	0	0- 30	0.8311E-01	90-120	0.8311E-01
15-30.00	0.7843E 02	-7.5 TO 22.5	0.7392E-01	82.5-112.5	0.	15	0- 30	0.2530E 00	90-120	0.
30-45.00	0.1249E 03	-7.5 TO 22.5	0.1005E-01	82.5-112.5	0.	30	0- 30	0.4619E-01	90-120	0.
45-60.00	0.1626E 03	-7.5 TO 22.5	0.5372E-03	82.5-112.5	0.	45	0- 30	0.4249E-02	90-120	0.
60-70.54	0.1310E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
0-15.00	0.4012E 02	-7.5 TO 37.5	0.1813E 00	82.5-127.5	0.3234E-05	0	0- 45	0.1247E 00	90-135	0.1247E 00
15-30.00	0.1176E 03	-7.5 TO 37.5	0.5706E-01	82.5-127.5	0.	15	0- 45	0.2687E 00	90-135	0.
30-45.00	0.1871E 03	-7.5 TO 37.5	0.8209E-02	82.5-127.5	0.	30	0- 45	0.5292E-01	90-135	0.
45-60.00	0.2439E 03	-7.5 TO 37.5	0.4388E-03	82.5-127.5	0.	45	0- 45	0.4864E-02	90-135	0.
60-70.54	0.1965E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
0-15.00	0.5350E 02	-7.5 TO 52.5	0.1373E 00	82.5-142.5	0.2780E-05	0	0- 60	0.1662E 00	90-150	0.1662E 00
15-30.00	0.1569E 03	-7.5 TO 52.5	0.4441E-01	82.5-142.5	0.	15	0- 60	0.2716E 00	90-150	0.
30-45.00	0.2495E 03	-7.5 TO 52.5	0.6550E-02	82.5-142.5	0.	30	0- 60	0.5478E-01	90-150	0.
45-60.00	0.3252E 03	-7.5 TO 52.5	0.3425E-03	82.5-142.5	0.	45	0- 60	0.4973E-02	90-150	0.
60-70.54	0.2620E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
0-15.00	0.6687E 02	-7.5 TO 67.5	0.1100E 00	82.5-157.5	0.2465E-05	0	0- 75	0.2078E 00	90-165	0.2078E 00
15-30.00	0.1961E 03	-7.5 TO 67.5	0.3578E-01	82.5-157.5	0.	15	0- 75	0.2719E 00	90-165	0.
30-45.00	0.3115E 03	-7.5 TO 67.5	0.5307E-02	82.5-157.5	0.	30	0- 75	0.5503E-01	90-165	0.
45-60.00	0.4065E 03	-7.5 TO 67.5	0.2748E-03	82.5-157.5	0.	45	0- 75	0.4975E-02	90-165	0.
60-70.54	0.3275E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
0-15.00	0.8025E 02	-7.5 TO 82.5	0.9170E-01	82.5-172.5	0.2237E-05	0	0- 90	0.2493E 00	90-180	0.2493E 00
15-30.00	0.2353E 03	-7.5 TO 82.5	0.2983E-01	82.5-172.5	0.	15	0- 90	0.2719E 00	90-180	0.
30-45.00	0.3743E 03	-7.5 TO 82.5	0.4427E-02	82.5-172.5	0.	30	0- 90	0.5504E-01	90-180	0.
45-60.00	0.4878E 03	-7.5 TO 82.5	0.2290E-03	82.5-172.5	0.	45	0- 90	0.4975E-02	90-180	0.
60-70.54	0.3931E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
0-15.00	0.9362E 02	-7.5 TO 97.5	0.7860E-01	82.5-187.5	0.2069E-05	0	0-105	0.2909E 00	90-195	0.2909E 00
15-30.00	0.2745E 03	-7.5 TO 97.5	0.2557E-01	82.5-187.5	0.	15	0-105	0.2719E 00	90-195	0.
30-45.00	0.4367E 03	-7.5 TO 97.5	0.3795E-02	82.5-187.5	0.	30	0-105	0.5504E-01	90-195	0.
45-60.00	0.5691E 03	-7.5 TO 97.5	0.1963E-03	82.5-187.5	0.	45	0-105	0.4975E-02	90-195	0.
60-70.54	0.4586E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 1.501$ $\cosh \mu_1 = 1.0003$ $\cosh \mu_2 = 1.0013$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 3.85$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1337E 02	-7.5 TO 7.5	0.3658E 00	82.5- 97.5	0.5365E-05	0	0- 15	0.4155E-01	90-105	0.4155E-01
15-30.00	0.3921E 02	-7.5 TO 7.5	0.9393E-01	82.5- 97.5	0.	15	0- 15	0.1867E 00	90-105	0.
30-45.00	0.6238E 02	-7.5 TO 7.5	0.1726E-01	82.5- 97.5	0.	30	0- 15	0.3804E-01	90-105	0.
45-60.00	0.8126E 02	-7.5 TO 7.5	0.2024E-02	82.5- 97.5	0.	45	0- 15	0.5577E-02	90-105	0.
60-70.54	0.9551E 02	-7.5 TO 7.5	0.4074E-04	82.5- 97.5	0.	60	0- 15	0.2245E-03	90-105	0.
0-15.00	0.2675E 02	-7.5 TO 22.5	0.2574E 00	82.5-112.5	0.3951E-05	0	0- 30	0.8311E-01	90-120	0.8311E-01
15-30.00	0.7843E 02	-7.5 TO 22.5	0.7935E-01	82.5-112.5	0.	15	0- 30	0.2530E 00	90-120	0.
30-45.00	0.1248E 03	-7.5 TO 22.5	0.1551E-01	82.5-112.5	0.	30	0- 30	0.6071E-01	90-120	0.
45-60.00	0.1626E 03	-7.5 TO 22.5	0.1825E-02	82.5-112.5	0.	45	0- 30	0.9237E-02	90-120	0.
60-70.54	0.1910E 03	-7.5 TO 22.5	0.3299E-04	82.5-112.5	0.	60	0- 30	0.3225E-03	90-120	0.
0-15.00	0.4012E 02	-7.5 TO 37.5	0.1813E 00	82.5-127.5	0.3234E-05	0	0- 45	0.1247E 00	90-135	0.1247E 00
15-30.00	0.1176E 03	-7.5 TO 37.5	0.6133E-01	82.5-127.5	0.	15	0- 45	0.2687E 00	90-135	0.
30-45.00	0.1871E 03	-7.5 TO 37.5	0.1274E-01	82.5-127.5	0.	30	0- 45	0.6955E-01	90-135	0.
45-60.00	0.2439E 03	-7.5 TO 37.5	0.1492E-02	82.5-127.5	0.	45	0- 45	0.1080E-01	90-135	0.
60-70.54	0.2865E 03	-7.5 TO 37.5	0.2355E-04	82.5-127.5	0.	60	0- 45	0.3310E-03	90-135	0.
0-15.00	0.5350E 02	-7.5 TO 52.5	0.1373E 00	82.5-142.5	0.2780E-05	0	0- 60	0.1662E 00	90-150	0.1662E 00
15-30.00	0.1569E 03	-7.5 TO 52.5	0.4773E-01	82.5-142.5	0.	15	0- 60	0.2716E 00	90-150	0.
30-45.00	0.2495E 03	-7.5 TO 52.5	0.1019E-01	82.5-142.5	0.	30	0- 60	0.7176E-01	90-150	0.
45-60.00	0.3252E 03	-7.5 TO 52.5	0.1181E-02	82.5-142.5	0.	45	0- 60	0.1118E-01	90-150	0.
60-70.54	0.3820E 03	-7.5 TO 52.5	0.1769E-04	82.5-142.5	0.	60	0- 60	0.3310E-03	90-150	0.
0-15.00	0.6687E 02	-7.5 TO 67.5	0.1100E 00	82.5-157.5	0.2465E-05	0	0- 75	0.2078E 00	90-165	0.2078E 00
15-30.00	0.1961E 03	-7.5 TO 67.5	0.3843E-01	82.5-157.5	0.	15	0- 75	0.2719E 00	90-165	0.
30-45.00	0.3119E 03	-7.5 TO 67.5	0.8250E-02	82.5-157.5	0.	30	0- 75	0.7202E-01	90-165	0.
45-60.00	0.4065E 03	-7.5 TO 67.5	0.9513E-03	82.5-157.5	0.	45	0- 75	0.1121E-01	90-165	0.
60-70.54	0.4775E 03	-7.5 TO 67.5	0.1415E-04	82.5-157.5	0.	0	0- 75	0.3310E-03	90-165	0.
0-15.00	0.8025E 02	-7.5 TO 82.5	0.9170E-01	82.5-172.5	0.2237E-05	0	0- 90	0.2493E 00	90-180	0.2493E 00
15-30.00	0.2353E 03	-7.5 TO 82.5	0.3204E-01	82.5-172.5	0.	15	0- 90	0.2719E 00	90-180	0.
30-45.00	0.3743E 03	-7.5 TO 82.5	0.6880E-02	82.5-172.5	0.	30	0- 90	0.7202E-01	90-180	0.
45-60.00	0.4878E 03	-7.5 TO 82.5	0.7929E-03	82.5-172.5	0.	45	0- 90	0.1121E-01	90-180	0.
60-70.54	0.5731E 03	-7.5 TO 82.5	0.1179E-04	82.5-172.5	0.	60	0- 90	0.3310E-03	90-180	0.
0-15.00	0.9362E 02	-7.5 TO 97.5	0.7860E-01	82.5-187.5	0.2069E-05	0	0-105	0.2909E 00	90-195	0.2909E 00
15-30.00	0.2745E 03	-7.5 TO 97.5	0.2747E-01	82.5-187.5	0.	15	0-105	0.2719E 00	90-195	0.
30-45.00	0.4367E 03	-7.5 TO 97.5	0.5897E-02	82.5-187.5	0.	30	0-105	0.7202E-01	90-195	0.
45-60.00	0.5691E 03	-7.5 TO 97.5	0.6796E-03	82.5-187.5	0.	45	0-105	0.1121E-01	90-195	0.
60-70.54	0.6566E 03	-7.5 TO 97.5	0.1011E-04	82.5-187.5	0.	60	0-105	0.3310E-03	90-195	0.

$r_2/r_1 = 0.50$ $d/r_1 = 1.501$ $\cosh \mu_1 = 1.0003$ $\cosh \mu_2 = 1.0013$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 2.96$

0-15.00	0.1337E 02	-7.5 TO 7.5	0.3658E 00	82.5- 97.5	0.5365E-05	0	0- 15	0.4155E-01	90-105	0.4155E-01
15-30.00	0.3921E 02	-7.5 TO 7.5	0.9455E-01	82.5- 97.5	0.	15	0- 15	0.1867E 00	90-105	0.
30-45.00	0.6238E 02	-7.5 TO 7.5	0.1958E-01	82.5- 97.5	0.	30	0- 15	0.3993E-01	90-105	0.
45-60.00	0.8126E 02	-7.5 TO 7.5	0.2979E-02	82.5- 97.5	0.	45	0- 15	0.7292E-02	90-105	0.
60-70.54	0.9551E 02	-7.5 TO 7.5	0.1528E-03	82.5- 97.5	0.	60	0- 15	0.5651E-03	90-105	0.
0-15.00	0.2675E 02	-7.5 TO 22.5	0.2574E 00	82.5-112.5	0.3951E-05	0	0- 30	0.8311E-01	90-120	0.8311E-01
15-30.00	0.7843E 02	-7.5 TO 22.5	0.7986E-01	82.5-112.5	0.	15	0- 30	0.2530E 00	90-120	0.
30-45.00	0.1248E 03	-7.5 TO 22.5	0.1760E-01	82.5-112.5	0.	30	0- 30	0.6357E-01	90-120	0.
45-60.00	0.1626E 03	-7.5 TO 22.5	0.2699E-02	82.5-112.5	0.	45	0- 30	0.1211E-01	90-120	0.
60-70.54	0.1910E 03	-7.5 TO 22.5	0.1307E-03	82.5-112.5	0.	60	0- 30	0.8772E-03	90-120	0.
0-15.00	0.4012E 02	-7.5 TO 37.5	0.1813E 00	82.5-127.5	0.3234E-05	0	0- 45	0.1247E 00	90-135	0.1247E 00
15-30.00	0.1176E 03	-7.5 TO 37.5	0.6172E-01	82.5-127.5	0.	15	0- 45	0.2687E 00	90-135	0.
30-45.00	0.1871E 03	-7.5 TO 37.5	0.1444E-01	82.5-127.5	0.	30	0- 45	0.7257E-01	90-135	0.
45-60.00	0.2439E 03	-7.5 TO 37.5	0.2224E-02	82.5-127.5	0.	45	0- 45	0.1417E-01	90-135	0.
60-70.54	0.2865E 03	-7.5 TO 37.5	0.9882E-04	82.5-127.5	0.	60	0- 45	0.9506E-03	90-135	0.
0-15.00	0.5350E 02	-7.5 TO 52.5	0.1373E 00	82.5-142.5	0.2780E-05	0	0- 60	0.1662E 00	90-150	0.1662E 00
15-30.00	0.1569E 03	-7.5 TO 52.5	0.4801E-01	82.5-142.5	0.	15	0- 60	0.2716E 00	90-150	0.
30-45.00	0.2495E 03	-7.5 TO 52.5	0.1151E-01	82.5-142.5	0.	30	0- 60	0.7477E-01	90-150	0.
45-60.00	0.3252E 03	-7.5 TO 52.5	0.1765E-02	82.5-142.5	0.	45	0- 60	0.1464E-01	90-150	0.
60-70.54	0.3820E 03	-7.5 TO 52.5	0.7493E-04	82.5-142.5	0.	60	0- 60	0.9528E-03	90-150	0.
0-15.00	0.6687E 02	-7.5 TO 67.5	0.1100E 00	82.5-157.5	0.2465E-05	0	0- 75	0.2078E 00	90-165	0.2078E 00
15-30.00	0.1961E 03	-7.5 TO 67.5	0.3866E-01	82.5-157.5	0.	15	0- 75	0.2719E 00	90-165	0.
30-45.00	0.3119E 03	-7.5 TO 67.5	0.9310E-02	82.5-157.5	0.	30	0- 75	0.7503E-01	90-165	0.
45-60.00	0.4065E 03	-7.5 TO 67.5	0.1421E-02	82.5-157.5	0.	45	0- 75	0.1467E-01	90-165	0.
60-70.54	0.4775E 03	-7.5 TO 67.5	0.5995E-04	82.5-157.5	0.	60	0- 75	0.9528E-03	90-165	0.
0-15.00	0.8025E 02	-7.5 TO 82.5	0.9170E-01	82.5-172.5	0.2237E-05	0	0- 90	0.2493E 00	90-180	0.2493E 00
15-30.00	0.2352E 03	-7.5 TO 82.5	0.3224E-01	82.5-172.5	0.	15	0- 90	0.2719E 00	90-180	0.
30-45.00	0.3743E 03	-7.5 TO 82.5	0.7764E-02	82.5-172.5	0.	30	0- 90	0.7504E-01	90-180	0.
45-60.00	0.4878E 03	-7.5 TO 82.5	0.1185E-02	82.5-172.5	0.	45	0- 90	0.1467E-01	90-180	0.
60-70.54	0.5731E 03	-7.5 TO 82.5	0.4996E-04	82.5-172.5	0.	60	0- 90	0.9528E-03	90-180	0.
0-15.00	0.9362E 02	-7.5 TO 97.5	0.7860E-01	82.5-187.5	0.2069E-05	0	0-105	0.2909E 00	90-195	0.2909E 00
15-30.00	0.2745E 03	-7.5 TO 97.5	0.2763E-01	82.5-187.5	0.	15	0-105	0.2719E 00	90-195	0.
30-45.00	0.4367E 03	-7.5 TO 97.5	0.6655E-02	82.5-187.5	0.	30	0-105	0.7504E-01	90-195	0.
45-60.00	0.5691E 03	-7.5 TO 97.5	0.1015E-02	82.5-187.5	0.	45	0-105	0.1467E-01	90-195	0.
60-70.54	0.6566E 03	-7.5 TO 97.5	0.4282E-04	82.5-187.5	0.	60	0-105	0.9528E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

r_2/r_1 = 0.50 d/r_1 = 1.501 $\cosh \mu_1$ = 1.0003 $\cosh \mu_2$ = 1.0013 $\alpha_{2,max}$ = 105.00 $\theta_{2,min}$ = 2.27

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1337E 02	-7.5 TO 7.5	0.3658E 00	82.5- 97.5	0.5365E-05	0	0- 15	0.4155E-01	90-105	0.4155E-01
15-30.00	0.3921E 02	-7.5 TO 7.5	0.9455E-01	82.5- 97.5	0.	15	0- 15	0.1867E 00	90-105	0.
30-45.00	0.6238E 02	-7.5 TO 7.5	0.1983E-01	82.5- 97.5	0.	30	0- 15	0.3993E-01	90-105	0.
45-60.00	0.8129E 02	-7.5 TO 7.5	0.3280E-02	82.5- 97.5	0.	45	0- 15	0.7676E-02	90-105	0.
60-70.54	0.6551E 02	-7.5 TO 7.5	0.2185E-03	82.5- 97.5	0.	60	0- 15	0.7149E-03	90-105	0.
0-15.00	0.2615E 02	-7.5 TO 22.5	0.2574E 00	82.5-112.5	0.3951E-05	0	0- 30	0.8311E-01	90-120	0.8311E-01
15-30.00	0.7843E 02	-7.5 TO 22.5	0.7986E-01	82.5-112.5	0.	15	0- 30	0.2530E 00	90-120	0.
30-45.00	0.1248E 03	-7.5 TO 22.5	0.1781E-01	82.5-112.5	0.	30	0- 30	0.6357E-01	90-120	0.
45-60.00	0.1626E 03	-7.5 TO 22.5	0.2966E-02	82.5-112.5	0.	45	0- 30	0.1270E-01	90-120	0.
60-70.54	0.1310E 03	-7.5 TO 22.5	0.1878E-03	82.5-112.5	0.	60	0- 30	0.1115E-02	90-120	0.
0-15.00	0.4612E 02	-7.5 TO 37.5	0.1813E 00	82.5-127.5	0.3234E-05	0	0- 45	0.1247E 00	90-135	0.1247E 00
15-30.00	0.1176E 03	-7.5 TO 37.5	0.6172E-01	82.5-127.5	0.	15	0- 45	0.2687E 00	90-135	0.
30-45.00	0.1871E 03	-7.5 TO 37.5	0.1459E-01	82.5-127.5	0.	30	0- 45	0.7257E-01	90-135	0.
45-60.00	0.2439E 03	-7.5 TO 37.5	0.2433E-02	82.5-127.5	0.	45	0- 45	0.1479E-01	90-135	0.
60-70.54	0.1965E 03	-7.5 TO 37.5	0.1426E-03	82.5-127.5	0.	60	0- 45	0.1211E-02	90-135	0.
0-15.00	0.5350E 02	-7.5 TO 52.5	0.1373E 00	82.5-142.5	0.2780E-05	0	0- 60	0.1662E 00	90-150	0.1662E 00
15-30.00	0.1569E 03	-7.5 TO 52.5	0.4801E-01	82.5-142.5	0.	15	0- 60	0.2716E 00	90-150	0.
30-45.00	0.2495E 03	-7.5 TO 52.5	0.1162E-01	82.5-142.5	0.	30	0- 60	0.7477E-01	90-150	0.
45-60.00	0.3252E 03	-7.5 TO 52.5	0.1925E-02	82.5-142.5	0.	45	0- 60	0.1526E-01	90-150	0.
60-70.54	0.2620E 03	-7.5 TO 52.5	0.1083E-03	82.5-142.5	0.	60	0- 60	0.1213E-02	90-150	0.
0-15.00	0.6687E 02	-7.5 TO 67.5	0.1100E 00	82.5-157.5	0.2465E-05	0	0- 75	0.2078E 00	90-165	0.2078E 00
15-30.00	0.1961E 03	-7.5 TO 67.5	0.3866E-01	82.5-157.5	0.	15	0- 75	0.2719E 00	90-165	0.
30-45.00	0.3115E 03	-7.5 TO 67.5	0.9402E-02	82.5-157.5	0.	30	0- 75	0.7503E-01	90-165	0.
45-60.00	0.4065E 03	-7.5 TO 67.5	0.1549E-02	82.5-157.5	0.	45	0- 75	0.1529E-01	90-165	0.
60-70.54	0.3275E 03	-7.5 TO 67.5	0.8661E-04	82.5-157.5	0.	60	0- 75	0.1213E-02	90-165	0.
0-15.00	0.8025E 02	-7.5 TO 82.5	0.9170E-01	82.5-172.5	0.2237E-05	0	0- 90	0.2493E 00	90-180	0.2493E 00
15-30.00	0.2353E 03	-7.5 TO 82.5	0.3224E-01	82.5-172.5	0.	15	0- 90	0.2719E 00	90-180	0.
30-45.00	0.3743E 03	-7.5 TO 82.5	0.7841E-02	82.5-172.5	0.	30	0- 90	0.7504E-01	90-180	0.
45-60.00	0.4878E 03	-7.5 TO 82.5	0.1291E-02	82.5-172.5	0.	45	0- 90	0.1529E-01	90-180	0.
60-70.54	0.3931E 03	-7.5 TO 82.5	0.7218E-04	82.5-172.5	0.	60	0- 90	0.1213E-02	90-180	0.
0-15.00	0.9362E 02	-7.5 TO 97.5	0.7860E-01	82.5-187.5	0.2069E-05	0	0-105	0.2909E 00	90-195	0.2909E 00
15-30.00	0.2745E 03	-7.5 TO 97.5	0.2763E-01	82.5-187.5	0.	15	0-105	0.2719E 00	90-195	0.
30-45.00	0.4367E 03	-7.5 TO 97.5	0.6721E-02	82.5-187.5	0.	30	0-105	0.7504E-01	90-195	0.
45-60.00	0.5691E 03	-7.5 TO 97.5	0.1107E-02	82.5-187.5	0.	45	0-105	0.1529E-01	90-195	0.
60-70.54	0.4586E 03	-7.5 TO 97.5	0.6187E-04	82.5-187.5	0.	60	0-105	0.1213E-02	90-195	0.

r_2/r_1 = 0.50 d/r_1 = 1.50 $\cosh \mu_1$ = 1.0003 $\cosh \mu_2$ = 1.0013 $\alpha_{2,max}$ = 109.46 $\theta_{2,min}$ = 2.09

0-15.00	0.1337E 02	-7.5 TO 7.5	0.3658E 00	82.5- 97.5	0.5365E-05	0	0- 15	0.4155E-01	90-105	0.4155E-01
15-30.00	0.3921E 02	-7.5 TO 7.5	0.9455E-01	82.5- 97.5	0.	15	0- 15	0.1867E 00	90-105	0.
30-45.00	0.6238E 02	-7.5 TO 7.5	0.1983E-01	82.5- 97.5	0.	30	0- 15	0.3993E-01	90-105	0.
45-60.00	0.8129E 02	-7.5 TO 7.5	0.3283E-02	82.5- 97.5	0.	45	0- 15	0.7676E-02	90-105	0.
60-70.54	0.6551E 02	-7.5 TO 7.5	0.2212E-03	82.5- 97.5	0.	60	0- 15	0.7194E-03	90-105	0.
0-15.00	0.2615E 02	-7.5 TO 22.5	0.2574E 00	82.5-112.5	0.3951E-05	0	0- 30	0.8311E-01	90-120	0.8311E-01
15-30.00	0.7843E 02	-7.5 TO 22.5	0.7986E-01	82.5-112.5	0.	15	0- 30	0.2530E 00	90-120	0.
30-45.00	0.1248E 03	-7.5 TO 22.5	0.1781E-01	82.5-112.5	0.	30	0- 30	0.6357E-01	90-120	0.
45-60.00	0.1626E 03	-7.5 TO 22.5	0.2968E-02	82.5-112.5	0.	45	0- 30	0.1270E-01	90-120	0.
60-70.54	0.1310E 03	-7.5 TO 22.5	0.1898E-03	82.5-112.5	0.	60	0- 30	0.1120E-02	90-120	0.
0-15.00	0.4612E 02	-7.5 TO 37.5	0.1813E 00	82.5-127.5	0.3234E-05	0	0- 45	0.1247E 00	90-135	0.1247E 00
15-30.00	0.1176E 03	-7.5 TO 37.5	0.6172E-01	82.5-127.5	0.	15	0- 45	0.2687E 00	90-135	0.
30-45.00	0.1871E 03	-7.5 TO 37.5	0.1459E-01	82.5-127.5	0.	30	0- 45	0.7257E-01	90-135	0.
45-60.00	0.2439E 03	-7.5 TO 37.5	0.2434E-02	82.5-127.5	0.	45	0- 45	0.1479E-01	90-135	0.
60-70.54	0.1965E 03	-7.5 TO 37.5	0.1440E-03	82.5-127.5	0.	60	0- 45	0.1216E-02	90-135	0.
0-15.00	0.5350E 02	-7.5 TO 52.5	0.1373E 00	82.5-142.5	0.2780E-05	0	0- 60	0.1662E 00	90-150	0.1662E 00
15-30.00	0.1569E 03	-7.5 TO 52.5	0.4801E-01	82.5-142.5	0.	15	0- 60	0.2716E 00	90-150	0.
30-45.00	0.2495E 03	-7.5 TO 52.5	0.1162E-01	82.5-142.5	0.	30	0- 60	0.7477E-01	90-150	0.
45-60.00	0.3252E 03	-7.5 TO 52.5	0.1926E-02	82.5-142.5	0.	45	0- 60	0.1526E-01	90-150	0.
60-70.54	0.2620E 03	-7.5 TO 52.5	0.1093E-03	82.5-142.5	0.	60	0- 60	0.1218E-02	90-150	0.
0-15.00	0.6687E 02	-7.5 TO 67.5	0.1100E 00	82.5-157.5	0.2465E-05	0	0- 75	0.2078E 00	90-165	0.2078E 00
15-30.00	0.1961E 03	-7.5 TO 67.5	0.3866E-01	82.5-157.5	0.	15	0- 75	0.2719E 00	90-165	0.
30-45.00	0.3115E 03	-7.5 TO 67.5	0.9402E-02	82.5-157.5	0.	30	0- 75	0.7503E-01	90-165	0.
45-60.00	0.4065E 03	-7.5 TO 67.5	0.1550E-02	82.5-157.5	0.	45	0- 75	0.1529E-01	90-165	0.
60-70.54	0.3275E 03	-7.5 TO 67.5	0.8743E-04	82.5-157.5	0.	60	0- 75	0.1218E-02	90-165	0.
0-15.00	0.8025E 02	-7.5 TO 82.5	0.9170E-01	82.5-172.5	0.2237E-05	0	0- 90	0.2493E 00	90-180	0.2493E 00
15-30.00	0.2353E 03	-7.5 TO 82.5	0.3224E-01	82.5-172.5	0.	15	0- 90	0.2719E 00	90-180	0.
30-45.00	0.3743E 03	-7.5 TO 82.5	0.7841E-02	82.5-172.5	0.	30	0- 90	0.7504E-01	90-180	0.
45-60.00	0.4878E 03	-7.5 TO 82.5	0.1292E-02	82.5-172.5	0.	45	0- 90	0.1529E-01	90-180	0.
60-70.54	0.3931E 03	-7.5 TO 82.5	0.7285E-04	82.5-172.5	0.	60	0- 90	0.1218E-02	90-180	0.
0-15.00	0.9362E 02	-7.5 TO 97.5	0.7860E-01	82.5-187.5	0.2069E-05	0	0-105	0.2909E 00	90-195	0.2909E 00
15-30.00	0.2745E 03	-7.5 TO 97.5	0.2763E-01	82.5-187.5	0.	15	0-105	0.2719E 00	90-195	0.
30-45.00	0.4367E 03	-7.5 TO 97.5	0.6721E-02	82.5-187.5	0.	30	0-105	0.7504E-01	90-195	0.
45-60.00	0.5691E 03	-7.5 TO 97.5	0.1107E-02	82.5-187.5	0.	45	0-105	0.1529E-01	90-195	0.
60-70.54	0.4586E 03	-7.5 TO 97.5	0.6245E-04	82.5-187.5	0.	60	0-105	0.1218E-02	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1875$ $\cosh \mu_2 = 1.6250$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 149.80$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.2175E-01	-7.5 TO 7.5	0.2271E-02	82.5- 97.5	0.1744E-02	0	0- 15	0.2456E-02	90-105	0.2456E-02
15-30.00	0.6377E-01	-7.5 TO 7.5	0.1003E-02	82.5- 97.5	0.6289E-03	15	0- 15	0.1805E-02	90-105	0.1172E-02
30-45.00	0.1014E 00	-7.5 TO 7.5	0.2392E-03	82.5- 97.5	0.1273E-03	30	0- 15	0.5111E-03	90-105	0.2774E-03
45-60.00	0.1322E 00	-7.5 TO 7.5	0.1569E-04	82.5- 97.5	0.2922E-05	45	0- 15	0.7762E-04	90-105	0.2320E-04
60-75.00	0.1535E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-75.52	0.1629E-02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.4350E-01	-7.5 TO 22.5	0.2261E-02	82.5-112.5	0.1690E-02	0	0- 30	0.4913E-02	90-120	0.4913E-02
15-30.00	0.1275E 00	-7.5 TO 22.5	0.9948E-03	82.5-112.5	0.5950E-03	15	0- 30	0.3560E-02	90-120	0.2242E-02
30-45.00	0.2029E 00	-7.5 TO 22.5	0.2367E-03	82.5-112.5	0.1176E-03	30	0- 30	0.1003E-02	90-120	0.5204E-03
45-60.00	0.2644E 00	-7.5 TO 22.5	0.1532E-04	82.5-112.5	0.2196E-05	45	0- 30	0.1507E-03	90-120	0.3900E-04
60-75.00	0.3079E 00	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-75.52	0.1126E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.6525E-01	-7.5 TO 37.5	0.2237E-02	82.5-127.5	0.1642E-02	0	0- 45	0.7369E-02	90-135	0.7369E-02
15-30.00	0.1913E 00	-7.5 TO 37.5	0.9764E-03	82.5-127.5	0.5653E-03	15	0- 45	0.5226E-02	90-135	0.3231E-02
30-45.00	0.3043E 00	-7.5 TO 37.5	0.2310E-03	82.5-127.5	0.1091E-03	30	0- 45	0.1460E-02	90-135	0.7364E-03
45-60.00	0.3966E 00	-7.5 TO 37.5	0.1452E-04	82.5-127.5	0.1800E-05	45	0- 45	0.2154E-03	90-135	0.4921E-04
60-75.00	0.4618E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-75.52	0.1685E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.8700E-01	-7.5 TO 52.5	0.2201E-02	82.5-142.5	0.1599E-02	0	0- 60	0.9825E-02	90-150	0.9825E-02
15-30.00	0.2551E 00	-7.5 TO 52.5	0.9499E-03	82.5-142.5	0.5397E-03	15	0- 60	0.6774E-02	90-150	0.4159E-02
30-45.00	0.4057E 00	-7.5 TO 52.5	0.2230E-03	82.5-142.5	0.1020E-03	30	0- 60	0.1873E-02	90-150	0.9328E-03
45-60.00	0.5288E 00	-7.5 TO 52.5	0.1343E-04	82.5-142.5	0.1504E-05	45	0- 60	0.2696E-03	90-150	0.5557E-04
60-75.00	0.6158E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-75.52	0.2252E-01	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.1087E 00	-7.5 TO 67.5	0.2158E-02	82.5-157.5	0.1563E-02	0	0- 75	0.1228E-01	90-165	0.1228E-01
15-30.00	0.3188E 00	-7.5 TO 67.5	0.9178E-03	82.5-157.5	0.5184E-03	15	0- 75	0.8192E-02	90-165	0.5046E-02
30-45.00	0.5072E 00	-7.5 TO 67.5	0.2133E-03	82.5-157.5	0.9614E-04	30	0- 75	0.2238E-02	90-165	0.1116E-02
45-60.00	0.6610E 00	-7.5 TO 67.5	0.1222E-04	82.5-157.5	0.1253E-05	45	0- 75	0.3127E-03	90-165	0.5995E-04
60-75.00	0.7697E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-75.52	0.2819E-01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.1305E 00	-7.5 TO 82.5	0.2108E-02	82.5-172.5	0.1534E-02	0	0- 90	0.1474E-01	90-180	0.1474E-01
15-30.00	0.3826E 00	-7.5 TO 82.5	0.8826E-03	82.5-172.5	0.5013E-03	15	0- 90	0.9482E-02	90-180	0.5914E-02
30-45.00	0.6086E 00	-7.5 TO 82.5	0.2028E-03	82.5-172.5	0.9145E-04	30	0- 90	0.2556E-02	90-180	0.1294E-02
45-60.00	0.7932E 00	-7.5 TO 82.5	0.1098E-04	82.5-172.5	0.1075E-05	45	0- 90	0.3451E-03	90-180	0.6366E-04
60-75.00	0.9237E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-75.52	0.3377E-01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.1522E 00	-7.5 TO 97.5	0.2056E-02	82.5-187.5	0.1511E-02	0	0-105	0.1719E-01	90-195	0.1719E-01
15-30.00	0.4464E 00	-7.5 TO 97.5	0.8464E-03	82.5-187.5	0.4882E-03	15	0-105	0.1065E-01	90-195	0.6781E-02
30-45.00	0.7101E 00	-7.5 TO 97.5	0.1920E-03	82.5-187.5	0.8788E-04	30	0-105	0.2834E-02	90-195	0.1471E-02
45-60.00	0.9254E 00	-7.5 TO 97.5	0.9828E-05	82.5-187.5	0.9464E-06	45	0-105	0.3683E-03	90-195	0.6737E-04
60-75.00	0.1078E 01	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-75.52	0.3940E-01	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

$r_2/r_1 = 0.50$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1875$ $\cosh \mu_2 = 1.6250$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 122.45$

0-15.00	0.2175E-01	-7.5 TO 7.5	0.7943E-02	82.5- 97.5	0.4983E-02	0	0- 15	0.6782E-02	90-105	0.6782E-02
15-30.00	0.6377E-01	-7.5 TO 7.5	0.4611E-02	82.5- 97.5	0.1954E-02	15	0- 15	0.7199E-02	90-105	0.3349E-02
30-45.00	0.1014E 00	-7.5 TO 7.5	0.1389E-02	82.5- 97.5	0.4392E-03	30	0- 15	0.2679E-02	90-105	0.8611E-03
45-60.00	0.1322E 00	-7.5 TO 7.5	0.1834E-03	82.5- 97.5	0.1425E-04	45	0- 15	0.5734E-03	90-105	0.8361E-04
60-75.00	0.1535E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-75.52	0.5629E-02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.4350E-01	-7.5 TO 22.5	0.7876E-02	82.5-112.5	0.4727E-02	0	0- 30	0.1356E-01	90-120	0.1356E-01
15-30.00	0.1275E 00	-7.5 TO 22.5	0.4539E-02	82.5-112.5	0.1774E-02	15	0- 30	0.1404E-01	90-120	0.6216E-02
30-45.00	0.2029E 00	-7.5 TO 22.5	0.1362E-02	82.5-112.5	0.3816E-03	30	0- 30	0.5170E-02	90-120	0.1537E-02
45-60.00	0.2644E 00	-7.5 TO 22.5	0.1774E-03	82.5-112.5	0.9693E-05	45	0- 30	0.1094E-02	90-120	0.1248E-03
60-75.00	0.3079E 00	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-75.52	0.1126E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.6525E-01	-7.5 TO 37.5	0.7725E-02	82.5-127.5	0.4504E-02	0	0- 45	0.2035E-01	90-135	0.2035E-01
15-30.00	0.1913E 00	-7.5 TO 37.5	0.4384E-02	82.5-127.5	0.1625E-02	15	0- 45	0.2026E-01	90-135	0.8718E-02
30-45.00	0.3043E 00	-7.5 TO 37.5	0.1304E-02	82.5-127.5	0.3352E-03	30	0- 45	0.7338E-02	90-135	0.2082E-02
45-60.00	0.3966E 00	-7.5 TO 37.5	0.1648E-03	82.5-127.5	0.7696E-05	45	0- 45	0.1526E-02	90-135	0.1406E-03
60-75.00	0.4618E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-75.52	0.1685E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.8700E-01	-7.5 TO 52.5	0.7511E-02	82.5-142.5	0.4314E-02	0	0- 60	0.2713E-01	90-150	0.2713E-01
15-30.00	0.2551E 00	-7.5 TO 52.5	0.4171E-02	82.5-142.5	0.1502E-02	15	0- 60	0.2572E-01	90-150	0.1096E-01
30-45.00	0.4057E 00	-7.5 TO 52.5	0.1226E-02	82.5-142.5	0.2985E-03	30	0- 60	0.9128E-02	90-150	0.2539E-02
45-60.00	0.5288E 00	-7.5 TO 52.5	0.1485E-03	82.5-142.5	0.6271E-05	45	0- 60	0.1852E-02	90-150	0.1546E-03
60-75.00	0.6158E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-75.52	0.2252E-01	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.1087E 00	-7.5 TO 67.5	0.7253E-02	82.5-157.5	0.4156E-02	0	0- 75	0.3391E-01	90-165	0.3391E-01
15-30.00	0.3188E 00	-7.5 TO 67.5	0.3927E-02	82.5-157.5	0.1403E-02	15	0- 75	0.3039E-01	90-165	0.1304E-01
30-45.00	0.5072E 00	-7.5 TO 67.5	0.1137E-02	82.5-157.5	0.2697E-03	30	0- 75	0.1055E-01	90-165	0.2943E-02
45-60.00	0.6610E 00	-7.5 TO 67.5	0.1310E-03	82.5-157.5	0.5102E-05	45	0- 75	0.2080E-02	90-165	0.1590E-03
60-75.00	0.7697E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-75.52	0.2819E-01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.1305E 00	-7.5 TO 82.5	0.6974E-02	82.5-172.5	0.4029E-02	0	0- 90	0.4069E-01	90-180	0.4069E-01
15-30.00	0.3826E 00	-7.5 TO 82.5	0.3674E-02	82.5-172.5	0.1325E-02	15	0- 90	0.3435E-01	90-180	0.1504E-01
30-45.00	0.6086E 00	-7.5 TO 82.5	0.1046E-02	82.5-172.5	0.2475E-03	30	0- 90	0.1166E-01	90-180	0.3322E-02
45-60.00	0.7932E 00	-7.5 TO 82.5	0.1141E-03	82.5-172.5	0.4283E-05	45	0- 90	0.2225E-02	90-180	0.1627E-03
60-75.00	0.9237E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-75.52	0.3377E-01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.1522E 00	-7.5 TO 97.5	0.6690E-02	82.5-187.5	0.3932E-02	0	0-105	0.4747E-01	90-195	0.4747E-01
15-30.00	0.4464E 00	-7.5 TO 97.5	0.3428E-02	82.5-187.5	0.1266E-02	15	0-105	0.3769E-01	90-195	0.1705E-01
30-45.00	0.7101E 00	-7.5 TO 97.5	0.9593E-03	82.5-187.5	0.2309E-03	30	0-105	0.1252E-01	90-195	0.3701E-02
45-60.00	0.9254E 00	-7.5 TO 97.5	0.9980E-04	82.5-187.5	0.3696E-05	45	0-105	0.2309E-02	90-195	0.1664E-03
60-75.00	0.1078E 01	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-75.52	0.3940E-01	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1875$ $\cosh \mu_2 = 1.6250$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 99.35$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.2175E-01	-7.5 TO 7.5	0.1309E-01	82.5- 97.5	0.7246E-02	0	0- 15	0.9594E-02	90-105	0.9594E-02
15-30.00	0.6377E-01	-7.5 TO 7.5	0.9490E-02	82.5- 97.5	0.3070E-02	15	0- 15	0.1297E-01	90-105	0.4899E-02
30-45.00	0.1014E 00	-7.5 TO 7.5	0.3568E-02	82.5- 97.5	0.7732E-03	30	0- 15	0.6257E-02	90-105	0.1370E-02
45-60.00	0.1322E 00	-7.5 TO 7.5	0.7090E-03	82.5- 97.5	0.3648E-04	45	0- 15	0.1720E-02	90-105	0.1616E-03
60-75.00	0.1529E 00	-7.5 TO 7.5	0.8122E-05	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-75.52	0.5629E-02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.4356E-01	-7.5 TO 22.5	0.1295E-01	82.5-112.5	0.6782E-02	0	0- 30	0.1919E-01	90-120	0.1919E-01
15-30.00	0.1275E 00	-7.5 TO 22.5	0.9296E-02	82.5-112.5	0.2706E-02	15	0- 30	0.2514E-01	90-120	0.8905E-02
30-45.00	0.2029E 00	-7.5 TO 22.5	0.3477E-02	82.5-112.5	0.6421E-03	30	0- 30	0.1193E-01	90-120	0.2353E-02
45-60.00	0.2644E 00	-7.5 TO 22.5	0.6836E-03	82.5-112.5	0.2385E-04	45	0- 30	0.3245E-02	90-120	0.2285E-03
60-75.00	0.3059E 00	-7.5 TO 22.5	0.7056E-05	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-75.52	0.1126E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.6525E-01	-7.5 TO 37.5	0.1264E-01	82.5-127.5	0.6382E-02	0	0- 45	0.2878E-01	90-135	0.2878E-01
15-30.00	0.1913E 00	-7.5 TO 37.5	0.8885E-02	82.5-127.5	0.2412E-02	15	0- 45	0.3592E-01	90-135	0.1226E-01
30-45.00	0.3043E 00	-7.5 TO 37.5	0.3286E-02	82.5-127.5	0.5421E-03	30	0- 45	0.1665E-01	90-135	0.3081E-02
45-60.00	0.3966E 00	-7.5 TO 37.5	0.6309E-03	82.5-127.5	0.1777E-04	45	0- 45	0.4452E-02	90-135	0.2479E-03
60-75.00	0.4618E 00	-7.5 TO 37.5	0.5365E-05	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-75.52	0.1685E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.8700E-01	-7.5 TO 52.5	0.1220E-01	82.5-142.5	0.6046E-02	0	0- 60	0.3837E-01	90-150	0.3837E-01
15-30.00	0.2551E 00	-7.5 TO 52.5	0.8336E-02	82.5-142.5	0.2178E-02	15	0- 60	0.4505E-01	90-150	0.1517E-01
30-45.00	0.4057E 00	-7.5 TO 52.5	0.3034E-02	82.5-142.5	0.4667E-03	30	0- 60	0.2030E-01	90-150	0.3648E-02
45-60.00	0.5288E 00	-7.5 TO 52.5	0.5628E-03	82.5-142.5	0.1407E-04	45	0- 60	0.5310E-02	90-150	0.2685E-03
60-75.00	0.6158E 00	-7.5 TO 52.5	0.4050E-05	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-75.52	0.2252E-01	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.1087E 00	-7.5 TO 67.5	0.1168E-01	82.5-157.5	0.5769E-02	0	0- 75	0.4797E-01	90-165	0.4797E-01
15-30.00	0.3188E 00	-7.5 TO 67.5	0.7725E-02	82.5-157.5	0.1994E-02	15	0- 75	0.5255E-01	90-165	0.1780E-01
30-45.00	0.5072E 00	-7.5 TO 67.5	0.2761E-02	82.5-157.5	0.4100E-03	30	0- 75	0.2300E-01	90-165	0.4125E-02
45-60.00	0.6610E 00	-7.5 TO 67.5	0.4911E-03	82.5-157.5	0.1137E-04	45	0- 75	0.5861E-02	90-165	0.2728E-03
60-75.00	0.7697E 00	-7.5 TO 67.5	0.3240E-05	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-75.52	0.2815E-01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.1305E 00	-7.5 TO 82.5	0.1113E-01	82.5-172.5	0.5548E-02	0	0- 90	0.5756E-01	90-180	0.5756E-01
15-30.00	0.3826E 00	-7.5 TO 82.5	0.7112E-02	82.5-172.5	0.1850E-02	15	0- 90	0.5861E-01	90-180	0.2029E-01
30-45.00	0.6088E 00	-7.5 TO 82.5	0.2493E-02	82.5-172.5	0.3676E-03	30	0- 90	0.2493E-01	90-180	0.4561E-02
45-60.00	0.7932E 00	-7.5 TO 82.5	0.4235E-03	82.5-172.5	0.9506E-05	45	0- 90	0.6179E-02	90-180	0.2765E-03
60-75.00	0.9237E 00	-7.5 TO 82.5	0.2700E-05	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-75.52	0.3377E-01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.1522E 00	-7.5 TO 97.5	0.1057E-01	82.5-187.5	0.5381E-02	0	0-105	0.6716E-01	90-195	0.6716E-01
15-30.00	0.4464E 00	-7.5 TO 97.5	0.6535E-02	82.5-187.5	0.1743E-02	15	0-105	0.6351E-01	90-195	0.2279E-01
30-45.00	0.7101E 00	-7.5 TO 97.5	0.2247E-02	82.5-187.5	0.3362E-03	30	0-105	0.2630E-01	90-195	0.4997E-02
45-60.00	0.9254E 00	-7.5 TO 97.5	0.3682E-03	82.5-187.5	0.8173E-05	45	0-105	0.6341E-02	90-195	0.2803E-03
60-75.00	0.1078E 01	-7.5 TO 97.5	0.2314E-05	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-75.52	0.3940E-01	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

$r_2/r_1 = 0.50$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1875$ $\cosh \mu_2 = 1.6250$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 80.41$

0-15.00	0.2175E-01	-7.5 TO 7.5	0.1573E-01	82.5- 97.5	0.7975E-02	0	0- 15	0.1042E-01	90-105	0.1042E-01
15-30.00	0.6377E-01	-7.5 TO 7.5	0.1325E-01	82.5- 97.5	0.3538E-02	15	0- 15	0.1645E-01	90-105	0.5368E-02
30-45.00	0.1014E 00	-7.5 TO 7.5	0.5920E-02	82.5- 97.5	0.9700E-03	30	0- 15	0.9593E-02	90-105	0.1575E-02
45-60.00	0.1322E 00	-7.5 TO 7.5	0.1493E-02	82.5- 97.5	0.6177E-04	45	0- 15	0.3179E-02	90-105	0.2131E-03
60-75.00	0.1529E 00	-7.5 TO 7.5	0.7091E-04	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-75.52	0.5629E-02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.4356E-01	-7.5 TO 22.5	0.1553E-01	82.5-112.5	0.7386E-02	0	0- 30	0.2083E-01	90-120	0.2083E-01
15-30.00	0.1275E 00	-7.5 TO 22.5	0.1294E-01	82.5-112.5	0.3041E-02	15	0- 30	0.3176E-01	90-120	0.9609E-02
30-45.00	0.2029E 00	-7.5 TO 22.5	0.5747E-02	82.5-112.5	0.7745E-03	30	0- 30	0.1817E-01	90-120	0.2621E-02
45-60.00	0.2644E 00	-7.5 TO 22.5	0.1437E-02	82.5-112.5	0.3897E-04	45	0- 30	0.5957E-02	90-120	0.2899E-03
60-75.00	0.3059E 00	-7.5 TO 22.5	0.6475E-04	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-75.52	0.1126E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.6525E-01	-7.5 TO 37.5	0.1511E-01	82.5-127.5	0.6890E-02	0	0- 45	0.3125E-01	90-135	0.3125E-01
15-30.00	0.1913E 00	-7.5 TO 37.5	0.1230E-01	82.5-127.5	0.2661E-02	15	0- 45	0.4512E-01	90-135	0.1307E-01
30-45.00	0.3043E 00	-7.5 TO 37.5	0.5388E-02	82.5-127.5	0.6356E-03	30	0- 45	0.2510E-01	90-135	0.3362E-02
45-60.00	0.3966E 00	-7.5 TO 37.5	0.1321E-02	82.5-127.5	0.2800E-04	45	0- 45	0.8090E-02	90-135	0.3100E-03
60-75.00	0.4618E 00	-7.5 TO 37.5	0.5367E-04	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-75.52	0.1685E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.8700E-01	-7.5 TO 52.5	0.1452E-01	82.5-142.5	0.6481E-02	0	0- 60	0.4167E-01	90-150	0.4167E-01
15-30.00	0.2551E 00	-7.5 TO 52.5	0.1144E-01	82.5-142.5	0.2370E-02	15	0- 60	0.5619E-01	90-150	0.1603E-01
30-45.00	0.4057E 00	-7.5 TO 52.5	0.4923E-02	82.5-142.5	0.5373E-03	30	0- 60	0.3025E-01	90-150	0.3931E-02
45-60.00	0.5288E 00	-7.5 TO 52.5	0.1173E-02	82.5-142.5	0.2178E-04	45	0- 60	0.9541E-02	90-150	0.3332E-03
60-75.00	0.6158E 00	-7.5 TO 52.5	0.4255E-04	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-75.52	0.2252E-01	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.1087E 00	-7.5 TO 67.5	0.1383E-01	82.5-157.5	0.6150E-02	0	0- 75	0.5208E-01	90-165	0.5208E-01
15-30.00	0.3188E 00	-7.5 TO 67.5	0.1050E-01	82.5-157.5	0.2148E-02	15	0- 75	0.6503E-01	90-165	0.1868E-01
30-45.00	0.5072E 00	-7.5 TO 67.5	0.4428E-02	82.5-157.5	0.4665E-03	30	0- 75	0.3385E-01	90-165	0.4407E-02
45-60.00	0.6610E 00	-7.5 TO 67.5	0.1020E-02	82.5-157.5	0.1755E-04	45	0- 75	0.1042E-01	90-165	0.3376E-03
60-75.00	0.7697E 00	-7.5 TO 67.5	0.3418E-04	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-75.52	0.2815E-01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.1305E 00	-7.5 TO 82.5	0.1309E-01	82.5-172.5	0.5888E-02	0	0- 90	0.6250E-01	90-180	0.6250E-01
15-30.00	0.3826E 00	-7.5 TO 82.5	0.9574E-02	82.5-172.5	0.1980E-02	15	0- 90	0.7194E-01	90-180	0.2119E-01
30-45.00	0.6088E 00	-7.5 TO 82.5	0.3953E-02	82.5-172.5	0.4148E-03	30	0- 90	0.3626E-01	90-180	0.4843E-02
45-60.00	0.7932E 00	-7.5 TO 82.5	0.8769E-03	82.5-172.5	0.1466E-04	45	0- 90	0.1089E-01	90-180	0.3413E-03
60-75.00	0.9237E 00	-7.5 TO 82.5	0.2848E-04	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-75.52	0.3977E-01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.1522E 00	-7.5 TO 97.5	0.1236E-01	82.5-187.5	0.5690E-02	0	0-105	0.7292E-01	90-195	0.7292E-01
15-30.00	0.4464E 00	-7.5 TO 97.5	0.8712E-02	82.5-187.5	0.1854E-02	15	0-105	0.7731E-01	90-195	0.2371E-01
30-45.00	0.7101E 00	-7.5 TO 97.5	0.3527E-02	82.5-187.5	0.3768E-03	30	0-105	0.3783E-01	90-195	0.5280E-02
45-60.00	0.9254E 00	-7.5 TO 97.5	0.7005E-03	82.5-187.5	0.1259E-04	45	0-105	0.1110E-01	90-195	0.3450E-03
60-75.00	0.1078E 01	-7.5 TO 97.5	0.2442E-04	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-75.52	0.3940E-01	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

r_2/r_1 = 0.50 d/r_1 = 2.000 $\cosh \mu_1$ = 1.1875 $\cosh \mu_2$ = 1.6250 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 64.91

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.2175E-01	-7.5 TO 7.5	0.1625E-01	82.5- 97.5	0.7979E-02	0	0- 15	0.1042E-01	90-105	0.1042E-01
15-30.00	0.6377E-01	-7.5 TO 7.5	0.1502E-01	82.5- 97.5	0.3555E-02	15	0- 15	0.1750E-01	90-105	0.5368E-02
30-45.00	0.1014E 00	-7.5 TO 7.5	0.7542E-02	82.5- 97.5	0.9930E-03	30	0- 15	0.1155E-01	90-105	0.1577E-02
45-60.00	0.1322E 00	-7.5 TO 7.5	0.2200E-02	82.5- 97.5	0.6949E-04	45	0- 15	0.4351E-02	90-105	0.2166E-03
60-75.00	0.1539E 00	-7.5 TO 7.5	0.1812E-03	82.5- 97.5	0.	60	0- 15	0.1554E-04	90-105	0.
75-75.52	0.5629E-02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.4350E-01	-7.5 TO 22.5	0.1604E-01	82.5-112.5	0.7388E-02	0	0- 30	0.2083E-01	90-120	0.2083E-01
15-30.00	0.1275E 00	-7.5 TO 22.5	0.1464E-01	82.5-112.5	0.3050E-02	15	0- 30	0.3369E-01	90-120	0.9609E-02
30-45.00	0.2029E 00	-7.5 TO 22.5	0.7303E-02	82.5-112.5	0.7863E-03	30	0- 30	0.2178E-01	90-120	0.2624E-02
45-60.00	0.2644E 00	-7.5 TO 22.5	0.2112E-02	82.5-112.5	0.4298E-04	45	0- 30	0.8113E-02	90-120	0.2934E-03
60-75.00	0.3079E 00	-7.5 TO 22.5	0.1670E-03	82.5-112.5	0.	60	0- 30	0.1554E-04	90-120	0.
75-75.52	0.1126E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.6525E-01	-7.5 TO 37.5	0.1557E-01	82.5-127.5	0.6892E-02	0	0- 45	0.3125E-01	90-135	0.3125E-01
15-30.00	0.1913E 00	-7.5 TO 37.5	0.1385E-01	82.5-127.5	0.2666E-02	15	0- 45	0.4766E-01	90-135	0.1307E-01
30-45.00	0.3043E 00	-7.5 TO 37.5	0.6811E-02	82.5-127.5	0.6435E-03	30	0- 45	0.2988E-01	90-135	0.3365E-02
45-60.00	0.3966E 00	-7.5 TO 37.5	0.1935E-02	82.5-127.5	0.3067E-04	45	0- 45	0.1094E-01	90-135	0.3135E-03
60-75.00	0.4618E 00	-7.5 TO 37.5	0.1416E-03	82.5-127.5	0.	60	0- 45	0.1554E-04	90-135	0.
75-75.52	0.1685E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.8700E-01	-7.5 TO 52.5	0.1492E-01	82.5-142.5	0.6482E-02	0	0- 60	0.4167E-01	90-150	0.4167E-01
15-30.00	0.2551E 00	-7.5 TO 52.5	0.1281E-01	82.5-142.5	0.2374E-02	15	0- 60	0.5907E-01	90-150	0.1603E-01
30-45.00	0.4057E 00	-7.5 TO 52.5	0.6178E-02	82.5-142.5	0.5432E-03	30	0- 60	0.3570E-01	90-150	0.3933E-02
45-60.00	0.5288E 00	-7.5 TO 52.5	0.1711E-02	82.5-142.5	0.2379E-04	45	0- 60	0.1279E-01	90-150	0.3372E-03
60-75.00	0.6158E 00	-7.5 TO 52.5	0.1145E-03	82.5-142.5	0.	60	0- 60	0.1554E-04	90-150	0.
75-75.52	0.2252E-01	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.1087E 00	-7.5 TO 67.5	0.1417E-01	82.5-157.5	0.6151E-02	0	0- 75	0.5208E-01	90-165	0.5208E-01
15-30.00	0.3188E 00	-7.5 TO 67.5	0.1167E-01	82.5-157.5	0.2152E-02	15	0- 75	0.6804E-01	90-165	0.1868E-01
30-45.00	0.5072E 00	-7.5 TO 67.5	0.5509E-02	82.5-157.5	0.4713E-03	30	0- 75	0.3958E-01	90-165	0.4410E-02
45-60.00	0.6610E 00	-7.5 TO 67.5	0.1480E-02	82.5-157.5	0.1917E-04	45	0- 75	0.1385E-01	90-165	0.3416E-03
60-75.00	0.7657E 00	-7.5 TO 67.5	0.9276E-04	82.5-157.5	0.	60	0- 75	0.1691E-04	90-165	0.
75-75.52	0.2815E-01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.1305E 00	-7.5 TO 82.5	0.1339E-01	82.5-172.5	0.5889E-02	0	0- 90	0.6250E-01	90-180	0.6250E-01
15-30.00	0.3826E 00	-7.5 TO 82.5	0.1057E-01	82.5-172.5	0.1982E-02	15	0- 90	0.7497E-01	90-180	0.2120E-01
30-45.00	0.6086E 00	-7.5 TO 82.5	0.4877E-02	82.5-172.5	0.4188E-03	30	0- 90	0.4205E-01	90-180	0.4846E-02
45-60.00	0.7932E 00	-7.5 TO 82.5	0.1269E-02	82.5-172.5	0.1600E-04	45	0- 90	0.1436E-01	90-180	0.3453E-03
60-75.00	0.9237E 00	-7.5 TO 82.5	0.7734E-04	82.5-172.5	0.	60	0- 90	0.1711E-04	90-180	0.
75-75.52	0.3377E-01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.1522E 00	-7.5 TO 97.5	0.1261E-01	82.5-187.5	0.5690E-02	0	0-105	0.7292E-01	90-195	0.7292E-01
15-30.00	0.4464E 00	-7.5 TO 97.5	0.9569E-02	82.5-187.5	0.1856E-02	15	0-105	0.8036E-01	90-195	0.2371E-01
30-45.00	0.7101E 00	-7.5 TO 97.5	0.4322E-02	82.5-187.5	0.3802E-03	30	0-105	0.4363E-01	90-195	0.5282E-02
45-60.00	0.9254E 00	-7.5 TO 97.5	0.1098E-02	82.5-187.5	0.1374E-04	45	0-105	0.1458E-01	90-195	0.3490E-03
60-75.00	0.1078E 01	-7.5 TO 97.5	0.8629E-04	82.5-187.5	0.	60	0-105	0.1711E-04	90-195	0.
75-75.52	0.3940E-01	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

r_2/r_1 = 0.50 d/r_1 = 2.000 $\cosh \mu_1$ = 1.1875 $\cosh \mu_2$ = 1.6250 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 52.02

0-15.00	0.2175E-01	-7.5 TO 7.5	0.1625E-01	82.5- 97.5	0.7979E-02	0	0- 15	0.1042E-01	90-105	0.1042E-01
15-30.00	0.6377E-01	-7.5 TO 7.5	0.1530E-01	82.5- 97.5	0.3555E-02	15	0- 15	0.1790E-01	90-105	0.5368E-02
30-45.00	0.1014E 00	-7.5 TO 7.5	0.8187E-02	82.5- 97.5	0.9930E-03	30	0- 15	0.1209E-01	90-105	0.1577E-02
45-60.00	0.1322E 00	-7.5 TO 7.5	0.2593E-02	82.5- 97.5	0.6950E-04	45	0- 15	0.4929E-02	90-105	0.2166E-03
60-75.00	0.1539E 00	-7.5 TO 7.5	0.1806E-03	82.5- 97.5	0.	60	0- 15	0.2574E-04	90-105	0.
75-75.52	0.5629E-02	-7.5 TO 7.5	0.1748E-10	82.5- 97.5	0.	75	0- 15	0.1304E-09	90-105	0.
0-15.00	0.4350E-01	-7.5 TO 22.5	0.1604E-01	82.5-112.5	0.7388E-02	0	0- 30	0.2083E-01	90-120	0.2083E-01
15-30.00	0.1275E 00	-7.5 TO 22.5	0.1489E-01	82.5-112.5	0.3050E-02	15	0- 30	0.3369E-01	90-120	0.9609E-02
30-45.00	0.2029E 00	-7.5 TO 22.5	0.7910E-02	82.5-112.5	0.7863E-03	30	0- 30	0.2272E-01	90-120	0.2624E-02
45-60.00	0.2644E 00	-7.5 TO 22.5	0.2485E-02	82.5-112.5	0.4298E-04	45	0- 30	0.9151E-02	90-120	0.2934E-03
60-75.00	0.3079E 00	-7.5 TO 22.5	0.2052E-03	82.5-112.5	0.	60	0- 30	0.2574E-04	90-120	0.
75-75.52	0.1126E-01	-7.5 TO 22.5	0.9641E-11	82.5-112.5	0.	75	0- 30	0.1304E-09	90-120	0.
0-15.00	0.6525E-01	-7.5 TO 37.5	0.1557E-01	82.5-127.5	0.6892E-02	0	0- 45	0.3125E-01	90-135	0.3125E-01
15-30.00	0.1913E 00	-7.5 TO 37.5	0.1406E-01	82.5-127.5	0.2666E-02	15	0- 45	0.4766E-01	90-135	0.1307E-01
30-45.00	0.3043E 00	-7.5 TO 37.5	0.7342E-02	82.5-127.5	0.6435E-03	30	0- 45	0.3101E-01	90-135	0.3365E-02
45-60.00	0.3966E 00	-7.5 TO 37.5	0.2266E-02	82.5-127.5	0.3068E-04	45	0- 45	0.1225E-01	90-135	0.3135E-03
60-75.00	0.4618E 00	-7.5 TO 37.5	0.1828E-03	82.5-127.5	0.	60	0- 45	0.2574E-04	90-135	0.
75-75.52	0.1689E-01	-7.5 TO 37.5	0.6427E-11	82.5-127.5	0.	75	0- 45	0.1304E-09	90-135	0.
0-15.00	0.8700E-01	-7.5 TO 52.5	0.1492E-01	82.5-142.5	0.6482E-02	0	0- 60	0.4167E-01	90-150	0.4167E-01
15-30.00	0.2551E 00	-7.5 TO 52.5	0.1298E-01	82.5-142.5	0.2374E-02	15	0- 60	0.5907E-01	90-150	0.1603E-01
30-45.00	0.4057E 00	-7.5 TO 52.5	0.6020E-02	82.5-142.5	0.5432E-03	30	0- 60	0.3688E-01	90-150	0.3933E-02
45-60.00	0.5288E 00	-7.5 TO 52.5	0.1991E-02	82.5-142.5	0.2380E-04	45	0- 60	0.1421E-01	90-150	0.3372E-03
60-75.00	0.6158E 00	-7.5 TO 52.5	0.1504E-03	82.5-142.5	0.	60	0- 60	0.2574E-04	90-150	0.
75-75.52	0.2252E-01	-7.5 TO 52.5	0.4820E-11	82.5-142.5	0.	75	0- 60	0.1304E-09	90-150	0.
0-15.00	0.1087E 00	-7.5 TO 67.5	0.1417E-01	82.5-157.5	0.6151E-02	0	0- 75	0.5208E-01	90-165	0.5208E-01
15-30.00	0.3188E 00	-7.5 TO 67.5	0.1181E-01	82.5-157.5	0.2152E-02	15	0- 75	0.6804E-01	90-165	0.1868E-01
30-45.00	0.5072E 00	-7.5 TO 67.5	0.5870E-02	82.5-157.5	0.4713E-03	30	0- 75	0.4076E-01	90-165	0.4410E-02
45-60.00	0.6610E 00	-7.5 TO 67.5	0.1712E-02	82.5-157.5	0.1917E-04	45	0- 75	0.1528E-01	90-165	0.3416E-03
60-75.00	0.7657E 00	-7.5 TO 67.5	0.1222E-03	82.5-157.5	0.	60	0- 75	0.2749E-04	90-165	0.
75-75.52	0.2815E-01	-7.5 TO 67.5	0.3856E-11	82.5-157.5	0.	75	0- 75	0.1304E-09	90-165	0.
0-15.00	0.1305E 00	-7.5 TO 82.5	0.1339E-01	82.5-172.5	0.5889E-02	0	0- 90	0.6250E-01	90-180	0.6250E-01
15-30.00	0.3826E 00	-7.5 TO 82.5	0.1069E-01	82.5-172.5	0.1982E-02	15	0- 90	0.7497E-01	90-180	0.2120E-01
30-45.00	0.6086E 00	-7.5 TO 82.5	0.5178E-02	82.5-172.5	0.4188E-03	30	0- 90	0.4323E-01	90-180	0.4846E-02
45-60.00	0.7932E 00	-7.5 TO 82.5	0.1463E-02	82.5-172.5	0.1601E-04	45	0- 90	0.1579E-01	90-180	0.3453E-03
60-75.00	0.9237E 00	-7.5 TO 82.5	0.1019E-03	82.5-172.5	0.	60	0- 90	0.2775E-04	90-180	0.
75-75.52	0.3377E-01	-7.5 TO 82.5	0.3214E-11	82.5-172.5	0.	75	0- 90	0.1304E-09	90-180	0.
0-15.00	0.1522E 00	-7.5 TO 97.5	0.1261E-01	82.5-187.5	0.5690E-02	0	0-105	0.7292E-01	90-195	0.7292E-01
15-30.00	0.4464E 00	-7.5 TO 97.5	0.9667E-02	82.5-187.5	0.1856E-02	15	0-105	0.8034E-01	90-195	0.2371E-01
30-45.00	0.7101E 00	-7.5 TO 97.5	0.4580E-02	82.5-187.5	0.3802E-03	30	0-105	0.4480E-01	90-195	0.5282E-02
45-60.00	0.9254E 00	-7.5 TO 97.5	0.1264E-02	82.5-187.5	0.1374E-04	45	0-105	0.1601E-01	90-195	0.3490E-03
60-75.00	0.1078E 01	-7.5 TO 97.5	0.8733E-04	82.5-187.5	0.	60	0-105	0.2775E-04	90-195	0.
75-75.52	0.3940E-01	-7.5 TO 97.5	0.2755E-11	82.5-187.5	0.	75	0-105	0.1304E-09	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1875$ $\cosh \mu_2 = 1.6250$ $\alpha_{2,\max} = 104.48$ $\theta_{2,\min} = 41.41$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.2179E-01	-7.5 TO 7.5	0.1625E-01	82.5- 97.5	0.7979E-02	0	0- 15	0.1042E-01	90-105	0.1042E-01
15-30.00	0.6377E-01	-7.5 TO 7.5	0.1530E-01	82.5- 97.5	0.3555E-02	15	0- 15	0.1750E-01	90-105	0.5368E-02
30-45.00	0.1014E 00	-7.5 TO 7.5	0.8227E-02	82.5- 97.5	0.9930E-03	30	C- 15	0.1209E-01	90-105	0.1577E-02
45-60.00	0.1322E 00	-7.5 TO 7.5	0.2669E-02	82.5- 97.5	0.6950E-04	45	0- 15	0.5005E-02	90-105	0.2166E-03
60-75.00	0.1539E 00	-7.5 TO 7.5	0.2986E-03	82.5- 97.5	0.	60	C- 15	0.2841E-04	90-105	0.
75-75.52	0.5629E-02	-7.5 TO 7.5	0.2036E-06	82.5- 97.5	0.	75	0- 15	0.4860E-06	90-105	0.
0-15.00	0.4336E-01	-7.5 TO 22.5	0.1604E-01	82.5-112.5	0.7388E-02	0	C- 30	0.2083E-01	90-120	0.2083E-01
15-30.00	0.1275E 00	-7.5 TO 22.5	0.1489E-01	82.5-112.5	0.3050E-02	15	0- 30	0.3369E-01	90-120	0.9609E-02
30-45.00	0.2029E 00	-7.5 TO 22.5	0.7944E-02	82.5-112.5	0.7863E-03	30	C- 30	0.2272E-01	90-120	0.2624E-02
45-60.00	0.2644E 00	-7.5 TO 22.5	0.2552E-02	82.5-112.5	0.4298E-04	45	0- 30	0.9270E-02	90-120	0.2934E-03
60-75.00	0.3079E 00	-7.5 TO 22.5	0.2750E-03	82.5-112.5	0.	60	C- 30	0.2841E-04	90-120	0.
75-75.52	0.1126E-01	-7.5 TO 22.5	0.1198E-06	82.5-112.5	0.	75	C- 30	0.4860E-06	90-120	0.
0-15.00	0.6545E-01	-7.5 TO 37.5	0.1557E-01	82.5-127.5	0.6892E-02	0	0- 45	0.3125E-01	90-135	0.3125E-01
15-30.00	0.1913E 00	-7.5 TO 37.5	0.1406E-01	82.5-127.5	0.2666E-02	15	0- 45	0.4766E-01	90-135	0.1307E-01
30-45.00	0.3043E 00	-7.5 TO 37.5	0.7368E-02	82.5-127.5	0.6435E-03	30	C- 45	0.3101E-01	90-135	0.3365E-02
45-60.00	0.3966E 00	-7.5 TO 37.5	0.2321E-02	82.5-127.5	0.3068E-04	45	0- 45	0.1238E-01	90-135	0.3135E-03
60-75.00	0.4616E 00	-7.5 TO 37.5	0.2327E-03	82.5-127.5	0.	60	0- 45	0.2841E-04	90-135	0.
75-75.52	0.1689E-01	-7.5 TO 37.5	0.7988E-07	82.5-127.5	0.	75	0- 45	0.4860E-06	90-135	0.
0-15.00	0.8706E-01	-7.5 TO 52.5	0.1492E-01	82.5-142.5	0.6482E-02	0	C- 60	0.4167E-01	90-150	0.4167E-01
15-30.00	0.2551E 00	-7.5 TO 52.5	0.1298E-01	82.5-142.5	0.2374E-02	15	0- 60	0.5907E-01	90-150	0.1603E-01
30-45.00	0.4057E 00	-7.5 TO 52.5	0.6639E-02	82.5-142.5	0.5432E-03	30	C- 60	0.3688E-01	90-150	0.3933E-02
45-60.00	0.5288E 00	-7.5 TO 52.5	0.2033E-02	82.5-142.5	0.2380E-04	45	C- 60	0.1434E-01	90-150	0.3372E-03
60-75.00	0.6158E 00	-7.5 TO 52.5	0.1883E-03	82.5-142.5	0.	60	0- 60	0.2841E-04	90-150	0.
75-75.52	0.2252E-01	-7.5 TO 52.5	0.5991E-07	82.5-142.5	0.	75	C- 60	0.4860E-06	90-150	0.
0-15.00	0.1087E 00	-7.5 TO 67.5	0.1417E-01	82.5-157.5	0.6151E-02	0	0- 75	0.5208E-01	90-165	0.5208E-01
15-30.00	0.3188E 00	-7.5 TO 67.5	0.1181E-01	82.5-157.5	0.2152E-02	15	0- 75	0.6804E-01	90-165	0.1868E-01
30-45.00	0.5072E 00	-7.5 TO 67.5	0.5886E-02	82.5-157.5	0.4713E-03	30	C- 75	0.4076E-01	90-165	0.4410E-02
45-60.00	0.6611E 00	-7.5 TO 67.5	0.1746E-02	82.5-157.5	0.1917E-04	45	0- 75	0.1541E-01	90-165	0.3416E-03
60-75.00	0.7697E 00	-7.5 TO 67.5	0.1525E-03	82.5-157.5	0.	60	0- 75	0.3016E-04	90-165	0.
75-75.52	0.2815E-01	-7.5 TO 67.5	0.4793E-07	82.5-157.5	0.	75	0- 75	0.4860E-06	90-165	0.
0-15.00	0.1305E 00	-7.5 TO 82.5	0.1339E-01	82.5-172.5	0.5889E-02	0	C- 90	0.6250E-01	90-180	0.6250E-01
15-30.00	0.3826E 00	-7.5 TO 82.5	0.1069E-01	82.5-172.5	0.1982E-02	15	C- 90	0.7497E-01	90-180	0.2120E-01
30-45.00	0.6086E 00	-7.5 TO 82.5	0.5191E-02	82.5-172.5	0.4188E-03	30	C- 90	0.4323E-01	90-180	0.4846E-02
45-60.00	0.7932E 00	-7.5 TO 82.5	0.1491E-02	82.5-172.5	0.1601E-04	45	C- 90	0.1592E-01	90-180	0.3453E-03
60-75.00	0.9237E 00	-7.5 TO 82.5	0.1272E-03	82.5-172.5	0.	60	C- 90	0.3042E-04	90-180	0.
75-75.52	0.3377E-01	-7.5 TO 82.5	0.3994E-07	82.5-172.5	0.	75	0- 90	0.4860E-06	90-180	0.
0-15.00	0.1522E 00	-7.5 TO 97.5	0.1261E-01	82.5-187.5	0.5690E-02	0	C-105	0.7292E-01	90-195	0.7292E-01
15-30.00	0.4464E 00	-7.5 TO 97.5	0.9607E-02	82.5-187.5	0.1856E-02	15	C-105	0.8034E-01	90-195	0.2371E-01
30-45.00	0.7101E 00	-7.5 TO 97.5	0.4591E-02	82.5-187.5	0.3802E-03	30	C-105	0.4480E-01	90-195	0.5282E-02
45-60.00	0.9254E 00	-7.5 TO 97.5	0.1288E-02	82.5-187.5	0.1374E-04	45	C-105	0.1614E-01	90-195	0.3490E-03
60-75.00	0.1078E 01	-7.5 TO 97.5	0.1090E-03	82.5-187.5	0.	60	C-105	0.3042E-04	90-195	0.
75-75.52	0.3940E-01	-7.5 TO 97.5	0.3423E-07	82.5-187.5	0.	75	C-105	0.4860E-06	90-195	0.

$r_2/r_1 = 0.50$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6250$ $\cosh \mu_2 = 2.7500$ $\alpha_{2,\max} = 15.00$ $\theta_{2,\min} = 158.18$

0-15.00	0.5437E-02	-7.5 TO 7.5	0.2906E-03	82.5- 97.5	0.2753E-03	0	0- 15	0.3010E-03	90-105	0.3010E-03
15-30.00	0.1594E-01	-7.5 TO 7.5	0.2216E-03	82.5- 97.5	0.1972E-03	15	0- 15	0.2725E-03	90-105	0.2487E-03
30-45.00	0.2536E-01	-7.5 TO 7.5	0.1259E-03	82.5- 97.5	0.1053E-03	30	C- 15	0.1763E-03	90-105	0.1493E-03
45-60.00	0.3305E-01	-7.5 TO 7.5	0.5002E-04	82.5- 97.5	0.3868E-04	45	0- 15	0.8423E-04	90-105	0.6653E-04
60-75.00	0.3845E-01	-7.5 TO 7.5	0.5977E-05	82.5- 97.5	0.3046E-05	60	C- 15	0.2281E-04	90-105	0.1454E-04
75-80.41	0.1471E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	C- 15	0.	90-105	0.
0-15.00	0.1687E-01	-7.5 TO 22.5	0.2903E-03	82.5-112.5	0.2734E-03	0	C- 30	0.6020E-03	90-120	0.6020E-03
15-30.00	0.5188E-01	-7.5 TO 22.5	0.2212E-03	82.5-112.5	0.1943E-03	15	C- 30	0.5435E-03	90-120	0.4925E-03
30-45.00	0.8572E-01	-7.5 TO 22.5	0.1251E-03	82.5-112.5	0.1030E-03	30	C- 30	0.3508E-03	90-120	0.2931E-03
45-60.00	0.1161E-01	-7.5 TO 22.5	0.4981E-04	82.5-112.5	0.3740E-04	45	C- 30	0.1673E-03	90-120	0.1296E-03
60-75.00	0.1357E-01	-7.5 TO 22.5	0.5915E-05	82.5-112.5	0.2804E-05	60	C- 30	0.4506E-04	90-120	0.2751E-04
75-80.41	0.2941E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	C- 30	0.	90-120	0.
0-15.00	0.1631E-01	-7.5 TO 37.5	0.2897E-03	82.5-127.5	0.2716E-03	0	C- 45	0.9030E-03	90-135	0.9030E-03
15-30.00	0.4762E-01	-7.5 TO 37.5	0.2202E-03	82.5-127.5	0.1916E-03	15	0- 45	0.8117E-03	90-135	0.7317E-03
30-45.00	0.7608E-01	-7.5 TO 37.5	0.1243E-03	82.5-127.5	0.1008E-03	30	C- 45	0.5219E-03	90-135	0.4322E-03
45-60.00	0.9915E-01	-7.5 TO 37.5	0.4933E-04	82.5-127.5	0.3622E-04	45	C- 45	0.2481E-03	90-135	0.1896E-03
60-75.00	0.1155E 00	-7.5 TO 37.5	0.5776E-05	82.5-127.5	0.2582E-05	60	0- 45	0.6624E-04	90-135	0.3916E-04
75-80.41	0.4412E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.2175E-01	-7.5 TO 52.5	0.2888E-03	82.5-142.5	0.2700E-03	0	C- 60	0.1204E-02	90-150	0.1204E-02
15-30.00	0.6377E-01	-7.5 TO 52.5	0.2187E-03	82.5-142.5	0.1891E-03	15	0- 60	0.1076E-02	90-150	0.9675E-03
30-45.00	0.1014E 00	-7.5 TO 52.5	0.1230E-03	82.5-142.5	0.9885E-04	30	C- 60	0.6885E-03	90-150	0.5675E-03
45-60.00	0.1322E 00	-7.5 TO 52.5	0.4861E-04	82.5-142.5	0.3516E-04	45	C- 60	0.3259E-03	90-150	0.2473E-03
60-75.00	0.1539E 00	-7.5 TO 52.5	0.5570E-05	82.5-142.5	0.2388E-05	60	C- 60	0.8597E-04	90-150	0.4979E-04
75-80.41	0.5862E-01	-7.5 TO 52.5	0.	82.5-142.5	0.	75	C- 60	0.	90-150	0.
0-15.00	0.2719E-01	-7.5 TO 67.5	0.2876E-03	82.5-157.5	0.2685E-03	0	C- 75	0.1505E-02	90-165	0.1505E-02
15-30.00	0.7971E-01	-7.5 TO 67.5	0.2167E-03	82.5-157.5	0.1869E-03	15	C- 75	0.1335E-02	90-165	0.1201E-02
30-45.00	0.1268E 00	-7.5 TO 67.5	0.1214E-03	82.5-157.5	0.9716E-04	30	C- 75	0.8495E-03	90-165	0.7002E-03
45-60.00	0.1652E 00	-7.5 TO 67.5	0.4770E-04	82.5-157.5	0.3425E-04	45	C- 75	0.4000E-03	90-165	0.3035E-03
60-75.00	0.1924E 00	-7.5 TO 67.5	0.5313E-05	82.5-157.5	0.2324E-05	60	C- 75	0.1040E-03	90-165	0.5973E-04
75-80.41	0.7353E-01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	C- 75	0.	90-165	0.
0-15.00	0.3262E-01	-7.5 TO 82.5	0.2862E-03	82.5-172.5	0.2674E-03	0	C- 90	0.1806E-02	90-180	0.1806E-02
15-30.00	0.9565E-01	-7.5 TO 82.5	0.2145E-03	82.5-172.5	0.1852E-03	15	C- 90	0.1589E-02	90-180	0.1433E-02
30-45.00	0.1522E 00	-7.5 TO 82.5	0.1196E-03	82.5-172.5	0.9577E-04	30	C- 90	0.1005E-02	90-180	0.8316E-03
45-60.00	0.1983E 00	-7.5 TO 82.5	0.4705E-04	82.5-172.5	0.3351E-04	45	C- 90	0.4703E-03	90-180	0.3587E-03
60-75.00	0.2309E 00	-7.5 TO 82.5	0.5028E-05	82.5-172.5	0.2098E-05	60	C- 90	0.1203E-03	90-180	0.6932E-04
75-80.41	0.8823E-01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	C- 90	0.	90-180	0.
0-15.00	0.3806E-01	-7.5 TO 97.5	0.2846E-03	82.5-187.5	0.2664E-03	0	C-105	0.2107E-02	90-195	0.2107E-02
15-30.00	0.1116E 00	-7.5 TO 97.5	0.2120E-03	82.5-187.5	0.1838E-03	15	C-105	0.1838E-02	90-195	0.1665E-02
30-45.00	0.1775E 00	-7.5 TO 97.5	0.1175E-03	82.5-187.5	0.9470E-04	30	C-105	0.1154E-02	90-195	0.9630E-03
45-60.00	0.2313E 00	-7.5 TO 97.5	0.4551E-04	82.5-187.5	0.3294E-04	45	C-105	0.5369E-03	90-195	0.4140E-03
60-75.00	0.2694E 00	-7.5 TO 97.5	0.4745E-05	82.5-187.5	0.2000E-05	60	C-105	0.1348E-03	90-195	0.7891E-04
75-80.41	0.1029E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	75	C-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6250$ $\cosh \mu_2 = 2.7500$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 137.17$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5437E-02	-7.5 TO 7.5	0.1052E-02	82.5- 97.5	0.9483E-03	0	0- 15	0.1034E-02	90-105	0.1034E-02
15-30.00	0.1554E-01	-7.5 TO 7.5	0.8569E-03	82.5- 97.5	0.6849E-03	15	0- 15	0.1013E-02	90-105	0.8506E-03
30-45.00	0.2534E-01	-7.5 TO 7.5	0.5186E-03	82.5- 97.5	0.3707E-03	30	0- 15	0.7049E-03	90-105	0.5123E-03
45-60.00	0.3305E-01	-7.5 TO 7.5	0.2247E-03	82.5- 97.5	0.1386E-03	45	0- 15	0.3610E-03	90-105	0.2301E-03
60-75.00	0.3845E-01	-7.5 TO 7.5	0.3732E-04	82.5- 97.5	0.1149E-04	60	0- 15	0.1139E-03	90-105	0.5072E-04
75-80.41	0.1471E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1087E-01	-7.5 TO 22.5	0.1050E-02	82.5-112.5	0.9358E-03	0	0- 30	0.2068E-02	90-120	0.2068E-02
15-30.00	0.3188E-01	-7.5 TO 22.5	0.8537E-03	82.5-112.5	0.6656E-03	15	0- 30	0.2015E-02	90-120	0.1668E-02
30-45.00	0.5072E-01	-7.5 TO 22.5	0.5157E-03	82.5-112.5	0.3550E-03	30	0- 30	0.1396E-02	90-120	0.9890E-03
45-60.00	0.6610E-01	-7.5 TO 22.5	0.2229E-03	82.5-112.5	0.1301E-03	45	0- 30	0.7125E-03	90-120	0.4373E-03
60-75.00	0.7697E-01	-7.5 TO 22.5	0.3670E-04	82.5-112.5	0.9870E-05	60	0- 30	0.2230E-03	90-120	0.9131E-04
75-80.41	0.2941E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.1631E-01	-7.5 TO 37.5	0.1046E-02	82.5-127.5	0.9241E-03	0	0- 45	0.3103E-02	90-135	0.3103E-02
15-30.00	0.4782E-01	-7.5 TO 37.5	0.8463E-03	82.5-127.5	0.6479E-03	15	0- 45	0.2997E-02	90-135	0.2458E-02
30-45.00	0.7608E-01	-7.5 TO 37.5	0.5091E-03	82.5-127.5	0.3409E-03	30	0- 45	0.2063E-02	90-135	0.1436E-02
45-60.00	0.9915E-01	-7.5 TO 37.5	0.2190E-03	82.5-127.5	0.1224E-03	45	0- 45	0.1046E-02	90-135	0.6259E-03
60-75.00	0.1155E 00	-7.5 TO 37.5	0.3535E-04	82.5-127.5	0.8494E-05	60	0- 45	0.3232E-03	90-135	0.1239E-03
75-80.41	0.4412E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.2175E-01	-7.5 TO 52.5	0.1039E-02	82.5-142.5	0.9136E-03	0	0- 60	0.4137E-02	90-150	0.4137E-02
15-30.00	0.6377E-01	-7.5 TO 52.5	0.8353E-03	82.5-142.5	0.6321E-03	15	0- 60	0.3952E-02	90-150	0.3225E-02
30-45.00	0.1014E 00	-7.5 TO 52.5	0.4994E-03	82.5-142.5	0.3284E-03	30	0- 60	0.2695E-02	90-150	0.1859E-02
45-60.00	0.1322E 00	-7.5 TO 52.5	0.2132E-03	82.5-142.5	0.1157E-03	45	0- 60	0.1357E-02	90-150	0.8003E-03
60-75.00	0.1539E 00	-7.5 TO 52.5	0.3343E-04	82.5-142.5	0.7386E-05	60	0- 60	0.4118E-03	90-150	0.1506E-03
75-80.41	0.5862E-01	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.2715E-01	-7.5 TO 67.5	0.1031E-02	82.5-157.5	0.9044E-03	0	0- 75	0.5171E-02	90-165	0.5171E-02
15-30.00	0.7971E-01	-7.5 TO 67.5	0.8215E-03	82.5-157.5	0.6185E-03	15	0- 75	0.4873E-02	90-165	0.3977E-02
30-45.00	0.1268E 00	-7.5 TO 67.5	0.4873E-03	82.5-157.5	0.3178E-03	30	0- 75	0.3288E-02	90-165	0.2267E-02
45-60.00	0.1652E 00	-7.5 TO 67.5	0.2060E-03	82.5-157.5	0.1101E-03	45	0- 75	0.1640E-02	90-165	0.9653E-03
60-75.00	0.1924E 00	-7.5 TO 67.5	0.3112E-04	82.5-157.5	0.6507E-05	60	0- 75	0.4874E-03	90-165	0.1734E-03
75-80.41	0.7353E-01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.3262E-01	-7.5 TO 82.5	0.1022E-02	82.5-172.5	0.8968E-03	0	0- 90	0.6205E-02	90-180	0.6205E-02
15-30.00	0.9565E-01	-7.5 TO 82.5	0.8055E-03	82.5-172.5	0.6074E-03	15	0- 90	0.5759E-02	90-180	0.4721E-02
30-45.00	0.1522E 00	-7.5 TO 82.5	0.4735E-03	82.5-172.5	0.3092E-03	30	0- 90	0.3840E-02	90-180	0.2668E-02
45-60.00	0.1983E 00	-7.5 TO 82.5	0.1980E-03	82.5-172.5	0.1056E-03	45	0- 90	0.1896E-02	90-180	0.1126E-02
60-75.00	0.2309E 00	-7.5 TO 82.5	0.2861E-04	82.5-172.5	0.5830E-05	60	0- 90	0.5500E-03	90-180	0.1944E-03
75-80.41	0.8823E-01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.3806E-01	-7.5 TO 97.5	0.1011E-02	82.5-187.5	0.8910E-03	0	0-105	0.7240E-02	90-195	0.7240E-02
15-30.00	0.1116E 00	-7.5 TO 97.5	0.7883E-03	82.5-187.5	0.5989E-03	15	0-105	0.6609E-02	90-195	0.5465E-02
30-45.00	0.1775E 00	-7.5 TO 97.5	0.4588E-03	82.5-187.5	0.3026E-03	30	0-105	0.4352E-02	90-195	0.3068E-02
45-60.00	0.2313E 00	-7.5 TO 97.5	0.1895E-03	82.5-187.5	0.1021E-03	45	0-105	0.2126E-02	90-195	0.1286E-02
60-75.00	0.2694E 00	-7.5 TO 97.5	0.2617E-04	82.5-187.5	0.5323E-05	60	0-105	0.6008E-03	90-195	0.2154E-03
75-80.41	0.1029E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

$r_2/r_1 = 0.50$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6250$ $\cosh \mu_2 = 2.7500$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 117.54$

0-15.00	0.5437E-02	-7.5 TO 7.5	0.1957E-02	82.5- 97.5	0.1689E-02	0	0- 15	0.1837E-02	90-105	0.1837E-02
15-30.00	0.1554E-01	-7.5 TO 7.5	0.1694E-02	82.5- 97.5	0.1233E-02	15	0- 15	0.1929E-02	90-105	0.1507E-02
30-45.00	0.2534E-01	-7.5 TO 7.5	0.1092E-02	82.5- 97.5	0.6790E-03	30	0- 15	0.1438E-02	90-105	0.9149E-03
45-60.00	0.3305E-01	-7.5 TO 7.5	0.5091E-03	82.5- 97.5	0.2604E-03	45	0- 15	0.7863E-03	90-105	0.4165E-03
60-75.00	0.3845E-01	-7.5 TO 7.5	0.1083E-03	82.5- 97.5	0.2316E-04	60	0- 15	0.2782E-03	90-105	0.9435E-04
75-80.41	0.1471E-01	-7.5 TO 7.5	0.4685E-07	82.5- 97.5	0.	75	0- 15	0.5052E-06	90-105	0.
0-15.00	0.1087E-01	-7.5 TO 22.5	0.1952E-02	82.5-112.5	0.1658E-02	0	0- 30	0.3673E-02	90-120	0.3673E-02
15-30.00	0.3188E-01	-7.5 TO 22.5	0.1685E-02	82.5-112.5	0.1184E-02	15	0- 30	0.3830E-02	90-120	0.2932E-02
30-45.00	0.5072E-01	-7.5 TO 22.5	0.1083E-02	82.5-112.5	0.6387E-03	30	0- 30	0.2838E-02	90-120	0.1740E-02
45-60.00	0.6610E-01	-7.5 TO 22.5	0.5036E-03	82.5-112.5	0.2380E-03	45	0- 30	0.1544E-02	90-120	0.7751E-03
60-75.00	0.7697E-01	-7.5 TO 22.5	0.1060E-03	82.5-112.5	0.1894E-04	60	0- 30	0.5412E-03	90-120	0.1633E-03
75-80.41	0.2941E-01	-7.5 TO 22.5	0.3322E-07	82.5-112.5	0.	75	0- 30	0.5460E-06	90-120	0.
0-15.00	0.1631E-01	-7.5 TO 37.5	0.1941E-02	82.5-127.5	0.1629E-02	0	0- 45	0.5510E-02	90-135	0.5510E-02
15-30.00	0.4782E-01	-7.5 TO 37.5	0.1664E-02	82.5-127.5	0.1140E-02	15	0- 45	0.5677E-02	90-135	0.4288E-02
30-45.00	0.7608E-01	-7.5 TO 37.5	0.1064E-02	82.5-127.5	0.6030E-03	30	0- 45	0.4166E-02	90-135	0.2491E-02
45-60.00	0.9915E-01	-7.5 TO 37.5	0.4915E-03	82.5-127.5	0.2187E-03	45	0- 45	0.2249E-02	90-135	0.1088E-02
60-75.00	0.1155E 00	-7.5 TO 37.5	0.1011E-03	82.5-127.5	0.1560E-04	60	0- 45	0.7768E-03	90-135	0.2134E-03
75-80.41	0.4412E-01	-7.5 TO 37.5	0.2232E-07	82.5-127.5	0.	75	0- 45	0.5460E-06	90-135	0.
0-15.00	0.2175E-01	-7.5 TO 52.5	0.1924E-02	82.5-142.5	0.1603E-02	0	0- 60	0.7347E-02	90-150	0.7347E-02
15-30.00	0.6377E-01	-7.5 TO 52.5	0.1634E-02	82.5-142.5	0.1101E-02	15	0- 60	0.7451E-02	90-150	0.5589E-02
30-45.00	0.1014E 00	-7.5 TO 52.5	0.1036E-02	82.5-142.5	0.5720E-03	30	0- 60	0.5400E-02	90-150	0.3187E-02
45-60.00	0.1322E 00	-7.5 TO 52.5	0.4740E-03	82.5-142.5	0.2023E-03	45	0- 60	0.2885E-02	90-150	0.1367E-02
60-75.00	0.1539E 00	-7.5 TO 52.5	0.9417E-04	82.5-142.5	0.1302E-04	60	0- 60	0.9770E-03	90-150	0.2503E-03
75-80.41	0.5862E-01	-7.5 TO 52.5	0.1674E-07	82.5-142.5	0.	75	0- 60	0.5460E-06	90-150	0.
0-15.00	0.2715E-01	-7.5 TO 67.5	0.1903E-02	82.5-157.5	0.1580E-02	0	0- 75	0.9183E-02	90-165	0.9183E-02
15-30.00	0.7971E-01	-7.5 TO 67.5	0.1596E-02	82.5-157.5	0.1067E-02	15	0- 75	0.9138E-02	90-165	0.6852E-02
30-45.00	0.1268E 00	-7.5 TO 67.5	0.1001E-02	82.5-157.5	0.5460E-03	30	0- 75	0.6527E-02	90-165	0.3846E-02
45-60.00	0.1652E 00	-7.5 TO 67.5	0.4528E-03	82.5-157.5	0.1888E-03	45	0- 75	0.3445E-02	90-165	0.1624E-02
60-75.00	0.1924E 00	-7.5 TO 67.5	0.8629E-04	82.5-157.5	0.1110E-04	60	0- 75	0.1139E-02	90-165	0.2793E-03
75-80.41	0.7353E-01	-7.5 TO 67.5	0.1339E-07	82.5-157.5	0.	75	0- 75	0.5460E-06	90-165	0.
0-15.00	0.3262E-01	-7.5 TO 82.5	0.1878E-02	82.5-172.5	0.1561E-02	0	0- 90	0.1102E-01	90-180	0.1102E-01
15-30.00	0.9565E-01	-7.5 TO 82.5	0.1554E-02	82.5-172.5	0.1040E-02	15	0- 90	0.1073E-01	90-180	0.8097E-02
30-45.00	0.1522E 00	-7.5 TO 82.5	0.9627E-03	82.5-172.5	0.5251E-03	30	0- 90	0.7544E-02	90-180	0.4486E-02
45-60.00	0.1983E 00	-7.5 TO 82.5	0.4293E-03	82.5-172.5	0.1780E-03	45	0- 90	0.3930E-02	90-180	0.1871E-02
60-75.00	0.2309E 00	-7.5 TO 82.5	0.7799E-04	82.5-172.5	0.9691E-05	60	0- 90	0.1265E-02	90-180	0.3044E-03
75-80.41	0.8823E-01	-7.5 TO 82.5	0.1116E-07	82.5-172.5	0.	75	0- 90	0.5460E-06	90-180	0.
0-15.00	0.3806E-01	-7.5 TO 97.5	0.1851E-02	82.5-187.5	0.1547E-02	0	0-105	0.1286E-01	90-195	0.1286E-01
15-30.00	0.1116E 00	-7.5 TO 97.5	0.1508E-02	82.5-187.5	0.1019E-02	15	0-105	0.1224E-01	90-195	0.9342E-02
30-45.00	0.1775E 00	-7.5 TO 97.5	0.9222E-03	82.5-187.5	0.5091E-03	30	0-105	0.8459E-02	90-195	0.5126E-02
45-60.00	0.2313E 00	-7.5 TO 97.5	0.4052E-03	82.5-187.5	0.1698E-03	45	0-105	0.4347E-02	90-195	0.2117E-02
60-75.00	0.2694E 00	-7.5 TO 97.5	0.7016E-04	82.5-187.5	0.8660E-05	60	0-105	0.1360E-02	90-195	0.3295E-03
75-80.41	0.1029E 00	-7.5 TO 97.5	0.9568E-08	82.5-187.5	0.	75	0-105	0.5460E-06	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6250$ $\cosh \mu_2 = 2.7500$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 99.59$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5437E-02	-7.5 TO 7.5	0.2669E-02	82.5- 97.5	0.2217E-02	0	0- 15	0.2404E-02	90-105	0.2404E-02
15-30.00	0.1594E-01	-7.5 TO 7.5	0.2438E-02	82.5- 97.5	0.1635E-02	15	0- 15	0.2686E-02	90-105	0.1968E-02
30-45.00	0.2536E-01	-7.5 TO 7.5	0.1642E-02	82.5- 97.5	0.9157E-03	30	0- 15	0.2127E-02	90-105	0.1204E-02
45-60.00	0.3305E-01	-7.5 TO 7.5	0.8229E-03	82.5- 97.5	0.3599E-03	45	0- 15	0.1232E-02	90-105	0.5563E-03
60-75.00	0.3849E-01	-7.5 TO 7.5	0.2068E-03	82.5- 97.5	0.3493E-04	60	0- 15	0.4739E-03	90-105	0.1302E-03
75-80.41	0.1471E-01	-7.5 TO 7.5	0.2908E-05	82.5- 97.5	0.	75	0- 15	0.1610E-04	90-105	0.
0-15.00	0.1067E-01	-7.5 TO 22.5	0.2661E-02	82.5-112.5	0.2165E-02	0	0- 30	0.4808E-02	90-120	0.4808E-02
15-30.00	0.3188E-01	-7.5 TO 22.5	0.2421E-02	82.5-112.5	0.1553E-02	15	0- 30	0.5323E-02	90-120	0.3801E-02
30-45.00	0.5072E-01	-7.5 TO 22.5	0.1645E-02	82.5-112.5	0.8473E-03	30	0- 30	0.4185E-02	90-120	0.2258E-02
45-60.00	0.6610E-01	-7.5 TO 22.5	0.8122E-03	82.5-112.5	0.3220E-03	45	0- 30	0.2408E-02	90-120	0.1015E-02
60-75.00	0.7697E-01	-7.5 TO 22.5	0.2019E-03	82.5-112.5	0.2746E-04	60	0- 30	0.9176E-03	90-120	0.2190E-03
75-80.41	0.2941E-01	-7.5 TO 22.5	0.2512E-05	82.5-112.5	0.	75	0- 30	0.2599E-04	90-120	0.
0-15.00	0.1631E-01	-7.5 TO 37.5	0.2642E-02	82.5-127.5	0.2117E-02	0	0- 45	0.7212E-02	90-135	0.7212E-02
15-30.00	0.4782E-01	-7.5 TO 37.5	0.2385E-02	82.5-127.5	0.1479E-02	15	0- 45	0.7866E-02	90-135	0.5520E-02
30-45.00	0.7608E-01	-7.5 TO 37.5	0.1609E-02	82.5-127.5	0.7874E-03	30	0- 45	0.6113E-02	90-135	0.3192E-02
45-60.00	0.9915E-01	-7.5 TO 37.5	0.7887E-03	82.5-127.5	0.2898E-03	45	0- 45	0.3485E-02	90-135	0.1399E-02
60-75.00	0.1155E 00	-7.5 TO 37.5	0.1914E-03	82.5-127.5	0.2196E-04	60	0- 45	0.1307E-02	90-135	0.2787E-03
75-80.41	0.4412E-01	-7.5 TO 37.5	0.1893E-05	82.5-127.5	0.	75	0- 45	0.2827E-04	90-135	0.
0-15.00	0.2175E-01	-7.5 TO 52.5	0.2613E-02	82.5-142.5	0.2074E-02	0	0- 60	0.9615E-02	90-150	0.9615E-02
15-30.00	0.6377E-01	-7.5 TO 52.5	0.2331E-02	82.5-142.5	0.1415E-02	15	0- 60	0.1028E-01	90-150	0.7151E-02
30-45.00	0.1014E 00	-7.5 TO 52.5	0.1557E-02	82.5-142.5	0.7363E-03	30	0- 60	0.7871E-02	90-150	0.4036E-02
45-60.00	0.1322E 00	-7.5 TO 52.5	0.7550E-03	82.5-142.5	0.2631E-03	45	0- 60	0.4434E-02	90-150	0.1730E-02
60-75.00	0.1539E 00	-7.5 TO 52.5	0.1769E-03	82.5-142.5	0.1793E-04	60	0- 60	0.1629E-02	90-150	0.3197E-03
75-80.41	0.5882E-01	-7.5 TO 52.5	0.1433E-05	82.5-142.5	0.	75	0- 60	0.2827E-04	90-150	0.
0-15.00	0.2719E-01	-7.5 TO 67.5	0.2577E-02	82.5-157.5	0.2037E-02	0	0- 75	0.1202E-01	90-165	0.1202E-01
15-30.00	0.7971E-01	-7.5 TO 67.5	0.2265E-02	82.5-157.5	0.1360E-02	15	0- 75	0.1256E-01	90-165	0.8721E-02
30-45.00	0.1268E 00	-7.5 TO 67.5	0.1494E-02	82.5-157.5	0.6940E-03	30	0- 75	0.9440E-02	90-165	0.4820E-02
45-60.00	0.1652E 00	-7.5 TO 67.5	0.7146E-03	82.5-157.5	0.2417E-03	45	0- 75	0.5243E-02	90-165	0.2027E-02
60-75.00	0.1924E 00	-7.5 TO 67.5	0.1605E-03	82.5-157.5	0.1505E-04	60	0- 75	0.1879E-02	90-165	0.3501E-03
75-80.41	0.7353E-01	-7.5 TO 67.5	0.1146E-05	82.5-157.5	0.	75	0- 75	0.2827E-04	90-165	0.
0-15.00	0.3262E-01	-7.5 TO 82.5	0.2535E-02	82.5-172.5	0.2007E-02	0	0- 90	0.1442E-01	90-180	0.1442E-01
15-30.00	0.9565E-01	-7.5 TO 82.5	0.2190E-02	82.5-172.5	0.1316E-02	15	0- 90	0.1467E-01	90-180	0.1026E-01
30-45.00	0.1522E 00	-7.5 TO 82.5	0.1424E-02	82.5-172.5	0.6601E-03	30	0- 90	0.1082E-01	90-180	0.5576E-02
45-60.00	0.1983E 00	-7.5 TO 82.5	0.6707E-03	82.5-172.5	0.2247E-03	45	0- 90	0.5917E-02	90-180	0.2308E-02
60-75.00	0.2309E 00	-7.5 TO 82.5	0.1436E-03	82.5-172.5	0.1300E-04	60	0- 90	0.2064E-02	90-180	0.3757E-03
75-80.41	0.8823E-01	-7.5 TO 82.5	0.9554E-06	82.5-172.5	0.	75	0- 90	0.2827E-04	90-180	0.
0-15.00	0.3866E-01	-7.5 TO 97.5	0.2490E-02	82.5-187.5	0.1983E-02	0	0-105	0.1683E-01	90-195	0.1683E-01
15-30.00	0.1116E 00	-7.5 TO 97.5	0.2111E-02	82.5-187.5	0.1282E-02	15	0-105	0.1664E-01	90-195	0.1180E-01
30-45.00	0.1775E 00	-7.5 TO 97.5	0.1351E-02	82.5-187.5	0.6342E-03	30	0-105	0.1202E-01	90-195	0.6331E-02
45-60.00	0.2313E 00	-7.5 TO 97.5	0.6203E-03	82.5-187.5	0.2120E-03	45	0-105	0.6474E-02	90-195	0.2589E-02
60-75.00	0.2694E 00	-7.5 TO 97.5	0.1280E-03	82.5-187.5	0.1150E-04	60	0-105	0.2194E-02	90-195	0.4013E-03
75-80.41	0.1029E 00	-7.5 TO 97.5	0.8189E-06	82.5-187.5	0.	75	0-105	0.2827E-04	90-195	0.

$r_2/r_1 = 0.50$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6250$ $\cosh \mu_2 = 2.7500$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 83.36$

0-15.00	0.5437E-02	-7.5 TO 7.5	0.3011E-02	82.5- 97.5	0.2406E-02	0	0- 15	0.2604E-02	90-105	0.2604E-02
15-30.00	0.1594E-01	-7.5 TO 7.5	0.2884E-02	82.5- 97.5	0.1787E-02	15	0- 15	0.3087E-02	90-105	0.2123E-02
30-45.00	0.2536E-01	-7.5 TO 7.5	0.2062E-02	82.5- 97.5	0.1014E-02	30	0- 15	0.2577E-02	90-105	0.1303E-02
45-60.00	0.3305E-01	-7.5 TO 7.5	0.1070E-02	82.5- 97.5	0.4059E-03	45	0- 15	0.1564E-02	90-105	0.6076E-03
60-75.00	0.3849E-01	-7.5 TO 7.5	0.2573E-03	82.5- 97.5	0.4183E-04	60	0- 15	0.6380E-03	90-105	0.1455E-03
75-80.41	0.1471E-01	-7.5 TO 7.5	0.1159E-04	82.5- 97.5	0.	75	0- 15	0.4178E-04	90-105	0.
0-15.00	0.1067E-01	-7.5 TO 22.5	0.2999E-02	82.5-112.5	0.2338E-02	0	0- 30	0.5208E-02	90-120	0.5208E-02
15-30.00	0.3188E-01	-7.5 TO 22.5	0.2862E-02	82.5-112.5	0.1679E-02	15	0- 30	0.6106E-02	90-120	0.4071E-02
30-45.00	0.5072E-01	-7.5 TO 22.5	0.2038E-02	82.5-112.5	0.9227E-03	30	0- 30	0.5056E-02	90-120	0.2412E-02
45-60.00	0.6610E-01	-7.5 TO 22.5	0.1054E-02	82.5-112.5	0.3557E-03	45	0- 30	0.3048E-02	90-120	0.1089E-02
60-75.00	0.7697E-01	-7.5 TO 22.5	0.2899E-03	82.5-112.5	0.3196E-04	60	0- 30	0.1231E-02	90-120	0.2394E-03
75-80.41	0.2941E-01	-7.5 TO 22.5	0.1040E-04	82.5-112.5	0.	75	0- 30	0.7147E-04	90-120	0.
0-15.00	0.1631E-01	-7.5 TO 37.5	0.2974E-02	82.5-127.5	0.2276E-02	0	0- 45	0.7812E-02	90-135	0.7812E-02
15-30.00	0.4782E-01	-7.5 TO 37.5	0.2811E-02	82.5-127.5	0.1584E-02	15	0- 45	0.9000E-02	90-135	0.5874E-02
30-45.00	0.7608E-01	-7.5 TO 37.5	0.1986E-02	82.5-127.5	0.8461E-03	30	0- 45	0.7352E-02	90-135	0.3374E-02
45-60.00	0.9915E-01	-7.5 TO 37.5	0.1019E-02	82.5-127.5	0.3149E-03	45	0- 45	0.4387E-02	90-135	0.1482E-02
60-75.00	0.1155E 00	-7.5 TO 37.5	0.2737E-03	82.5-127.5	0.2510E-04	60	0- 45	0.1743E-02	90-135	0.3003E-03
75-80.41	0.4412E-01	-7.5 TO 37.5	0.8328E-05	82.5-127.5	0.	75	0- 45	0.8379E-04	90-135	0.
0-15.00	0.2175E-01	-7.5 TO 52.5	0.2935E-02	82.5-142.5	0.2220E-02	0	0- 60	0.1042E-01	90-150	0.1042E-01
15-30.00	0.6377E-01	-7.5 TO 52.5	0.2737E-02	82.5-142.5	0.1503E-02	15	0- 60	0.1172E-01	90-150	0.7569E-02
30-45.00	0.1014E 00	-7.5 TO 52.5	0.1912E-02	82.5-142.5	0.7831E-03	30	0- 60	0.9412E-02	90-150	0.4232E-02
45-60.00	0.1322E 00	-7.5 TO 52.5	0.9697E-03	82.5-142.5	0.2826E-03	45	0- 60	0.5540E-02	90-150	0.1816E-02
60-75.00	0.1539E 00	-7.5 TO 52.5	0.2516E-03	82.5-142.5	0.2030E-04	60	0- 60	0.2154E-02	90-150	0.3416E-03
75-80.41	0.5882E-01	-7.5 TO 52.5	0.6425E-05	82.5-142.5	0.	75	0- 60	0.8500E-04	90-150	0.
0-15.00	0.2719E-01	-7.5 TO 67.5	0.2887E-02	82.5-157.5	0.2173E-02	0	0- 75	0.1302E-01	90-165	0.1302E-01
15-30.00	0.7971E-01	-7.5 TO 67.5	0.2646E-02	82.5-157.5	0.1436E-02	15	0- 75	0.1425E-01	90-165	0.9192E-02
30-45.00	0.1268E 00	-7.5 TO 67.5	0.1822E-02	82.5-157.5	0.7322E-03	30	0- 75	0.1121E-01	90-165	0.5024E-02
45-60.00	0.1652E 00	-7.5 TO 67.5	0.9108E-03	82.5-157.5	0.2574E-03	45	0- 75	0.6496E-02	90-165	0.2114E-02
60-75.00	0.1924E 00	-7.5 TO 67.5	0.2266E-03	82.5-157.5	0.1695E-04	60	0- 75	0.2464E-02	90-165	0.3720E-03
75-80.41	0.7353E-01	-7.5 TO 67.5	0.5144E-05	82.5-157.5	0.	75	0- 75	0.8500E-04	90-165	0.
0-15.00	0.3262E-01	-7.5 TO 82.5	0.2831E-02	82.5-172.5	0.2135E-02	0	0- 90	0.1562E-01	90-180	0.1562E-01
15-30.00	0.9565E-01	-7.5 TO 82.5	0.2543E-02	82.5-172.5	0.1383E-02	15	0- 90	0.1657E-01	90-180	0.1078E-01
30-45.00	0.1522E 00	-7.5 TO 82.5	0.1723E-02	82.5-172.5	0.6922E-03	30	0- 90	0.1275E-01	90-180	0.5785E-02
45-60.00	0.1983E 00	-7.5 TO 82.5	0.8477E-03	82.5-172.5	0.2379E-03	45	0- 90	0.7264E-02	90-180	0.2395E-02
60-75.00	0.2309E 00	-7.5 TO 82.5	0.2014E-03	82.5-172.5	0.1458E-04	60	0- 90	0.2682E-02	90-180	0.3975E-03
75-80.41	0.8823E-01	-7.5 TO 82.5	0.4287E-05	82.5-172.5	0.	75	0- 90	0.8500E-04	90-180	0.
0-15.00	0.3866E-01	-7.5 TO 97.5	0.2770E-02	82.5-187.5	0.2105E-02	0	0-105	0.1823E-01	90-195	0.1823E-01
15-30.00	0.1116E 00	-7.5 TO 97.5	0.2435E-02	82.5-187.5	0.1342E-02	15	0-105	0.1869E-01	90-195	0.1236E-01
30-45.00	0.1775E 00	-7.5 TO 97.5	0.1621E-02	82.5-187.5	0.6620E-03	30	0-105	0.1405E-01	90-195	0.6545E-02
45-60.00	0.2313E 00	-7.5 TO 97.5	0.7846E-03	82.5-187.5	0.2232E-03	45	0-105	0.7872E-02	90-195	0.2676E-02
60-75.00	0.2694E 00	-7.5 TO 97.5	0.1786E-03	82.5-187.5	0.1285E-04	60	0-105	0.2828E-02	90-195	0.4231E-03
75-80.41	0.1029E 00	-7.5 TO 97.5	0.3674E-05	82.5-187.5	0.	75	0-105	0.8500E-04	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6250$ $\cosh \mu_2 = 2.7500$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 68.68$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5437E-02	-7.5 TO 7.5	0.3039E-02	82.5- 97.5	0.2407E-02	0	0- 15	0.2604E-02	90-105	0.2604E-02
15-30.00	0.1594E-01	-7.5 TO 7.5	0.2991E-02	82.5- 97.5	0.1788E-02	15	0- 15	0.3140E-02	90-105	0.2123E-02
30-45.00	0.2536E-01	-7.5 TO 7.5	0.2220E-02	82.5- 97.5	0.1016E-02	30	0- 15	0.2721E-02	90-105	0.1303E-02
45-60.00	0.3305E-01	-7.5 TO 7.5	0.1192E-02	82.5- 97.5	0.4079E-03	45	0- 15	0.1715E-02	90-105	0.6078E-03
60-75.00	0.3845E-01	-7.5 TO 7.5	0.3493E-03	82.5- 97.5	0.4233E-04	60	0- 15	0.7260E-03	90-105	0.1457E-03
75-80.41	0.1471E-01	-7.5 TO 7.5	0.1969E-04	82.5- 97.5	0.	75	0- 15	0.5997E-04	90-105	0.
0-15.00	0.1087E-01	-7.5 TO 22.5	0.3027E-02	82.5-112.5	0.2338E-02	0	0- 30	0.5208E-02	90-120	0.5208E-02
15-30.00	0.3188E-01	-7.5 TO 22.5	0.2965E-02	82.5-112.5	0.1680E-02	15	0- 30	0.6206E-02	90-120	0.4071E-02
30-45.00	0.5072E-01	-7.5 TO 22.5	0.2191E-02	82.5-112.5	0.9239E-03	30	0- 30	0.5323E-02	90-120	0.2412E-02
45-60.00	0.6611E-01	-7.5 TO 22.5	0.1173E-02	82.5-112.5	0.3567E-03	45	0- 30	0.3331E-02	90-120	0.1090E-02
60-75.00	0.7657E-01	-7.5 TO 22.5	0.3399E-03	82.5-112.5	0.3222E-04	60	0- 30	0.1395E-02	90-120	0.2396E-03
75-80.41	0.2941E-01	-7.5 TO 22.5	0.1778E-04	82.5-112.5	0.	75	0- 30	0.1038E-03	90-120	0.
0-15.00	0.1631E-01	-7.5 TO 37.5	0.2999E-02	82.5-127.5	0.2276E-02	0	0- 45	0.7812E-02	90-135	0.7812E-02
15-30.00	0.4782E-01	-7.5 TO 37.5	0.2906E-02	82.5-127.5	0.1585E-02	15	0- 45	0.9134E-02	90-135	0.5874E-02
30-45.00	0.7606E-01	-7.5 TO 37.5	0.2128E-02	82.5-127.5	0.8469E-03	30	0- 45	0.7710E-02	90-135	0.3374E-02
45-60.00	0.9915E-01	-7.5 TO 37.5	0.1129E-02	82.5-127.5	0.3156E-03	45	0- 45	0.4768E-02	90-135	0.1483E-02
60-75.00	0.1155E 00	-7.5 TO 37.5	0.3197E-03	82.5-127.5	0.2527E-04	60	0- 45	0.1964E-02	90-135	0.3005E-03
75-80.41	0.4412E-01	-7.5 TO 37.5	0.1445E-04	82.5-127.5	0.	75	0- 45	0.1240E-03	90-135	0.
0-15.00	0.2175E-01	-7.5 TO 52.5	0.2958E-02	82.5-142.5	0.2221E-02	0	0- 60	0.1042E-01	90-150	0.1042E-01
15-30.00	0.6377E-01	-7.5 TO 52.5	0.2822E-02	82.5-142.5	0.1504E-02	15	0- 60	0.1188E-01	90-150	0.7569E-02
30-45.00	0.1014E 00	-7.5 TO 52.5	0.2038E-02	82.5-142.5	0.7836E-03	30	0- 60	0.9823E-02	90-150	0.4232E-02
45-60.00	0.1322E 00	-7.5 TO 52.5	0.1068E-02	82.5-142.5	0.2831E-03	45	0- 60	0.5979E-02	90-150	0.1816E-02
60-75.00	0.1539E 00	-7.5 TO 52.5	0.2921E-03	82.5-142.5	0.2043E-04	60	0- 60	0.2409E-02	90-150	0.3418E-03
75-80.41	0.5882E-01	-7.5 TO 52.5	0.1126E-04	82.5-142.5	0.	75	0- 60	0.1271E-03	90-150	0.
0-15.00	0.2715E-01	-7.5 TO 67.5	0.2907E-02	82.5-157.5	0.2173E-02	0	0- 75	0.1302E-01	90-165	0.1302E-01
15-30.00	0.7971E-01	-7.5 TO 67.5	0.2719E-02	82.5-157.5	0.1437E-02	15	0- 75	0.1441E-01	90-165	0.9192E-02
30-45.00	0.1268E 00	-7.5 TO 67.5	0.1931E-02	82.5-157.5	0.7327E-03	30	0- 75	0.1164E-01	90-165	0.5024E-02
45-60.00	0.1652E 00	-7.5 TO 67.5	0.9960E-03	82.5-157.5	0.2578E-03	45	0- 75	0.6961E-02	90-165	0.2114E-02
60-75.00	0.1924E 00	-7.5 TO 67.5	0.2613E-03	82.5-157.5	0.1706E-04	60	0- 75	0.2733E-02	90-165	0.3722E-03
75-80.41	0.7353E-01	-7.5 TO 67.5	0.9025E-05	82.5-157.5	0.	75	0- 75	0.1271E-03	90-165	0.
0-15.00	0.3262E-01	-7.5 TO 82.5	0.2848E-02	82.5-172.5	0.2135E-02	0	0- 90	0.1562E-01	90-180	0.1562E-01
15-30.00	0.9565E-01	-7.5 TO 82.5	0.2606E-02	82.5-172.5	0.1383E-02	15	0- 90	0.1674E-01	90-180	0.1078E-01
30-45.00	0.1522E 00	-7.5 TO 82.5	0.1816E-02	82.5-172.5	0.6926E-03	30	0- 90	0.1319E-01	90-180	0.5785E-02
45-60.00	0.1983E 00	-7.5 TO 82.5	0.9206E-03	82.5-172.5	0.2382E-03	45	0- 90	0.7736E-02	90-180	0.2395E-02
60-75.00	0.2309E 00	-7.5 TO 82.5	0.2309E-03	82.5-172.5	0.1467E-04	60	0- 90	0.2954E-02	90-180	0.3977E-03
75-80.41	0.8823E-01	-7.5 TO 82.5	0.7520E-05	82.5-172.5	0.	75	0- 90	0.1271E-03	90-180	0.
0-15.00	0.3866E-01	-7.5 TO 97.5	0.2785E-02	82.5-187.5	0.2105E-02	0	0-105	0.1823E-01	90-195	0.1823E-01
15-30.00	0.1116E 00	-7.5 TO 97.5	0.2489E-02	82.5-187.5	0.1342E-02	15	0-105	0.1886E-01	90-195	0.1236E-01
30-45.00	0.1775E 00	-7.5 TO 97.5	0.1702E-02	82.5-187.5	0.6623E-03	30	0-105	0.1449E-01	90-195	0.6545E-02
45-60.00	0.2313E 00	-7.5 TO 97.5	0.8474E-03	82.5-187.5	0.2235E-03	45	0-105	0.8344E-02	90-195	0.2676E-02
60-75.00	0.2694E 00	-7.5 TO 97.5	0.2039E-03	82.5-187.5	0.1293E-04	60	0-105	0.3100E-02	90-195	0.4233E-03
75-80.41	0.1029E 00	-7.5 TO 97.5	0.6446E-05	82.5-187.5	0.	75	0-105	0.1271E-03	90-195	0.

$r_2/r_1 = 0.50$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6250$ $\cosh \mu_2 = 2.7500$ $\alpha_{2,max} = 99.59$ $\theta_{2,min} = 60.00$

0-15.00	0.5437E-02	-7.5 TO 7.5	0.3039E-02	82.5- 97.5	0.2407E-02	0	0- 15	0.2604E-02	90-105	0.2604E-02
15-30.00	0.1594E-01	-7.5 TO 7.5	0.2991E-02	82.5- 97.5	0.1788E-02	15	0- 15	0.3140E-02	90-105	0.2123E-02
30-45.00	0.2536E-01	-7.5 TO 7.5	0.2224E-02	82.5- 97.5	0.1016E-02	30	0- 15	0.2721E-02	90-105	0.1303E-02
45-60.00	0.3305E-01	-7.5 TO 7.5	0.1204E-02	82.5- 97.5	0.4079E-03	45	0- 15	0.1724E-02	90-105	0.6078E-03
60-75.00	0.3845E-01	-7.5 TO 7.5	0.3572E-03	82.5- 97.5	0.4233E-04	60	0- 15	0.7375E-03	90-105	0.1457E-03
75-80.41	0.1471E-01	-7.5 TO 7.5	0.2129E-04	82.5- 97.5	0.	75	0- 15	0.6319E-04	90-105	0.
0-15.00	0.1087E-01	-7.5 TO 22.5	0.3027E-02	82.5-112.5	0.2338E-02	0	0- 30	0.5208E-02	90-120	0.5208E-02
15-30.00	0.3188E-01	-7.5 TO 22.5	0.2965E-02	82.5-112.5	0.1680E-02	15	0- 30	0.6206E-02	90-120	0.4071E-02
30-45.00	0.5072E-01	-7.5 TO 22.5	0.2195E-02	82.5-112.5	0.9239E-03	30	0- 30	0.5323E-02	90-120	0.2412E-02
45-60.00	0.6611E-01	-7.5 TO 22.5	0.1184E-02	82.5-112.5	0.3567E-03	45	0- 30	0.3346E-02	90-120	0.1090E-02
60-75.00	0.7657E-01	-7.5 TO 22.5	0.3472E-03	82.5-112.5	0.3222E-04	60	0- 30	0.1414E-02	90-120	0.2396E-03
75-80.41	0.2941E-01	-7.5 TO 22.5	0.1920E-04	82.5-112.5	0.	75	0- 30	0.1091E-03	90-120	0.
0-15.00	0.1631E-01	-7.5 TO 37.5	0.2999E-02	82.5-127.5	0.2276E-02	0	0- 45	0.7812E-02	90-135	0.7812E-02
15-30.00	0.4782E-01	-7.5 TO 37.5	0.2906E-02	82.5-127.5	0.1585E-02	15	0- 45	0.9134E-02	90-135	0.5874E-02
30-45.00	0.7606E-01	-7.5 TO 37.5	0.2131E-02	82.5-127.5	0.8469E-03	30	0- 45	0.7710E-02	90-135	0.3374E-02
45-60.00	0.9915E-01	-7.5 TO 37.5	0.1138E-02	82.5-127.5	0.3156E-03	45	0- 45	0.4783E-02	90-135	0.1483E-02
60-75.00	0.1155E 00	-7.5 TO 37.5	0.3257E-03	82.5-127.5	0.2527E-04	60	0- 45	0.1986E-02	90-135	0.3005E-03
75-80.41	0.4412E-01	-7.5 TO 37.5	0.1557E-04	82.5-127.5	0.	75	0- 45	0.1300E-03	90-135	0.
0-15.00	0.2175E-01	-7.5 TO 52.5	0.2958E-02	82.5-142.5	0.2221E-02	0	0- 60	0.1042E-01	90-150	0.1042E-01
15-30.00	0.6377E-01	-7.5 TO 52.5	0.2822E-02	82.5-142.5	0.1504E-02	15	0- 60	0.1188E-01	90-150	0.7569E-02
30-45.00	0.1014E 00	-7.5 TO 52.5	0.2040E-02	82.5-142.5	0.7836E-03	30	0- 60	0.9823E-02	90-150	0.4232E-02
45-60.00	0.1322E 00	-7.5 TO 52.5	0.1075E-02	82.5-142.5	0.2831E-03	45	0- 60	0.5995E-02	90-150	0.1816E-02
60-75.00	0.1539E 00	-7.5 TO 52.5	0.2968E-03	82.5-142.5	0.2043E-04	60	0- 60	0.2431E-02	90-150	0.3418E-03
75-80.41	0.5882E-01	-7.5 TO 52.5	0.1212E-04	82.5-142.5	0.	75	0- 60	0.1332E-03	90-150	0.
0-15.00	0.2715E-01	-7.5 TO 67.5	0.2907E-02	82.5-157.5	0.2173E-02	0	0- 75	0.1302E-01	90-165	0.1302E-01
15-30.00	0.7971E-01	-7.5 TO 67.5	0.2719E-02	82.5-157.5	0.1437E-02	15	0- 75	0.1441E-01	90-165	0.9192E-02
30-45.00	0.1268E 00	-7.5 TO 67.5	0.1933E-02	82.5-157.5	0.7327E-03	30	0- 75	0.1164E-01	90-165	0.5024E-02
45-60.00	0.1652E 00	-7.5 TO 67.5	0.1002E-02	82.5-157.5	0.2578E-03	45	0- 75	0.6976E-02	90-165	0.2114E-02
60-75.00	0.1924E 00	-7.5 TO 67.5	0.2651E-03	82.5-157.5	0.1706E-04	60	0- 75	0.2755E-02	90-165	0.3722E-03
75-80.41	0.7353E-01	-7.5 TO 67.5	0.9714E-05	82.5-157.5	0.	75	0- 75	0.1332E-03	90-165	0.
0-15.00	0.3262E-01	-7.5 TO 82.5	0.2848E-02	82.5-172.5	0.2135E-02	0	0- 90	0.1562E-01	90-180	0.1562E-01
15-30.00	0.9565E-01	-7.5 TO 82.5	0.2606E-02	82.5-172.5	0.1383E-02	15	0- 90	0.1674E-01	90-180	0.1078E-01
30-45.00	0.1522E 00	-7.5 TO 82.5	0.1818E-02	82.5-172.5	0.6926E-03	30	0- 90	0.1319E-01	90-180	0.5785E-02
45-60.00	0.1983E 00	-7.5 TO 82.5	0.9252E-03	82.5-172.5	0.2382E-03	45	0- 90	0.7751E-02	90-180	0.2395E-02
60-75.00	0.2309E 00	-7.5 TO 82.5	0.2341E-03	82.5-172.5	0.1467E-04	60	0- 90	0.2977E-02	90-180	0.3977E-03
75-80.41	0.8823E-01	-7.5 TO 82.5	0.8095E-05	82.5-172.5	0.	75	0- 90	0.1332E-03	90-180	0.
0-15.00	0.3866E-01	-7.5 TO 97.5	0.2785E-02	82.5-187.5	0.2105E-02	0	0-105	0.1823E-01	90-195	0.1823E-01
15-30.00	0.1116E 00	-7.5 TO 97.5	0.2489E-02	82.5-187.5	0.1342E-02	15	0-105	0.1886E-01	90-195	0.1236E-01
30-45.00	0.1775E 00	-7.5 TO 97.5	0.1703E-02	82.5-187.5	0.6623E-03	30	0-105	0.1449E-01	90-195	0.6545E-02
45-60.00	0.2313E 00	-7.5 TO 97.5	0.8513E-03	82.5-187.5	0.2235E-03	45	0-105	0.8359E-02	90-195	0.2676E-02
60-75.00	0.2694E 00	-7.5 TO 97.5	0.2067E-03	82.5-187.5	0.1293E-04	60	0-105	0.3123E-02	90-195	0.4233E-03
75-80.41	0.1029E 00	-7.5 TO 97.5	0.6939E-05	82.5-187.5	0.	75	0-105	0.1332E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5750$ $\cosh \mu_2 = 4.8500$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 161.56$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1564E-02	-7.5 TO 7.5	0.5498E-04	82.5- 97.5	0.5403E-04	0	0- 15	0.5634E-04	90-105	0.5634E-04
15-30.00	0.4645E-02	-7.5 TO 7.5	0.4763E-04	82.5- 97.5	0.4577E-04	15	0- 15	0.5316E-04	90-105	0.5160E-04
30-45.00	0.7389E-02	-7.5 TO 7.5	0.3476E-04	82.5- 97.5	0.3263E-04	30	0- 15	0.4226E-04	90-105	0.3989E-04
45-60.00	0.9630E-02	-7.5 TO 7.5	0.2045E-04	82.5- 97.5	0.1868E-04	45	0- 15	0.2784E-04	90-105	0.2556E-04
60-75.00	0.1121E-01	-7.5 TO 7.5	0.7648E-05	82.5- 97.5	0.6520E-05	60	0- 15	0.1380E-04	90-105	0.1215E-04
75-84.26	0.7384E-02	-7.5 TO 7.5	0.3869E-06	82.5- 97.5	0.1102E-06	75	0- 15	0.2161E-05	90-105	0.1267E-05
0-15.00	0.3169E-02	-7.5 TO 22.5	0.5497E-04	82.5-112.5	0.5391E-04	0	0- 30	0.1127E-03	90-120	0.1127E-03
15-30.00	0.9290E-02	-7.5 TO 22.5	0.4760E-04	82.5-112.5	0.4554E-04	15	0- 30	0.1062E-03	90-120	0.1029E-03
30-45.00	0.1478E-01	-7.5 TO 22.5	0.3472E-04	82.5-112.5	0.3236E-04	30	0- 30	0.8438E-04	90-120	0.7927E-04
45-60.00	0.1926E-01	-7.5 TO 22.5	0.2042E-04	82.5-112.5	0.1847E-04	45	0- 30	0.5555E-04	90-120	0.5063E-04
60-75.00	0.2243E-01	-7.5 TO 22.5	0.7627E-05	82.5-112.5	0.6382E-05	60	0- 30	0.2790E-04	90-120	0.2396E-04
75-84.26	0.1477E-01	-7.5 TO 22.5	0.3816E-06	82.5-112.5	0.1016E-06	75	0- 30	0.4265E-05	90-120	0.2350E-05
0-15.00	0.4753E-02	-7.5 TO 37.5	0.5493E-04	82.5-127.5	0.5379E-04	0	0- 45	0.1690E-03	90-135	0.1690E-03
15-30.00	0.1393E-01	-7.5 TO 37.5	0.4752E-04	82.5-127.5	0.4531E-04	15	0- 45	0.1591E-03	90-135	0.1538E-03
30-45.00	0.2217E-01	-7.5 TO 37.5	0.3464E-04	82.5-127.5	0.3211E-04	30	0- 45	0.1262E-03	90-135	0.1182E-03
45-60.00	0.2889E-01	-7.5 TO 37.5	0.2035E-04	82.5-127.5	0.1826E-04	45	0- 45	0.8298E-04	90-135	0.7527E-04
60-75.00	0.3364E-01	-7.5 TO 37.5	0.7582E-05	82.5-127.5	0.6253E-05	60	0- 45	0.4100E-04	90-135	0.3545E-04
75-84.26	0.2215E-01	-7.5 TO 37.5	0.3696E-06	82.5-127.5	0.9413E-07	75	0- 45	0.6260E-05	90-135	0.3271E-05
0-15.00	0.6337E-02	-7.5 TO 52.5	0.5487E-04	82.5-142.5	0.5368E-04	0	0- 60	0.2253E-03	90-150	0.2253E-03
15-30.00	0.1858E-01	-7.5 TO 52.5	0.4741E-04	82.5-142.5	0.4511E-04	15	0- 60	0.2117E-03	90-150	0.2045E-03
30-45.00	0.2956E-01	-7.5 TO 52.5	0.3451E-04	82.5-142.5	0.3188E-04	30	0- 60	0.1677E-03	90-150	0.1567E-03
45-60.00	0.3852E-01	-7.5 TO 52.5	0.2024E-04	82.5-142.5	0.1807E-04	45	0- 60	0.1100E-03	90-150	0.9956E-04
60-75.00	0.4486E-01	-7.5 TO 52.5	0.7513E-05	82.5-142.5	0.6136E-05	60	0- 60	0.5423E-04	90-150	0.4670E-04
75-84.26	0.2954E-01	-7.5 TO 52.5	0.3515E-06	82.5-142.5	0.8752E-07	75	0- 60	0.8103E-05	90-150	0.4063E-05
0-15.00	0.7922E-02	-7.5 TO 67.5	0.5480E-04	82.5-157.5	0.5359E-04	0	0- 75	0.2817E-03	90-165	0.2817E-03
15-30.00	0.2322E-01	-7.5 TO 67.5	0.4727E-04	82.5-157.5	0.4493E-04	15	0- 75	0.2640E-03	90-165	0.2550E-03
30-45.00	0.3695E-01	-7.5 TO 67.5	0.3434E-04	82.5-157.5	0.3168E-04	30	0- 75	0.2086E-03	90-165	0.1950E-03
45-60.00	0.4815E-01	-7.5 TO 67.5	0.2011E-04	82.5-157.5	0.1791E-04	45	0- 75	0.1366E-03	90-165	0.1236E-03
60-75.00	0.5607E-01	-7.5 TO 67.5	0.7424E-05	82.5-157.5	0.6034E-05	60	0- 75	0.6712E-04	90-165	0.5778E-04
75-84.26	0.3692E-01	-7.5 TO 67.5	0.3284E-06	82.5-157.5	0.8182E-07	75	0- 75	0.9764E-05	90-165	0.4767E-05
0-15.00	0.9506E-02	-7.5 TO 82.5	0.5471E-04	82.5-172.5	0.5351E-04	0	0- 90	0.3380E-03	90-180	0.3380E-03
15-30.00	0.2787E-01	-7.5 TO 82.5	0.4710E-04	82.5-172.5	0.4478E-04	15	0- 90	0.3169E-03	90-180	0.3055E-03
30-45.00	0.4433E-01	-7.5 TO 82.5	0.3415E-04	82.5-172.5	0.3151E-04	30	0- 90	0.2491E-03	90-180	0.2332E-03
45-60.00	0.5778E-01	-7.5 TO 82.5	0.1994E-04	82.5-172.5	0.1777E-04	45	0- 90	0.1627E-03	90-180	0.1475E-03
60-75.00	0.6728E-01	-7.5 TO 82.5	0.7321E-05	82.5-172.5	0.5950E-05	60	0- 90	0.7964E-04	90-180	0.6877E-04
75-84.26	0.4431E-01	-7.5 TO 82.5	0.3012E-06	82.5-172.5	0.7713E-07	75	0- 90	0.1123E-04	90-180	0.5426E-05
0-15.00	0.1109E-01	-7.5 TO 97.5	0.5461E-04	82.5-187.5	0.5345E-04	0	0-105	0.3943E-03	90-195	0.3943E-03
15-30.00	0.3251E-01	-7.5 TO 97.5	0.4691E-04	82.5-187.5	0.4466E-04	15	0-105	0.3678E-03	90-195	0.3559E-03
30-45.00	0.5172E-01	-7.5 TO 97.5	0.3393E-04	82.5-187.5	0.3138E-04	30	0-105	0.2889E-03	90-195	0.2713E-03
45-60.00	0.6741E-01	-7.5 TO 97.5	0.1976E-04	82.5-187.5	0.1767E-04	45	0-105	0.1883E-03	90-195	0.1714E-03
60-75.00	0.7850E-01	-7.5 TO 97.5	0.7206E-05	82.5-187.5	0.5885E-05	60	0-105	0.9180E-04	90-195	0.7976E-04
75-84.26	0.5169E-01	-7.5 TO 97.5	0.2740E-06	82.5-187.5	0.7352E-07	75	0-105	0.1250E-04	90-195	0.6084E-05

$r_2/r_1 = 0.50$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5750$ $\cosh \mu_2 = 4.8500$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 143.44$

0-15.00	0.1564E-02	-7.5 TO 7.5	0.2023E-03	82.5- 97.5	0.1954E-03	0	0- 15	0.2037E-03	90-105	0.2037E-03
15-30.00	0.4645E-02	-7.5 TO 7.5	0.1792E-03	82.5- 97.5	0.1657E-03	15	0- 15	0.1923E-03	90-105	0.1860E-03
30-45.00	0.7389E-02	-7.5 TO 7.5	0.1340E-03	82.5- 97.5	0.1184E-03	30	0- 15	0.1609E-03	90-105	0.1436E-03
45-60.00	0.9630E-02	-7.5 TO 7.5	0.8107E-04	82.5- 97.5	0.6801E-04	45	0- 15	0.1087E-03	90-105	0.9199E-04
60-75.00	0.1121E-01	-7.5 TO 7.5	0.3225E-04	82.5- 97.5	0.2388E-04	60	0- 15	0.5587E-04	90-105	0.4371E-04
75-84.26	0.7384E-02	-7.5 TO 7.5	0.2679E-05	82.5- 97.5	0.4323E-06	75	0- 15	0.1105E-04	90-105	0.4447E-05
0-15.00	0.3169E-02	-7.5 TO 22.5	0.2022E-03	82.5-112.5	0.1945E-03	0	0- 30	0.4073E-03	90-120	0.4073E-03
15-30.00	0.9290E-02	-7.5 TO 22.5	0.1790E-03	82.5-112.5	0.1641E-03	15	0- 30	0.3938E-03	90-120	0.3695E-03
30-45.00	0.1478E-01	-7.5 TO 22.5	0.1337E-03	82.5-112.5	0.1165E-03	30	0- 30	0.3207E-03	90-120	0.2836E-03
45-60.00	0.1926E-01	-7.5 TO 22.5	0.8084E-04	82.5-112.5	0.6646E-04	45	0- 30	0.2164E-03	90-120	0.1805E-03
60-75.00	0.2243E-01	-7.5 TO 22.5	0.3210E-04	82.5-112.5	0.2292E-04	60	0- 30	0.1109E-03	90-120	0.8497E-04
75-84.26	0.1477E-01	-7.5 TO 22.5	0.2629E-05	82.5-112.5	0.3669E-06	75	0- 30	0.2165E-04	90-120	0.7634E-05
0-15.00	0.4753E-02	-7.5 TO 37.5	0.2019E-03	82.5-127.5	0.1937E-03	0	0- 45	0.6110E-03	90-135	0.6110E-03
15-30.00	0.1393E-01	-7.5 TO 37.5	0.1784E-03	82.5-127.5	0.1625E-03	15	0- 45	0.5891E-03	90-135	0.5511E-03
30-45.00	0.2217E-01	-7.5 TO 37.5	0.1331E-03	82.5-127.5	0.1147E-03	30	0- 45	0.4784E-03	90-135	0.4203E-03
45-60.00	0.2889E-01	-7.5 TO 37.5	0.8030E-04	82.5-127.5	0.6501E-04	45	0- 45	0.3220E-03	90-135	0.2660E-03
60-75.00	0.3364E-01	-7.5 TO 37.5	0.3175E-04	82.5-127.5	0.2203E-04	60	0- 45	0.1645E-03	90-135	0.1241E-03
75-84.26	0.2215E-01	-7.5 TO 37.5	0.2519E-05	82.5-127.5	0.3143E-06	75	0- 45	0.3140E-04	90-135	0.9759E-05
0-15.00	0.6337E-02	-7.5 TO 52.5	0.2015E-03	82.5-142.5	0.1929E-03	0	0- 60	0.8147E-03	90-150	0.8147E-03
15-30.00	0.1858E-01	-7.5 TO 52.5	0.1776E-03	82.5-142.5	0.1610E-03	15	0- 60	0.7824E-03	90-150	0.7307E-03
30-45.00	0.2956E-01	-7.5 TO 52.5	0.1321E-03	82.5-142.5	0.1131E-03	30	0- 60	0.6332E-03	90-150	0.5545E-03
45-60.00	0.3852E-01	-7.5 TO 52.5	0.7949E-04	82.5-142.5	0.6371E-04	45	0- 60	0.4248E-03	90-150	0.3491E-03
60-75.00	0.4486E-01	-7.5 TO 52.5	0.3122E-04	82.5-142.5	0.2123E-04	60	0- 60	0.2160E-03	90-150	0.1616E-03
75-84.26	0.2954E-01	-7.5 TO 52.5	0.2363E-05	82.5-142.5	0.2693E-06	75	0- 60	0.4001E-04	90-150	0.1109E-04
0-15.00	0.7922E-02	-7.5 TO 67.5	0.2009E-03	82.5-157.5	0.1923E-03	0	0- 75	0.1018E-02	90-165	0.1018E-02
15-30.00	0.2322E-01	-7.5 TO 67.5	0.1766E-03	82.5-157.5	0.1598E-03	15	0- 75	0.9735E-03	90-165	0.9092E-03
30-45.00	0.3695E-01	-7.5 TO 67.5	0.1309E-03	82.5-157.5	0.1117E-03	30	0- 75	0.7845E-03	90-165	0.6868E-03
45-60.00	0.4815E-01	-7.5 TO 67.5	0.7846E-04	82.5-157.5	0.6258E-04	45	0- 75	0.5241E-03	90-165	0.4305E-03
60-75.00	0.5607E-01	-7.5 TO 67.5	0.3055E-04	82.5-157.5	0.2055E-04	60	0- 75	0.2690E-03	90-165	0.1980E-03
75-84.26	0.3692E-01	-7.5 TO 67.5	0.2177E-05	82.5-157.5	0.2330E-06	75	0- 75	0.4726E-04	90-165	0.1203E-04
0-15.00	0.9506E-02	-7.5 TO 82.5	0.2003E-03	82.5-172.5	0.1917E-03	0	0- 90	0.1222E-02	90-180	0.1222E-02
15-30.00	0.2787E-01	-7.5 TO 82.5	0.1753E-03	82.5-172.5	0.1587E-03	15	0- 90	0.1162E-02	90-180	0.1087E-02
30-45.00	0.4433E-01	-7.5 TO 82.5	0.1295E-03	82.5-172.5	0.1106E-03	30	0- 90	0.9320E-03	90-180	0.8183E-03
45-60.00	0.5778E-01	-7.5 TO 82.5	0.7725E-04	82.5-172.5	0.6164E-04	45	0- 90	0.6198E-03	90-180	0.5111E-03
60-75.00	0.6728E-01	-7.5 TO 82.5	0.2978E-04	82.5-172.5	0.1999E-04	60	0- 90	0.3113E-03	90-180	0.2337E-03
75-84.26	0.4431E-01	-7.5 TO 82.5	0.1964E-05	82.5-172.5	0.2056E-06	75	0- 90	0.5310E-04	90-180	0.1284E-04
0-15.00	0.1109E-01	-7.5 TO 97.5	0.1996E-03	82.5-187.5	0.1913E-03	0	0-105	0.1426E-02	90-195	0.1426E-02
15-30.00	0.3251E-01	-7.5 TO 97.5	0.1740E-03	82.5-187.5	0.1579E-03	15	0-105	0.1348E-02	90-195	0.1265E-02
30-45.00	0.5172E-01	-7.5 TO 97.5	0.1279E-03	82.5-187.5	0.1097E-03	30	0-105	0.1076E-02	90-195	0.9497E-03
45-60.00	0.6741E-01	-7.5 TO 97.5	0.7593E-04	82.5-187.5	0.6093E-04	45	0-105	0.7218E-03	90-195	0.5917E-03
60-75.00	0.7850E-01	-7.5 TO 97.5	0.2893E-04	82.5-187.5	0.1956E-04	60	0-105	0.3551E-03	90-195	0.2695E-03
75-84.26	0.5169E-01	-7.5 TO 97.5	0.1745E-05	82.5-187.5	0.1852E-06	75	0-105	0.5754E-04	90-195	0.1365E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5750$ $\cosh \mu_2 = 4.8500$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 125.90$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1584E-02	-7.5 TO 7.5	0.3920E-03	82.5- 97.5	0.3725E-03	0	0- 15	0.3881E-03	90-105	0.3881E-03
15-30.00	0.4645E-02	-7.5 TO 7.5	0.3550E-03	82.5- 97.5	0.3164E-03	15	0- 15	0.3855E-03	90-105	0.3536E-03
30-45.00	0.7389E-02	-7.5 TO 7.5	0.2718E-03	82.5- 97.5	0.2268E-03	30	0- 15	0.3223E-03	90-105	0.2728E-03
45-60.00	0.9630E-02	-7.5 TO 7.5	0.1687E-03	82.5- 97.5	0.1308E-03	45	0- 15	0.2232E-03	90-105	0.1749E-03
60-75.00	0.1121E-01	-7.5 TO 7.5	0.7062E-04	82.5- 97.5	0.4636E-04	60	0- 15	0.1184E-03	90-105	0.8326E-04
75-84.26	0.7384E-02	-7.5 TO 7.5	0.7733E-05	82.5- 97.5	0.9289E-06	75	0- 15	0.2736E-04	90-105	0.8468E-05
0-15.00	0.3169E-02	-7.5 TO 22.5	0.3916E-03	82.5-112.5	0.3700E-03	0	0- 30	0.7761E-03	90-120	0.7761E-03
15-30.00	0.9290E-02	-7.5 TO 22.5	0.3543E-03	82.5-112.5	0.3117E-03	15	0- 30	0.7690E-03	90-120	0.7004E-03
30-45.00	0.1478E-01	-7.5 TO 22.5	0.2710E-03	82.5-112.5	0.2215E-03	30	0- 30	0.6413E-03	90-120	0.5354E-03
45-60.00	0.1526E-01	-7.5 TO 22.5	0.1680E-03	82.5-112.5	0.1265E-03	45	0- 30	0.4432E-03	90-120	0.3402E-03
60-75.00	0.2243E-01	-7.5 TO 22.5	0.7015E-04	82.5-112.5	0.4373E-04	60	0- 30	0.2344E-03	90-120	0.1598E-03
75-84.26	0.1477E-01	-7.5 TO 22.5	0.7716E-05	82.5-112.5	0.7337E-06	75	0- 30	0.5337E-04	90-120	0.1362E-04
0-15.00	0.4753E-02	-7.5 TO 37.5	0.3909E-03	82.5-127.5	0.3677E-03	0	0- 45	0.1164E-02	90-135	0.1164E-02
15-30.00	0.1393E-01	-7.5 TO 37.5	0.3528E-03	82.5-127.5	0.3073E-03	15	0- 45	0.1149E-02	90-135	0.1041E-02
30-45.00	0.2217E-01	-7.5 TO 37.5	0.2691E-03	82.5-127.5	0.2165E-03	30	0- 45	0.9544E-03	90-135	0.7891E-03
45-60.00	0.2889E-01	-7.5 TO 37.5	0.1664E-03	82.5-127.5	0.1225E-03	45	0- 45	0.6572E-03	90-135	0.4972E-03
60-75.00	0.3364E-01	-7.5 TO 37.5	0.6910E-04	82.5-127.5	0.4132E-04	60	0- 45	0.3460E-03	90-135	0.2307E-03
75-84.26	0.2215E-01	-7.5 TO 37.5	0.7401E-05	82.5-127.5	0.5886E-06	75	0- 45	0.7687E-04	90-135	0.1616E-04
0-15.00	0.6337E-02	-7.5 TO 52.5	0.3897E-03	82.5-142.5	0.3655E-03	0	0- 60	0.1552E-02	90-150	0.1552E-02
15-30.00	0.1858E-01	-7.5 TO 52.5	0.3504E-03	82.5-142.5	0.3033E-03	15	0- 60	0.1523E-02	90-150	0.1377E-02
30-45.00	0.2956E-01	-7.5 TO 52.5	0.2663E-03	82.5-142.5	0.2120E-03	30	0- 60	0.1259E-02	90-150	0.1036E-02
45-60.00	0.3852E-01	-7.5 TO 52.5	0.1640E-03	82.5-142.5	0.1190E-03	45	0- 60	0.8629E-03	90-150	0.6476E-03
60-75.00	0.4486E-01	-7.5 TO 52.5	0.6754E-04	82.5-142.5	0.3922E-04	60	0- 60	0.4514E-03	90-150	0.2971E-03
75-84.26	0.2954E-01	-7.5 TO 52.5	0.6900E-05	82.5-142.5	0.4773E-06	75	0- 60	0.9698E-04	90-150	0.1749E-04
0-15.00	0.7922E-02	-7.5 TO 67.5	0.3882E-03	82.5-157.5	0.3637E-03	0	0- 75	0.1940E-02	90-165	0.1940E-02
15-30.00	0.2322E-01	-7.5 TO 67.5	0.3474E-03	82.5-157.5	0.2998E-03	15	0- 75	0.1891E-02	90-165	0.1709E-02
30-45.00	0.3695E-01	-7.5 TO 67.5	0.2628E-03	82.5-157.5	0.2082E-03	30	0- 75	0.1554E-02	90-165	0.1277E-02
45-60.00	0.4815E-01	-7.5 TO 67.5	0.1610E-03	82.5-157.5	0.1159E-03	45	0- 75	0.1059E-02	90-165	0.7936E-03
60-75.00	0.5607E-01	-7.5 TO 67.5	0.6557E-04	82.5-157.5	0.3744E-04	60	0- 75	0.5496E-03	90-165	0.3606E-03
75-84.26	0.3692E-01	-7.5 TO 67.5	0.6291E-05	82.5-157.5	0.3994E-06	75	0- 75	0.1132E-03	90-165	0.1843E-04
0-15.00	0.9506E-02	-7.5 TO 82.5	0.3864E-03	82.5-172.5	0.3621E-03	0	0- 90	0.2328E-02	90-180	0.2328E-02
15-30.00	0.2787E-01	-7.5 TO 82.5	0.3438E-03	82.5-172.5	0.2969E-03	15	0- 90	0.2252E-02	90-180	0.2040E-02
30-45.00	0.4433E-01	-7.5 TO 82.5	0.2586E-03	82.5-172.5	0.2050E-03	30	0- 90	0.1837E-02	90-180	0.1516E-02
45-60.00	0.5778E-01	-7.5 TO 82.5	0.1575E-03	82.5-172.5	0.1134E-03	45	0- 90	0.1244E-02	90-180	0.9373E-03
60-75.00	0.6728E-01	-7.5 TO 82.5	0.6331E-04	82.5-172.5	0.3600E-04	60	0- 90	0.6402E-03	90-180	0.4226E-03
75-84.26	0.4431E-01	-7.5 TO 82.5	0.5625E-05	82.5-172.5	0.3442E-06	75	0- 90	0.1255E-03	90-180	0.1924E-04
0-15.00	0.1109E-01	-7.5 TO 97.5	0.3844E-03	82.5-187.5	0.3609E-03	0	0-105	0.2716E-02	90-195	0.2716E-02
15-30.00	0.3251E-01	-7.5 TO 97.5	0.3399E-03	82.5-187.5	0.2947E-03	15	0-105	0.2605E-02	90-195	0.2370E-02
30-45.00	0.5172E-01	-7.5 TO 97.5	0.2541E-03	82.5-187.5	0.2025E-03	30	0-105	0.2110E-02	90-195	0.1755E-02
45-60.00	0.6741E-01	-7.5 TO 97.5	0.1537E-03	82.5-187.5	0.1114E-03	45	0-105	0.1419E-02	90-195	0.1081E-02
60-75.00	0.7850E-01	-7.5 TO 97.5	0.6089E-04	82.5-187.5	0.3489E-04	60	0-105	0.7235E-03	90-195	0.4845E-03
75-84.26	0.5169E-01	-7.5 TO 97.5	0.4954E-05	82.5-187.5	0.3041E-06	75	0-105	0.1339E-03	90-195	0.2005E-04

$r_2/r_1 = 0.50$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5750$ $\cosh \mu_2 = 4.8500$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 109.12$

0-15.00	0.1584E-02	-7.5 TO 7.5	0.5632E-03	82.5- 97.5	0.5265E-03	0	0- 15	0.5482E-03	90-105	0.5482E-03
15-30.00	0.4645E-02	-7.5 TO 7.5	0.5212E-03	82.5- 97.5	0.4481E-03	15	0- 15	0.5585E-03	90-105	0.4985E-03
30-45.00	0.7389E-02	-7.5 TO 7.5	0.4081E-03	82.5- 97.5	0.3223E-03	30	0- 15	0.4782E-03	90-105	0.3845E-03
45-60.00	0.9630E-02	-7.5 TO 7.5	0.2592E-03	82.5- 97.5	0.1869E-03	45	0- 15	0.3388E-03	90-105	0.2669E-03
60-75.00	0.1121E-01	-7.5 TO 7.5	0.1128E-03	82.5- 97.5	0.6687E-04	60	0- 15	0.1846E-03	90-105	0.1179E-03
75-84.26	0.7384E-02	-7.5 TO 7.5	0.1588E-04	82.5- 97.5	0.1584E-05	75	0- 15	0.4724E-04	90-105	0.1220E-04
0-15.00	0.3169E-02	-7.5 TO 22.5	0.5625E-03	82.5-112.5	0.5219E-03	0	0- 30	0.1096E-02	90-120	0.1096E-02
15-30.00	0.9290E-02	-7.5 TO 22.5	0.5199E-03	82.5-112.5	0.4393E-03	15	0- 30	0.1113E-02	90-120	0.9841E-03
30-45.00	0.1478E-01	-7.5 TO 22.5	0.4065E-03	82.5-112.5	0.3124E-03	30	0- 30	0.9503E-03	90-120	0.7500E-03
45-60.00	0.1526E-01	-7.5 TO 22.5	0.2578E-03	82.5-112.5	0.1789E-03	45	0- 30	0.6714E-03	90-120	0.4760E-03
60-75.00	0.2243E-01	-7.5 TO 22.5	0.1119E-03	82.5-112.5	0.6215E-04	60	0- 30	0.3646E-03	90-120	0.2236E-03
75-84.26	0.1477E-01	-7.5 TO 22.5	0.1549E-04	82.5-112.5	0.1165E-05	75	0- 30	0.9186E-04	90-120	0.1878E-04
0-15.00	0.4753E-02	-7.5 TO 37.5	0.5611E-03	82.5-127.5	0.5175E-03	0	0- 45	0.1645E-02	90-135	0.1645E-02
15-30.00	0.1393E-01	-7.5 TO 37.5	0.5169E-03	82.5-127.5	0.4311E-03	15	0- 45	0.1661E-02	90-135	0.1459E-02
30-45.00	0.2217E-01	-7.5 TO 37.5	0.4049E-03	82.5-127.5	0.3032E-03	30	0- 45	0.1411E-02	90-135	0.1099E-02
45-60.00	0.2889E-01	-7.5 TO 37.5	0.2547E-03	82.5-127.5	0.1716E-03	45	0- 45	0.9924E-03	90-135	0.6900E-03
60-75.00	0.3364E-01	-7.5 TO 37.5	0.1098E-03	82.5-127.5	0.5791E-04	60	0- 45	0.5358E-03	90-135	0.3193E-03
75-84.26	0.2215E-01	-7.5 TO 37.5	0.1466E-04	82.5-127.5	0.8921E-06	75	0- 45	0.1316E-03	90-135	0.2138E-04
0-15.00	0.6337E-02	-7.5 TO 52.5	0.5589E-03	82.5-142.5	0.5136E-03	0	0- 60	0.2193E-02	90-150	0.2193E-02
15-30.00	0.1858E-01	-7.5 TO 52.5	0.5124E-03	82.5-142.5	0.4237E-03	15	0- 60	0.2198E-02	90-150	0.1924E-02
30-45.00	0.2956E-01	-7.5 TO 52.5	0.3975E-03	82.5-142.5	0.2950E-03	30	0- 60	0.1855E-02	90-150	0.1435E-02
45-60.00	0.3852E-01	-7.5 TO 52.5	0.2501E-03	82.5-142.5	0.1651E-03	45	0- 60	0.1297E-02	90-150	0.8922E-03
60-75.00	0.4486E-01	-7.5 TO 52.5	0.1068E-03	82.5-142.5	0.5425E-04	60	0- 60	0.6952E-03	90-150	0.4073E-03
75-84.26	0.2954E-01	-7.5 TO 52.5	0.1353E-04	82.5-142.5	0.7052E-06	75	0- 60	0.1650E-03	90-150	0.2271E-04
0-15.00	0.7922E-02	-7.5 TO 67.5	0.5560E-03	82.5-157.5	0.5101E-03	0	0- 75	0.2741E-02	90-165	0.2741E-02
15-30.00	0.2322E-01	-7.5 TO 67.5	0.5066E-03	82.5-157.5	0.4172E-03	15	0- 75	0.2723E-02	90-165	0.2383E-02
30-45.00	0.3695E-01	-7.5 TO 67.5	0.3906E-03	82.5-157.5	0.2879E-03	30	0- 75	0.2281E-02	90-165	0.1762E-02
45-60.00	0.4815E-01	-7.5 TO 67.5	0.2442E-03	82.5-157.5	0.1596E-03	45	0- 75	0.1584E-02	90-165	0.1086E-02
60-75.00	0.5607E-01	-7.5 TO 67.5	0.1030E-03	82.5-157.5	0.5121E-04	60	0- 75	0.8410E-03	90-165	0.4901E-03
75-84.26	0.3692E-01	-7.5 TO 67.5	0.1223E-04	82.5-157.5	0.5817E-06	75	0- 75	0.1911E-03	90-165	0.2366E-04
0-15.00	0.9506E-02	-7.5 TO 82.5	0.5526E-03	82.5-172.5	0.5073E-03	0	0- 90	0.3289E-02	90-180	0.3289E-02
15-30.00	0.2787E-01	-7.5 TO 82.5	0.4999E-03	82.5-172.5	0.4119E-03	15	0- 90	0.3235E-02	90-180	0.2839E-02
30-45.00	0.4433E-01	-7.5 TO 82.5	0.3827E-03	82.5-172.5	0.2821E-03	30	0- 90	0.2686E-02	90-180	0.2084E-02
45-60.00	0.5778E-01	-7.5 TO 82.5	0.2375E-03	82.5-172.5	0.1551E-03	45	0- 90	0.1850E-02	90-180	0.1276E-02
60-75.00	0.6728E-01	-7.5 TO 82.5	0.9873E-04	82.5-172.5	0.4876E-04	60	0- 90	0.9729E-03	90-180	0.5703E-03
75-84.26	0.4431E-01	-7.5 TO 82.5	0.1087E-04	82.5-172.5	0.4961E-06	75	0- 90	0.2094E-03	90-180	0.2447E-04
0-15.00	0.1109E-01	-7.5 TO 97.5	0.5489E-03	82.5-187.5	0.5050E-03	0	0-105	0.3838E-02	90-195	0.3838E-02
15-30.00	0.3251E-01	-7.5 TO 97.5	0.4925E-03	82.5-187.5	0.4077E-03	15	0-105	0.3734E-02	90-195	0.3294E-02
30-45.00	0.5172E-01	-7.5 TO 97.5	0.3741E-03	82.5-187.5	0.2776E-03	30	0-105	0.3070E-02	90-195	0.2407E-02
45-60.00	0.6741E-01	-7.5 TO 97.5	0.2303E-03	82.5-187.5	0.1516E-03	45	0-105	0.2097E-02	90-195	0.1467E-02
60-75.00	0.7850E-01	-7.5 TO 97.5	0.9418E-04	82.5-187.5	0.4689E-04	60	0-105	0.1090E-02	90-195	0.6506E-03
75-84.26	0.5169E-01	-7.5 TO 97.5	0.9540E-05	82.5-187.5	0.4343E-06	75	0-105	0.2221E-03	90-195	0.2528E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5750$ $\cosh \mu_2 = 4.8500$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 93.19$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1584E-02	-7.5 TO 7.5	0.6681E-03	82.5- 97.5	0.6137E-03	0	0- 15	0.6388E-03	90-105	0.6388E-03
15-30.00	0.4645E-02	-7.5 TO 7.5	0.6320E-03	82.5- 97.5	0.5233E-03	15	0- 15	0.6082E-03	90-105	0.5792E-03
30-45.00	0.7389E-02	-7.5 TO 7.5	0.5056E-03	82.5- 97.5	0.3775E-03	30	0- 15	0.4860E-03	90-105	0.4465E-03
45-60.00	0.9630E-02	-7.5 TO 7.5	0.3277E-03	82.5- 97.5	0.2199E-03	45	0- 15	0.3240E-03	90-105	0.2870E-03
60-75.00	0.1121E-01	-7.5 TO 7.5	0.1466E-03	82.5- 97.5	0.7935E-04	60	0- 15	0.2361E-03	90-105	0.1375E-03
75-84.26	0.7384E-02	-7.5 TO 7.5	0.2356E-04	82.5- 97.5	0.2116E-05	75	0- 15	0.6427E-04	90-105	0.1452E-04
0-15.00	0.3169E-02	-7.5 TO 22.5	0.6671E-03	82.5-112.5	0.6069E-03	0	0- 30	0.1278E-02	90-120	0.1278E-02
15-30.00	0.9290E-02	-7.5 TO 22.5	0.6300E-03	82.5-112.5	0.5103E-03	15	0- 30	0.1331E-02	90-120	0.1140E-02
30-45.00	0.1478E-01	-7.5 TO 22.5	0.5032E-03	82.5-112.5	0.3630E-03	30	0- 30	0.1163E-02	90-120	0.8651E-03
45-60.00	0.1926E-01	-7.5 TO 22.5	0.3256E-03	82.5-112.5	0.2084E-03	45	0- 30	0.8387E-03	90-120	0.5482E-03
60-75.00	0.2243E-01	-7.5 TO 22.5	0.1452E-03	82.5-112.5	0.7278E-04	60	0- 30	0.4651E-03	90-120	0.2578E-03
75-84.26	0.1477E-01	-7.5 TO 22.5	0.2295E-04	82.5-112.5	0.1495E-05	75	0- 30	0.1246E-03	90-120	0.2185E-04
0-15.00	0.4753E-02	-7.5 TO 37.5	0.6649E-03	82.5-127.5	0.6005E-03	0	0- 45	0.1916E-02	90-135	0.1916E-02
15-30.00	0.1393E-01	-7.5 TO 37.5	0.6256E-03	82.5-127.5	0.4983E-03	15	0- 45	0.1983E-02	90-135	0.1684E-02
30-45.00	0.2217E-01	-7.5 TO 37.5	0.4978E-03	82.5-127.5	0.3496E-03	30	0- 45	0.1722E-02	90-135	0.1260E-02
45-60.00	0.2889E-01	-7.5 TO 37.5	0.3208E-03	82.5-127.5	0.1979E-03	45	0- 45	0.1230E-02	90-135	0.7877E-03
60-75.00	0.3364E-01	-7.5 TO 37.5	0.1421E-03	82.5-127.5	0.6700E-04	60	0- 45	0.6810E-03	90-135	0.3641E-03
75-84.26	0.2215E-01	-7.5 TO 37.5	0.2162E-04	82.5-127.5	0.1120E-05	75	0- 45	0.1778E-03	90-135	0.2447E-04
0-15.00	0.6337E-02	-7.5 TO 52.5	0.6617E-03	82.5-142.5	0.5947E-03	0	0- 60	0.2555E-02	90-150	0.2555E-02
15-30.00	0.1858E-01	-7.5 TO 52.5	0.6188E-03	82.5-142.5	0.4874E-03	15	0- 60	0.2619E-02	90-150	0.2214E-02
30-45.00	0.2956E-01	-7.5 TO 52.5	0.4897E-03	82.5-142.5	0.3377E-03	30	0- 60	0.2258E-02	90-150	0.1636E-02
45-60.00	0.3852E-01	-7.5 TO 52.5	0.3138E-03	82.5-142.5	0.1887E-03	45	0- 60	0.1609E-02	90-150	0.1010E-02
60-75.00	0.4486E-01	-7.5 TO 52.5	0.1376E-03	82.5-142.5	0.6209E-04	60	0- 60	0.8791E-03	90-150	0.4600E-03
75-84.26	0.2954E-01	-7.5 TO 52.5	0.1982E-04	82.5-142.5	0.8761E-06	75	0- 60	0.2217E-03	90-150	0.2580E-04
0-15.00	0.7922E-02	-7.5 TO 67.5	0.6574E-03	82.5-157.5	0.5896E-03	0	0- 75	0.3194E-02	90-165	0.3194E-02
15-30.00	0.2322E-01	-7.5 TO 67.5	0.6102E-03	82.5-157.5	0.4779E-03	15	0- 75	0.3238E-02	90-165	0.2735E-02
30-45.00	0.3695E-01	-7.5 TO 67.5	0.4794E-03	82.5-157.5	0.3275E-03	30	0- 75	0.2765E-02	90-165	0.1998E-02
45-60.00	0.4815E-01	-7.5 TO 67.5	0.3051E-03	82.5-157.5	0.1809E-03	45	0- 75	0.1954E-02	90-165	0.1222E-02
60-75.00	0.5607E-01	-7.5 TO 67.5	0.1320E-03	82.5-157.5	0.5806E-04	60	0- 75	0.1057E-02	90-165	0.5489E-03
75-84.26	0.3692E-01	-7.5 TO 67.5	0.1781E-04	82.5-157.5	0.7184E-06	75	0- 75	0.2551E-03	90-165	0.2675E-04
0-15.00	0.9506E-02	-7.5 TO 82.5	0.6524E-03	82.5-172.5	0.5854E-03	0	0- 90	0.3833E-02	90-180	0.3833E-02
15-30.00	0.2787E-01	-7.5 TO 82.5	0.6002E-03	82.5-172.5	0.4702E-03	15	0- 90	0.3837E-02	90-180	0.3252E-02
30-45.00	0.4433E-01	-7.5 TO 82.5	0.4675E-03	82.5-172.5	0.3191E-03	30	0- 90	0.3241E-02	90-180	0.2355E-02
45-60.00	0.5778E-01	-7.5 TO 82.5	0.2950E-03	82.5-172.5	0.1745E-03	45	0- 90	0.2269E-02	90-180	0.1428E-02
60-75.00	0.6728E-01	-7.5 TO 82.5	0.1257E-03	82.5-172.5	0.5484E-04	60	0- 90	0.1214E-02	90-180	0.6346E-03
75-84.26	0.4431E-01	-7.5 TO 82.5	0.1575E-04	82.5-172.5	0.6101E-06	75	0- 90	0.2786E-03	90-180	0.2756E-04
0-15.00	0.1109E-01	-7.5 TO 97.5	0.6469E-03	82.5-187.5	0.5822E-03	0	0-105	0.4471E-02	90-195	0.4471E-02
15-30.00	0.3251E-01	-7.5 TO 97.5	0.5892E-03	82.5-187.5	0.4642E-03	15	0-105	0.4481E-02	90-195	0.3769E-02
30-45.00	0.5172E-01	-7.5 TO 97.5	0.4546E-03	82.5-187.5	0.3127E-03	30	0-105	0.3688E-02	90-195	0.2711E-02
45-60.00	0.6741E-01	-7.5 TO 97.5	0.2883E-03	82.5-187.5	0.1697E-03	45	0-105	0.2556E-02	90-195	0.1633E-02
60-75.00	0.7850E-01	-7.5 TO 97.5	0.1191E-03	82.5-187.5	0.5240E-04	60	0-105	0.1351E-02	90-195	0.7202E-03
75-84.26	0.5169E-01	-7.5 TO 97.5	0.1380E-04	82.5-187.5	0.5320E-06	75	0-105	0.2931E-03	90-195	0.2837E-04

$r_2/r_1 = 0.50$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5750$ $\cosh \mu_2 = 4.8500$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 78.10$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1584E-02	-7.5 TO 7.5	0.6895E-03	82.5- 97.5	0.6256E-03	0	0- 15	0.6510E-03	90-105	0.6510E-03
15-30.00	0.4645E-02	-7.5 TO 7.5	0.6649E-03	82.5- 97.5	0.5338E-03	15	0- 15	0.6943E-03	90-105	0.5893E-03
30-45.00	0.7389E-02	-7.5 TO 7.5	0.5433E-03	82.5- 97.5	0.3857E-03	30	0- 15	0.6223E-03	90-105	0.4539E-03
45-60.00	0.9630E-02	-7.5 TO 7.5	0.3584E-03	82.5- 97.5	0.2251E-03	45	0- 15	0.4599E-03	90-105	0.2918E-03
60-75.00	0.1121E-01	-7.5 TO 7.5	0.1632E-03	82.5- 97.5	0.8147E-04	60	0- 15	0.2604E-03	90-105	0.1399E-03
75-84.26	0.7384E-02	-7.5 TO 7.5	0.2779E-04	82.5- 97.5	0.2238E-05	75	0- 15	0.7305E-04	90-105	0.1485E-04
0-15.00	0.3169E-02	-7.5 TO 22.5	0.6884E-03	82.5-112.5	0.6179E-03	0	0- 30	0.1302E-02	90-120	0.1302E-02
15-30.00	0.9290E-02	-7.5 TO 22.5	0.6624E-03	82.5-112.5	0.5191E-03	15	0- 30	0.1382E-02	90-120	0.1157E-02
30-45.00	0.1478E-01	-7.5 TO 22.5	0.5402E-03	82.5-112.5	0.3693E-03	30	0- 30	0.1234E-02	90-120	0.8767E-03
45-60.00	0.1926E-01	-7.5 TO 22.5	0.3557E-03	82.5-112.5	0.2121E-03	45	0- 30	0.9078E-03	90-120	0.5550E-03
60-75.00	0.2243E-01	-7.5 TO 22.5	0.1614E-03	82.5-112.5	0.7426E-04	60	0- 30	0.5117E-03	90-120	0.2611E-03
75-84.26	0.1477E-01	-7.5 TO 22.5	0.2702E-04	82.5-112.5	0.1564E-05	75	0- 30	0.1413E-03	90-120	0.2224E-04
0-15.00	0.4753E-02	-7.5 TO 37.5	0.6858E-03	82.5-127.5	0.6106E-03	0	0- 45	0.1953E-02	90-135	0.1953E-02
15-30.00	0.1393E-01	-7.5 TO 37.5	0.6568E-03	82.5-127.5	0.5056E-03	15	0- 45	0.2056E-02	90-135	0.1707E-02
30-45.00	0.2217E-01	-7.5 TO 37.5	0.5332E-03	82.5-127.5	0.3545E-03	30	0- 45	0.1823E-02	90-135	0.1273E-02
45-60.00	0.2889E-01	-7.5 TO 37.5	0.3496E-03	82.5-127.5	0.2007E-03	45	0- 45	0.1333E-02	90-135	0.7952E-03
60-75.00	0.3364E-01	-7.5 TO 37.5	0.1575E-03	82.5-127.5	0.6806E-04	60	0- 45	0.7463E-03	90-135	0.3676E-03
75-84.26	0.2215E-01	-7.5 TO 37.5	0.2537E-04	82.5-127.5	0.1166E-05	75	0- 45	0.2007E-03	90-135	0.2487E-04
0-15.00	0.6337E-02	-7.5 TO 52.5	0.6818E-03	82.5-142.5	0.6041E-03	0	0- 60	0.2604E-02	90-150	0.2604E-02
15-30.00	0.1858E-01	-7.5 TO 52.5	0.6485E-03	82.5-142.5	0.4936E-03	15	0- 60	0.2713E-02	90-150	0.2242E-02
30-45.00	0.2956E-01	-7.5 TO 52.5	0.5229E-03	82.5-142.5	0.3415E-03	30	0- 60	0.2382E-02	90-150	0.1650E-02
45-60.00	0.3852E-01	-7.5 TO 52.5	0.3407E-03	82.5-142.5	0.1908E-03	45	0- 60	0.1723E-02	90-150	0.1018E-02
60-75.00	0.4486E-01	-7.5 TO 52.5	0.1518E-03	82.5-142.5	0.6290E-04	60	0- 60	0.9584E-03	90-150	0.4634E-03
75-84.26	0.2954E-01	-7.5 TO 52.5	0.2314E-04	82.5-142.5	0.9110E-06	75	0- 60	0.2488E-03	90-150	0.2620E-04
0-15.00	0.7922E-02	-7.5 TO 67.5	0.6768E-03	82.5-157.5	0.5984E-03	0	0- 75	0.3255E-02	90-165	0.3255E-02
15-30.00	0.2322E-01	-7.5 TO 67.5	0.6379E-03	82.5-157.5	0.4833E-03	15	0- 75	0.3343E-02	90-165	0.2767E-02
30-45.00	0.3695E-01	-7.5 TO 67.5	0.5099E-03	82.5-157.5	0.3306E-03	30	0- 75	0.2901E-02	90-165	0.2013E-02
45-60.00	0.4815E-01	-7.5 TO 67.5	0.3295E-03	82.5-157.5	0.1826E-03	45	0- 75	0.2087E-02	90-165	0.1229E-02
60-75.00	0.5607E-01	-7.5 TO 67.5	0.1448E-03	82.5-157.5	0.5870E-04	60	0- 75	0.1145E-02	90-165	0.5524E-03
75-84.26	0.3692E-01	-7.5 TO 67.5	0.2068E-04	82.5-157.5	0.7464E-06	75	0- 75	0.2346E-03	90-165	0.2715E-04
0-15.00	0.9506E-02	-7.5 TO 82.5	0.6709E-03	82.5-172.5	0.5937E-03	0	0- 90	0.3906E-02	90-180	0.3906E-02
15-30.00	0.2787E-01	-7.5 TO 82.5	0.6257E-03	82.5-172.5	0.4748E-03	15	0- 90	0.3960E-02	90-180	0.3287E-02
30-45.00	0.4433E-01	-7.5 TO 82.5	0.4952E-03	82.5-172.5	0.3217E-03	30	0- 90	0.3395E-02	90-180	0.2370E-02
45-60.00	0.5778E-01	-7.5 TO 82.5	0.3170E-03	82.5-172.5	0.1760E-03	45	0- 90	0.2412E-02	90-180	0.1435E-02
60-75.00	0.6728E-01	-7.5 TO 82.5	0.1371E-03	82.5-172.5	0.5538E-04	60	0- 90	0.1308E-02	90-180	0.6380E-03
75-84.26	0.4431E-01	-7.5 TO 82.5	0.1822E-04	82.5-172.5	0.6334E-06	75	0- 90	0.3091E-03	90-180	0.2796E-04
0-15.00	0.1109E-01	-7.5 TO 97.5	0.6644E-03	82.5-187.5	0.5901E-03	0	0-105	0.4557E-02	90-195	0.4557E-02
15-30.00	0.3251E-01	-7.5 TO 97.5	0.6126E-03	82.5-187.5	0.4683E-03	15	0-105	0.4550E-02	90-195	0.3807E-02
30-45.00	0.5172E-01	-7.5 TO 97.5	0.4795E-03	82.5-187.5	0.3149E-03	30	0-105	0.3849E-02	90-195	0.2726E-02
45-60.00	0.6741E-01	-7.5 TO 97.5	0.3039E-03	82.5-187.5	0.1709E-03	45	0-105	0.2704E-02	90-195	0.1641E-02
60-75.00	0.7850E-01	-7.5 TO 97.5	0.1292E-03	82.5-187.5	0.5286E-04	60	0-105	0.1448E-02	90-195	0.7237E-03
75-84.26	0.5169E-01	-7.5 TO 97.5	0.1593E-04	82.5-187.5	0.5519E-06	75	0-105	0.3239E-03	90-195	0.2876E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5750$ $\cosh \mu_2 = 4.8500$ $\alpha_{2,max} = 95.74$ $\theta_{2,min} = 72.54$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1584E-02	-7.5 TO 7.5	0.6895E-03	82.5- 97.5	0.6256E-03	0	0- 15	0.6510E-03	90-105	0.6510E-03
15-30.00	0.4645E-02	-7.5 TO 7.5	0.6649E-03	82.5- 97.5	0.5338E-03	15	0- 15	0.6943E-03	90-105	0.5893E-03
30-45.00	0.7389E-02	-7.5 TO 7.5	0.5436E-03	82.5- 97.5	0.3857E-03	30	0- 15	0.6228E-03	90-105	0.4539E-03
45-60.00	0.9630E-02	-7.5 TO 7.5	0.3596E-03	82.5- 97.5	0.2251E-03	45	0- 15	0.4607E-03	90-105	0.2918E-03
60-75.00	0.1121E-01	-7.5 TO 7.5	0.1643E-03	82.5- 97.5	0.8147E-04	60	0- 15	0.2617E-03	90-105	0.1399E-03
75-84.26	0.7384E-02	-7.5 TO 7.5	0.2813E-04	82.5- 97.5	0.2238E-05	75	0- 15	0.7372E-04	90-105	0.1485E-04
0-15.00	0.3169E-02	-7.5 TO 22.5	0.6884E-03	82.5-112.5	0.6179E-03	0	0- 30	0.1302E-02	90-120	0.1302E-02
15-30.00	0.9290E-02	-7.5 TO 22.5	0.6624E-03	82.5-112.5	0.5191E-03	15	0- 30	0.1382E-02	90-120	0.1157E-02
30-45.00	0.1476E-01	-7.5 TO 22.5	0.5405E-03	82.5-112.5	0.3693E-03	30	0- 30	0.1234E-02	90-120	0.8767E-03
45-60.00	0.1926E-01	-7.5 TO 22.5	0.3568E-03	82.5-112.5	0.2121E-03	45	0- 30	0.9090E-03	90-120	0.5550E-03
60-75.00	0.2243E-01	-7.5 TO 22.5	0.1625E-03	82.5-112.5	0.7426E-04	60	0- 30	0.5140E-03	90-120	0.2611E-03
75-84.26	0.1477E-01	-7.5 TO 22.5	0.2734E-04	82.5-112.5	0.1564E-05	75	0- 30	0.1424E-03	90-120	0.2224E-04
0-15.00	0.4753E-02	-7.5 TO 37.5	0.6858E-03	82.5-127.5	0.6106E-03	0	0- 45	0.1953E-02	90-135	0.1953E-02
15-30.00	0.1392E-01	-7.5 TO 37.5	0.6568E-03	82.5-127.5	0.5056E-03	15	0- 45	0.2056E-02	90-135	0.1707E-02
30-45.00	0.2217E-01	-7.5 TO 37.5	0.5334E-03	82.5-127.5	0.3545E-03	30	0- 45	0.1823E-02	90-135	0.1273E-02
45-60.00	0.2889E-01	-7.5 TO 37.5	0.3505E-03	82.5-127.5	0.2007E-03	45	0- 45	0.1334E-02	90-135	0.7952E-03
60-75.00	0.3364E-01	-7.5 TO 37.5	0.1584E-03	82.5-127.5	0.6806E-04	60	0- 45	0.7489E-03	90-135	0.3676E-03
75-84.26	0.2215E-01	-7.5 TO 37.5	0.2563E-04	82.5-127.5	0.1166E-05	75	0- 45	0.2020E-03	90-135	0.2487E-04
0-15.00	0.6331E-02	-7.5 TO 52.5	0.6818E-03	82.5-142.5	0.6041E-03	0	0- 60	0.2604E-02	90-150	0.2604E-02
15-30.00	0.1858E-01	-7.5 TO 52.5	0.6485E-03	82.5-142.5	0.4936E-03	15	0- 60	0.2713E-02	90-150	0.2242E-02
30-45.00	0.2956E-01	-7.5 TO 52.5	0.5230E-03	82.5-142.5	0.3415E-03	30	0- 60	0.2382E-02	90-150	0.1650E-02
45-60.00	0.3852E-01	-7.5 TO 52.5	0.3414E-03	82.5-142.5	0.1908E-03	45	0- 60	0.1729E-02	90-150	0.1018E-02
60-75.00	0.4486E-01	-7.5 TO 52.5	0.1525E-03	82.5-142.5	0.6290E-04	60	0- 60	0.9611E-03	90-150	0.4634E-03
75-84.26	0.2954E-01	-7.5 TO 52.5	0.2335E-04	82.5-142.5	0.9110E-06	75	0- 60	0.2501E-03	90-150	0.2620E-04
0-15.00	0.7922E-02	-7.5 TO 67.5	0.6768E-03	82.5-157.5	0.5984E-03	0	0- 75	0.3255E-02	90-165	0.3255E-02
15-30.00	0.2322E-01	-7.5 TO 67.5	0.6379E-03	82.5-157.5	0.4833E-03	15	0- 75	0.3348E-02	90-165	0.2767E-02
30-45.00	0.3695E-01	-7.5 TO 67.5	0.5100E-03	82.5-157.5	0.3306E-03	30	0- 75	0.2907E-02	90-165	0.2013E-02
45-60.00	0.4815E-01	-7.5 TO 67.5	0.3301E-03	82.5-157.5	0.1826E-03	45	0- 75	0.2089E-02	90-165	0.1229E-02
60-75.00	0.5607E-01	-7.5 TO 67.5	0.1454E-03	82.5-157.5	0.5870E-04	60	0- 75	0.1148E-02	90-165	0.5524E-03
75-84.26	0.3692E-01	-7.5 TO 67.5	0.2085E-04	82.5-157.5	0.7464E-06	75	0- 75	0.2860E-03	90-165	0.2715E-04
0-15.00	0.9506E-02	-7.5 TO 82.5	0.6709E-03	82.5-172.5	0.5937E-03	0	0- 90	0.3906E-02	90-180	0.3906E-02
15-30.00	0.2787E-01	-7.5 TO 82.5	0.6257E-03	82.5-172.5	0.4748E-03	15	0- 90	0.3980E-02	90-180	0.3287E-02
30-45.00	0.4433E-01	-7.5 TO 82.5	0.4953E-03	82.5-172.5	0.3217E-03	30	0- 90	0.3395E-02	90-180	0.2370E-02
45-60.00	0.5778E-01	-7.5 TO 82.5	0.3175E-03	82.5-172.5	0.1760E-03	45	0- 90	0.2413E-02	90-180	0.1435E-02
60-75.00	0.6728E-01	-7.5 TO 82.5	0.1376E-03	82.5-172.5	0.5538E-04	60	0- 90	0.1310E-02	90-180	0.6380E-03
75-84.26	0.4431E-01	-7.5 TO 82.5	0.1836E-04	82.5-172.5	0.6334E-06	75	0- 90	0.3105E-03	90-180	0.2796E-04
0-15.00	0.1109E-01	-7.5 TO 97.5	0.6644E-03	82.5-187.5	0.5901E-03	0	0-105	0.4557E-02	90-195	0.4557E-02
15-30.00	0.3251E-01	-7.5 TO 97.5	0.6126E-03	82.5-187.5	0.4683E-03	15	0-105	0.4550E-02	90-195	0.3807E-02
30-45.00	0.5172E-01	-7.5 TO 97.5	0.4796E-03	82.5-187.5	0.3169E-03	30	0-105	0.3869E-02	90-195	0.2726E-02
45-60.00	0.6741E-01	-7.5 TO 97.5	0.3043E-03	82.5-187.5	0.1709E-03	45	0-105	0.2709E-02	90-195	0.1641E-02
60-75.00	0.7850E-01	-7.5 TO 97.5	0.1296E-03	82.5-187.5	0.5286E-04	60	0-105	0.1450E-02	90-195	0.7237E-03
75-84.26	0.5169E-01	-7.5 TO 97.5	0.1605E-04	82.5-187.5	0.5519E-06	75	0-105	0.3253E-03	90-195	0.2876E-04

$r_2/r_1 = 0.50$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5536$ $\cosh \mu_2 = 6.8929$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 162.67$

0-15.00	0.7672E-03	-7.5 TO 7.5	0.2242E-04	82.5- 97.5	0.2220E-04	0	0- 15	0.2291E-04	90-105	0.2291E-04
15-30.00	0.2249E-02	-7.5 TO 7.5	0.2000E-04	82.5- 97.5	0.1954E-04	15	0- 15	0.2182E-04	90-105	0.2145E-04
30-45.00	0.3576E-02	-7.5 TO 7.5	0.1555E-04	82.5- 97.5	0.1498E-04	30	0- 15	0.1820E-04	90-105	0.1760E-04
45-60.00	0.4663E-02	-7.5 TO 7.5	0.1012E-04	82.5- 97.5	0.9592E-05	45	0- 15	0.1309E-04	90-105	0.1238E-04
60-75.00	0.5430E-02	-7.5 TO 7.5	0.4681E-05	82.5- 97.5	0.4295E-05	60	0- 15	0.7404E-05	90-105	0.6876E-05
75-85.90	0.4219E-02	-7.5 TO 7.5	0.6752E-06	82.5- 97.5	0.5243E-06	75	0- 15	0.2159E-05	90-105	0.1823E-05
0-15.00	0.1534E-02	-7.5 TO 22.5	0.2242E-04	82.5-112.5	0.2217E-04	0	0- 30	0.4582E-04	90-120	0.4582E-04
15-30.00	0.4458E-02	-7.5 TO 22.5	0.1999E-04	82.5-112.5	0.1948E-04	15	0- 30	0.4362E-04	90-120	0.4282E-04
30-45.00	0.7156E-02	-7.5 TO 22.5	0.1554E-04	82.5-112.5	0.1491E-04	30	0- 30	0.3637E-04	90-120	0.3506E-04
45-60.00	0.9326E-02	-7.5 TO 22.5	0.1011E-04	82.5-112.5	0.9525E-05	45	0- 30	0.2601E-04	90-120	0.2462E-04
60-75.00	0.1086E-01	-7.5 TO 22.5	0.4674E-05	82.5-112.5	0.4247E-05	60	0- 30	0.1478E-04	90-120	0.1364E-04
75-85.90	0.8438E-02	-7.5 TO 22.5	0.6725E-06	82.5-112.5	0.5056E-06	75	0- 30	0.4298E-05	90-120	0.3573E-05
0-15.00	0.2302E-02	-7.5 TO 37.5	0.2241E-04	82.5-127.5	0.2214E-04	0	0- 45	0.6874E-04	90-135	0.6874E-04
15-30.00	0.6748E-02	-7.5 TO 37.5	0.1997E-04	82.5-127.5	0.1943E-04	15	0- 45	0.6538E-04	90-135	0.6411E-04
30-45.00	0.1073E-01	-7.5 TO 37.5	0.1552E-04	82.5-127.5	0.1484E-04	30	0- 45	0.5446E-04	90-135	0.5241E-04
45-60.00	0.1399E-01	-7.5 TO 37.5	0.1009E-04	82.5-127.5	0.9462E-05	45	0- 45	0.3893E-04	90-135	0.3674E-04
60-75.00	0.1629E-01	-7.5 TO 37.5	0.4659E-05	82.5-127.5	0.4201E-05	60	0- 45	0.2208E-04	90-135	0.2030E-04
75-85.90	0.1266E-01	-7.5 TO 37.5	0.6665E-06	82.5-127.5	0.4880E-06	75	0- 45	0.6396E-05	90-135	0.5260E-05
0-15.00	0.3069E-02	-7.5 TO 52.5	0.2240E-04	82.5-142.5	0.2212E-04	0	0- 60	0.9165E-04	90-150	0.9165E-04
15-30.00	0.8917E-02	-7.5 TO 52.5	0.1995E-04	82.5-142.5	0.1938E-04	15	0- 60	0.8707E-04	90-150	0.8535E-04
30-45.00	0.1431E-01	-7.5 TO 52.5	0.1549E-04	82.5-142.5	0.1478E-04	30	0- 60	0.7246E-04	90-150	0.6965E-04
45-60.00	0.1865E-01	-7.5 TO 52.5	0.1006E-04	82.5-142.5	0.9404E-05	45	0- 60	0.5173E-04	90-150	0.4875E-04
60-75.00	0.2172E-01	-7.5 TO 52.5	0.4636E-05	82.5-142.5	0.4159E-05	60	0- 60	0.2930E-04	90-150	0.2688E-04
75-85.90	0.1688E-01	-7.5 TO 52.5	0.6573E-06	82.5-142.5	0.4720E-06	75	0- 60	0.8437E-05	90-150	0.6895E-05
0-15.00	0.3836E-02	-7.5 TO 67.5	0.2238E-04	82.5-157.5	0.2209E-04	0	0- 75	0.1146E-03	90-165	0.1146E-03
15-30.00	0.1125E-01	-7.5 TO 67.5	0.1991E-04	82.5-157.5	0.1933E-04	15	0- 75	0.1087E-03	90-165	0.1065E-03
30-45.00	0.1789E-01	-7.5 TO 67.5	0.1544E-04	82.5-157.5	0.1472E-04	30	0- 75	0.9033E-04	90-165	0.8683E-04
45-60.00	0.2331E-01	-7.5 TO 67.5	0.1002E-04	82.5-157.5	0.9353E-05	45	0- 75	0.6440E-04	90-165	0.6069E-04
60-75.00	0.2715E-01	-7.5 TO 67.5	0.4606E-05	82.5-157.5	0.4123E-05	60	0- 75	0.3642E-04	90-165	0.3340E-04
75-85.90	0.2110E-01	-7.5 TO 67.5	0.6456E-06	82.5-157.5	0.4583E-06	75	0- 75	0.1041E-04	90-165	0.8495E-05
0-15.00	0.4603E-02	-7.5 TO 82.5	0.2236E-04	82.5-172.5	0.2207E-04	0	0- 90	0.1375E-03	90-180	0.1375E-03
15-30.00	0.1350E-01	-7.5 TO 82.5	0.1987E-04	82.5-172.5	0.1929E-04	15	0- 90	0.1302E-03	90-180	0.1277E-03
30-45.00	0.2147E-01	-7.5 TO 82.5	0.1539E-04	82.5-172.5	0.1467E-04	30	0- 90	0.1081E-03	90-180	0.1040E-03
45-60.00	0.2798E-01	-7.5 TO 82.5	0.9969E-05	82.5-172.5	0.9311E-05	45	0- 90	0.7693E-04	90-180	0.7260E-04
60-75.00	0.3258E-01	-7.5 TO 82.5	0.4570E-05	82.5-172.5	0.4093E-05	60	0- 90	0.4342E-04	90-180	0.3988E-04
75-85.90	0.2531E-01	-7.5 TO 82.5	0.6317E-06	82.5-172.5	0.4472E-06	75	0- 90	0.1231E-04	90-180	0.1008E-04
0-15.00	0.5370E-02	-7.5 TO 97.5	0.2234E-04	82.5-187.5	0.2206E-04	0	0-105	0.1604E-03	90-195	0.1604E-03
15-30.00	0.1574E-01	-7.5 TO 97.5	0.1982E-04	82.5-187.5	0.1926E-04	15	0-105	0.1517E-03	90-195	0.1489E-03
30-45.00	0.2505E-01	-7.5 TO 97.5	0.1533E-04	82.5-187.5	0.1464E-04	30	0-105	0.1257E-03	90-195	0.1211E-03
45-60.00	0.3264E-01	-7.5 TO 97.5	0.9915E-05	82.5-187.5	0.9278E-05	45	0-105	0.8932E-04	90-195	0.8450E-04
60-75.00	0.3801E-01	-7.5 TO 97.5	0.4531E-05	82.5-187.5	0.4069E-05	60	0-105	0.5029E-04	90-195	0.4637E-04
75-85.90	0.2953E-01	-7.5 TO 97.5	0.6163E-06	82.5-187.5	0.4388E-06	75	0-105	0.1413E-04	90-195	0.1166E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5536$ $\cosh \mu_2 = 6.8929$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 145.54$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7672E-03	-7.5 TO 7.5	0.8290E-04	82.5- 97.5	0.8125E-04	0	0- 15	0.8386E-04	90-105	0.8386E-04
15-30.00	0.2249E-02	-7.5 TO 7.5	0.7493E-04	82.5- 97.5	0.7156E-04	15	0- 15	0.8109E-04	90-105	0.7837E-04
30-45.00	0.3578E-02	-7.5 TO 7.5	0.5911E-04	82.5- 97.5	0.5490E-04	30	0- 15	0.6866E-04	90-105	0.6421E-04
45-60.00	0.4663E-02	-7.5 TO 7.5	0.3910E-04	82.5- 97.5	0.3520E-04	45	0- 15	0.4989E-04	90-105	0.4514E-04
60-75.00	0.5430E-02	-7.5 TO 7.5	0.1864E-04	82.5- 97.5	0.1579E-04	60	0- 15	0.2893E-04	90-105	0.2504E-04
75-85.90	0.4219E-02	-7.5 TO 7.5	0.3069E-05	82.5- 97.5	0.1945E-05	75	0- 15	0.9065E-05	90-105	0.6596E-05
0-15.00	0.1534E-02	-7.5 TO 22.5	0.8288E-04	82.5-112.5	0.8104E-04	0	0- 30	0.1677E-03	90-120	0.1677E-03
15-30.00	0.4498E-02	-7.5 TO 22.5	0.7487E-04	82.5-112.5	0.7113E-04	15	0- 30	0.1620E-03	90-120	0.1561E-03
30-45.00	0.7156E-02	-7.5 TO 22.5	0.5904E-04	82.5-112.5	0.5438E-04	30	0- 30	0.1370E-03	90-120	0.1275E-03
45-60.00	0.9326E-02	-7.5 TO 22.5	0.3903E-04	82.5-112.5	0.3471E-04	45	0- 30	0.9948E-04	90-120	0.8927E-04
60-75.00	0.1086E-01	-7.5 TO 22.5	0.1859E-04	82.5-112.5	0.1545E-04	60	0- 30	0.5761E-04	90-120	0.4926E-04
75-85.90	0.8438E-02	-7.5 TO 22.5	0.3046E-05	82.5-112.5	0.1814E-05	75	0- 30	0.1797E-04	90-120	0.1269E-04
0-15.00	0.2302E-02	-7.5 TO 37.5	0.8281E-04	82.5-127.5	0.8084E-04	0	0- 45	0.2516E-03	90-135	0.2516E-03
15-30.00	0.6748E-02	-7.5 TO 37.5	0.7474E-04	82.5-127.5	0.7073E-04	15	0- 45	0.2426E-03	90-135	0.2334E-03
30-45.00	0.1073E-01	-7.5 TO 37.5	0.5887E-04	82.5-127.5	0.5388E-04	30	0- 45	0.2049E-03	90-135	0.1898E-03
45-60.00	0.1399E-01	-7.5 TO 37.5	0.3888E-04	82.5-127.5	0.3426E-04	45	0- 45	0.1485E-03	90-135	0.1325E-03
60-75.00	0.1629E-01	-7.5 TO 37.5	0.1848E-04	82.5-127.5	0.1512E-04	60	0- 45	0.8583E-04	90-135	0.7276E-04
75-85.90	0.1266E-01	-7.5 TO 37.5	0.2997E-05	82.5-127.5	0.1695E-05	75	0- 45	0.2657E-04	90-135	0.1833E-04
0-15.00	0.3069E-02	-7.5 TO 52.5	0.8271E-04	82.5-142.5	0.8066E-04	0	0- 60	0.3354E-03	90-150	0.3354E-03
15-30.00	0.8997E-02	-7.5 TO 52.5	0.7454E-04	82.5-142.5	0.7036E-04	15	0- 60	0.3228E-03	90-150	0.3102E-03
30-45.00	0.1431E-01	-7.5 TO 52.5	0.5862E-04	82.5-142.5	0.5343E-04	30	0- 60	0.2720E-03	90-150	0.2515E-03
45-60.00	0.1865E-01	-7.5 TO 52.5	0.3864E-04	82.5-142.5	0.3385E-04	45	0- 60	0.1967E-03	90-150	0.1750E-03
60-75.00	0.2172E-01	-7.5 TO 52.5	0.1830E-04	82.5-142.5	0.1483E-04	60	0- 60	0.1134E-03	90-150	0.9569E-04
75-85.90	0.1688E-01	-7.5 TO 52.5	0.2926E-05	82.5-142.5	0.1596E-05	75	0- 60	0.3476E-04	90-150	0.2363E-04
0-15.00	0.3836E-02	-7.5 TO 67.5	0.8259E-04	82.5-157.5	0.8049E-04	0	0- 75	0.4193E-03	90-165	0.4193E-03
15-30.00	0.1125E-01	-7.5 TO 67.5	0.7427E-04	82.5-157.5	0.7003E-04	15	0- 75	0.4024E-03	90-165	0.3867E-03
30-45.00	0.1789E-01	-7.5 TO 67.5	0.5829E-04	82.5-157.5	0.5303E-04	30	0- 75	0.3382E-03	90-165	0.3127E-03
45-60.00	0.2331E-01	-7.5 TO 67.5	0.3833E-04	82.5-157.5	0.3349E-04	45	0- 75	0.2440E-03	90-165	0.2170E-03
60-75.00	0.2715E-01	-7.5 TO 67.5	0.1808E-04	82.5-157.5	0.1458E-04	60	0- 75	0.1402E-03	90-165	0.1182E-03
75-85.90	0.2110E-01	-7.5 TO 67.5	0.2837E-05	82.5-157.5	0.1513E-05	75	0- 75	0.4244E-04	90-165	0.2869E-04
0-15.00	0.4603E-02	-7.5 TO 82.5	0.8243E-04	82.5-172.5	0.8036E-04	0	0- 90	0.5032E-03	90-180	0.5032E-03
15-30.00	0.1350E-01	-7.5 TO 82.5	0.7397E-04	82.5-172.5	0.6976E-04	15	0- 90	0.4814E-03	90-180	0.4630E-03
30-45.00	0.2147E-01	-7.5 TO 82.5	0.5790E-04	82.5-172.5	0.5270E-04	30	0- 90	0.4035E-03	90-180	0.3737E-03
45-60.00	0.2798E-01	-7.5 TO 82.5	0.3798E-04	82.5-172.5	0.3319E-04	45	0- 90	0.2902E-03	90-180	0.2587E-03
60-75.00	0.3258E-01	-7.5 TO 82.5	0.1782E-04	82.5-172.5	0.1437E-04	60	0- 90	0.1661E-03	90-180	0.1405E-03
75-85.90	0.2531E-01	-7.5 TO 82.5	0.2734E-05	82.5-172.5	0.1447E-05	75	0- 90	0.4958E-04	90-180	0.3363E-04
0-15.00	0.5370E-02	-7.5 TO 97.5	0.8227E-04	82.5-187.5	0.8025E-04	0	0-105	0.5870E-03	90-195	0.5870E-03
15-30.00	0.1574E-01	-7.5 TO 97.5	0.7362E-04	82.5-187.5	0.6955E-04	15	0-105	0.5597E-03	90-195	0.5393E-03
30-45.00	0.2505E-01	-7.5 TO 97.5	0.5747E-04	82.5-187.5	0.5244E-04	30	0-105	0.4677E-03	90-195	0.4346E-03
45-60.00	0.3264E-01	-7.5 TO 97.5	0.3798E-04	82.5-187.5	0.3296E-04	45	0-105	0.3354E-03	90-195	0.3004E-03
60-75.00	0.3801E-01	-7.5 TO 97.5	0.1753E-04	82.5-187.5	0.1420E-04	60	0-105	0.1911E-03	90-195	0.1628E-03
75-85.90	0.2953E-01	-7.5 TO 97.5	0.2621E-05	82.5-187.5	0.1396E-05	75	0-105	0.5618E-04	90-195	0.3856E-04

$r_2/r_1 = 0.50$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5536$ $\cosh \mu_2 = 6.8929$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 128.78$

0-15.00	0.7672E-03	-7.5 TO 7.5	0.1625E-03	82.5- 97.5	0.1577E-03	0	0- 15	0.1627E-03	90-105	0.1627E-03
15-30.00	0.2249E-02	-7.5 TO 7.5	0.1488E-03	82.5- 97.5	0.1390E-03	15	0- 15	0.1597E-03	90-105	0.1518E-03
30-45.00	0.3578E-02	-7.5 TO 7.5	0.1191E-03	82.5- 97.5	0.1068E-03	30	0- 15	0.1373E-03	90-105	0.1243E-03
45-60.00	0.4663E-02	-7.5 TO 7.5	0.7999E-04	82.5- 97.5	0.6856E-04	45	0- 15	0.1012E-03	90-105	0.8734E-04
60-75.00	0.5430E-02	-7.5 TO 7.5	0.3915E-04	82.5- 97.5	0.3086E-04	60	0- 15	0.5977E-04	90-105	0.4845E-04
75-85.90	0.4219E-02	-7.5 TO 7.5	0.7365E-05	82.5- 97.5	0.3850E-05	75	0- 15	0.1983E-04	90-105	0.1273E-04
0-15.00	0.1534E-02	-7.5 TO 22.5	0.1624E-03	82.5-112.5	0.1571E-03	0	0- 30	0.3254E-03	90-120	0.3254E-03
15-30.00	0.4498E-02	-7.5 TO 22.5	0.1486E-03	82.5-112.5	0.1377E-03	15	0- 30	0.3190E-03	90-120	0.3019E-03
30-45.00	0.7156E-02	-7.5 TO 22.5	0.1189E-03	82.5-112.5	0.1052E-03	30	0- 30	0.2737E-03	90-120	0.2458E-03
45-60.00	0.9326E-02	-7.5 TO 22.5	0.7979E-04	82.5-112.5	0.6718E-04	45	0- 30	0.2016E-03	90-120	0.1718E-03
60-75.00	0.1086E-01	-7.5 TO 22.5	0.3900E-04	82.5-112.5	0.2989E-04	60	0- 30	0.1188E-03	90-120	0.9457E-04
75-85.90	0.8438E-02	-7.5 TO 22.5	0.7285E-05	82.5-112.5	0.3493E-05	75	0- 30	0.3918E-04	90-120	0.2407E-04
0-15.00	0.2302E-02	-7.5 TO 37.5	0.1622E-03	82.5-127.5	0.1565E-03	0	0- 45	0.4882E-03	90-135	0.4882E-03
15-30.00	0.6748E-02	-7.5 TO 37.5	0.1482E-03	82.5-127.5	0.1366E-03	15	0- 45	0.4773E-03	90-135	0.4504E-03
30-45.00	0.1073E-01	-7.5 TO 37.5	0.1184E-03	82.5-127.5	0.1038E-03	30	0- 45	0.4086E-03	90-135	0.3648E-03
45-60.00	0.1399E-01	-7.5 TO 37.5	0.7932E-04	82.5-127.5	0.6588E-04	45	0- 45	0.3002E-03	90-135	0.2536E-03
60-75.00	0.1629E-01	-7.5 TO 37.5	0.3865E-04	82.5-127.5	0.2898E-04	60	0- 45	0.1765E-03	90-135	0.1387E-03
75-85.90	0.1266E-01	-7.5 TO 37.5	0.7106E-05	82.5-127.5	0.3186E-05	75	0- 45	0.5765E-04	90-135	0.3423E-04
0-15.00	0.3069E-02	-7.5 TO 52.5	0.1619E-03	82.5-142.5	0.1560E-03	0	0- 60	0.6509E-03	90-150	0.6509E-03
15-30.00	0.8997E-02	-7.5 TO 52.5	0.1477E-03	82.5-142.5	0.1355E-03	15	0- 60	0.6343E-03	90-150	0.5977E-03
30-45.00	0.1431E-01	-7.5 TO 52.5	0.1176E-03	82.5-142.5	0.1025E-03	30	0- 60	0.5413E-03	90-150	0.4818E-03
45-60.00	0.1865E-01	-7.5 TO 52.5	0.7862E-04	82.5-142.5	0.6471E-04	45	0- 60	0.3965E-03	90-150	0.3334E-03
60-75.00	0.2172E-01	-7.5 TO 52.5	0.3814E-04	82.5-142.5	0.2817E-04	60	0- 60	0.2322E-03	90-150	0.1812E-03
75-85.90	0.1688E-01	-7.5 TO 52.5	0.6850E-05	82.5-142.5	0.2932E-05	75	0- 60	0.7488E-04	90-150	0.4346E-04
0-15.00	0.3836E-02	-7.5 TO 67.5	0.1616E-03	82.5-157.5	0.1555E-03	0	0- 75	0.8136E-03	90-165	0.8136E-03
15-30.00	0.1125E-01	-7.5 TO 67.5	0.1469E-03	82.5-157.5	0.1346E-03	15	0- 75	0.7897E-03	90-165	0.7441E-03
30-45.00	0.1789E-01	-7.5 TO 67.5	0.1166E-03	82.5-157.5	0.1014E-03	30	0- 75	0.6715E-03	90-165	0.5975E-03
45-60.00	0.2331E-01	-7.5 TO 67.5	0.7772E-04	82.5-157.5	0.6370E-04	45	0- 75	0.4900E-03	90-165	0.4118E-03
60-75.00	0.2715E-01	-7.5 TO 67.5	0.3748E-04	82.5-157.5	0.2747E-04	60	0- 75	0.2856E-03	90-165	0.2226E-03
75-85.90	0.2110E-01	-7.5 TO 67.5	0.6953E-05	82.5-157.5	0.2722E-05	75	0- 75	0.9067E-04	90-165	0.5206E-04
0-15.00	0.4603E-02	-7.5 TO 82.5	0.1611E-03	82.5-172.5	0.1551E-03	0	0- 90	0.9763E-03	90-180	0.9763E-03
15-30.00	0.1350E-01	-7.5 TO 82.5	0.1460E-03	82.5-172.5	0.1338E-03	15	0- 90	0.9434E-03	90-180	0.8901E-03
30-45.00	0.2147E-01	-7.5 TO 82.5	0.1155E-03	82.5-172.5	0.1004E-03	30	0- 90	0.7987E-03	90-180	0.7124E-03
45-60.00	0.2798E-01	-7.5 TO 82.5	0.7666E-04	82.5-172.5	0.6286E-04	45	0- 90	0.5805E-03	90-180	0.4895E-03
60-75.00	0.3258E-01	-7.5 TO 82.5	0.3671E-04	82.5-172.5	0.2690E-04	60	0- 90	0.3366E-03	90-180	0.2634E-03
75-85.90	0.2531E-01	-7.5 TO 82.5	0.6230E-05	82.5-172.5	0.2553E-05	75	0- 90	0.1049E-03	90-180	0.6033E-04
0-15.00	0.5370E-02	-7.5 TO 97.5	0.1606E-03	82.5-187.5	0.1548E-03	0	0-105	0.1139E-02	90-195	0.1139E-02
15-30.00	0.1574E-01	-7.5 TO 97.5	0.1450E-03	82.5-187.5	0.1332E-03	15	0-105	0.1095E-02	90-195	0.1036E-02
30-45.00	0.2505E-01	-7.5 TO 97.5	0.1143E-03	82.5-187.5	0.9971E-04	30	0-105	0.9230E-03	90-195	0.8273E-03
45-60.00	0.3264E-01	-7.5 TO 97.5	0.7550E-04	82.5-187.5	0.6221E-04	45	0-105	0.6678E-03	90-195	0.5671E-03
60-75.00	0.3801E-01	-7.5 TO 97.5	0.3588E-04	82.5-187.5	0.2645E-04	60	0-105	0.3850E-03	90-195	0.3043E-03
75-85.90	0.2953E-01	-7.5 TO 97.5	0.5890E-05	82.5-187.5	0.2424E-05	75	0-105	0.1177E-03	90-195	0.6861E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5536$ $\cosh \mu_2 = 6.8929$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 112.50$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7672E-03	-7.5 TO 7.5	0.2371E-03	82.5- 97.5	0.2277E-03	0	0- 15	0.2350E-03	90-105	0.2350E-03
15-30.00	0.2249E-02	-7.5 TO 7.5	0.2200E-03	82.5- 97.5	0.2008E-03	15	0- 15	0.2342E-03	90-105	0.2189E-03
30-45.00	0.3578E-02	-7.5 TO 7.5	0.1785E-03	82.5- 97.5	0.1545E-03	30	0- 15	0.2043E-03	90-105	0.1790E-03
45-60.00	0.4663E-02	-7.5 TO 7.5	0.1216E-03	82.5- 97.5	0.9943E-04	45	0- 15	0.1528E-03	90-105	0.1258E-03
60-75.00	0.5430E-02	-7.5 TO 7.5	0.6079E-04	82.5- 97.5	0.4492E-04	60	0- 15	0.9166E-04	90-105	0.6983E-04
75-85.90	0.4219E-02	-7.5 TO 7.5	0.1262E-04	82.5- 97.5	0.9684E-05	75	0- 15	0.3170E-04	90-105	0.1837E-04
0-15.00	0.1534E-02	-7.5 TO 22.5	0.2369E-03	82.5-112.5	0.2266E-03	0	0- 30	0.4699E-03	90-120	0.4699E-03
15-30.00	0.4458E-02	-7.5 TO 22.5	0.2197E-03	82.5-112.5	0.1985E-03	15	0- 30	0.4675E-03	90-120	0.4344E-03
30-45.00	0.7156E-02	-7.5 TO 22.5	0.1781E-03	82.5-112.5	0.1516E-03	30	0- 30	0.4070E-03	90-120	0.3527E-03
45-60.00	0.9326E-02	-7.5 TO 22.5	0.1212E-03	82.5-112.5	0.9680E-04	45	0- 30	0.3038E-03	90-120	0.2460E-03
60-75.00	0.1086E-01	-7.5 TO 22.5	0.6049E-04	82.5-112.5	0.4311E-04	60	0- 30	0.1819E-03	90-120	0.1353E-03
75-85.90	0.8438E-02	-7.5 TO 22.5	0.1246E-04	82.5-112.5	0.5053E-05	75	0- 30	0.6249E-04	90-120	0.3425E-04
0-15.00	0.2302E-02	-7.5 TO 37.5	0.2366E-03	82.5-127.5	0.2254E-03	0	0- 45	0.7049E-03	90-135	0.7049E-03
15-30.00	0.6748E-02	-7.5 TO 37.5	0.2189E-03	82.5-127.5	0.1962E-03	15	0- 45	0.6990E-03	90-135	0.6469E-03
30-45.00	0.1073E-01	-7.5 TO 37.5	0.1771E-03	82.5-127.5	0.1489E-03	30	0- 45	0.6060E-03	90-135	0.5216E-03
45-60.00	0.1399E-01	-7.5 TO 37.5	0.1203E-03	82.5-127.5	0.9436E-04	45	0- 45	0.4515E-03	90-135	0.3614E-03
60-75.00	0.1629E-01	-7.5 TO 37.5	0.5982E-04	82.5-127.5	0.4145E-04	60	0- 45	0.2694E-03	90-135	0.1970E-03
75-85.90	0.1266E-01	-7.5 TO 37.5	0.1210E-04	82.5-127.5	0.4524E-05	75	0- 45	0.9156E-04	90-135	0.4805E-04
0-15.00	0.3069E-02	-7.5 TO 52.5	0.2360E-03	82.5-142.5	0.2244E-03	0	0- 60	0.9398E-03	90-150	0.9398E-03
15-30.00	0.8557E-02	-7.5 TO 52.5	0.2178E-03	82.5-142.5	0.1942E-03	15	0- 60	0.9279E-03	90-150	0.8570E-03
30-45.00	0.1431E-01	-7.5 TO 52.5	0.1756E-03	82.5-142.5	0.1464E-03	30	0- 60	0.8020E-03	90-150	0.6867E-03
45-60.00	0.1865E-01	-7.5 TO 52.5	0.1189E-03	82.5-142.5	0.9216E-04	45	0- 60	0.5947E-03	90-150	0.4730E-03
60-75.00	0.2172E-01	-7.5 TO 52.5	0.5882E-04	82.5-142.5	0.3997E-04	60	0- 60	0.3531E-03	90-150	0.2559E-03
75-85.90	0.1688E-01	-7.5 TO 52.5	0.1158E-04	82.5-142.5	0.4091E-05	75	0- 60	0.1183E-03	90-150	0.6025E-04
0-15.00	0.3836E-02	-7.5 TO 67.5	0.2353E-03	82.5-157.5	0.2235E-03	0	0- 75	0.1175E-02	90-165	0.1175E-02
15-30.00	0.1125E-01	-7.5 TO 67.5	0.2163E-03	82.5-157.5	0.1924E-03	15	0- 75	0.1156E-02	90-165	0.1065E-02
30-45.00	0.1789E-01	-7.5 TO 67.5	0.1737E-03	82.5-157.5	0.1442E-03	30	0- 75	0.9923E-03	90-165	0.8492E-03
45-60.00	0.2331E-01	-7.5 TO 67.5	0.1172E-03	82.5-157.5	0.9026E-04	45	0- 75	0.7324E-03	90-165	0.5818E-03
60-75.00	0.2715E-01	-7.5 TO 67.5	0.5755E-04	82.5-157.5	0.3870E-04	60	0- 75	0.4324E-03	90-165	0.3126E-03
75-85.90	0.2110E-01	-7.5 TO 67.5	0.1097E-04	82.5-157.5	0.3735E-05	75	0- 75	0.1423E-03	90-165	0.7139E-04
0-15.00	0.4603E-02	-7.5 TO 82.5	0.2344E-03	82.5-172.5	0.2227E-03	0	0- 90	0.1410E-02	90-180	0.1410E-02
15-30.00	0.1350E-01	-7.5 TO 82.5	0.2145E-03	82.5-172.5	0.1909E-03	15	0- 90	0.1376E-02	90-180	0.1273E-02
30-45.00	0.2147E-01	-7.5 TO 82.5	0.1715E-03	82.5-172.5	0.1424E-03	30	0- 90	0.1177E-02	90-180	0.1010E-02
45-60.00	0.2798E-01	-7.5 TO 82.5	0.1151E-03	82.5-172.5	0.8869E-04	45	0- 90	0.8641E-03	90-180	0.6893E-03
60-75.00	0.3258E-01	-7.5 TO 82.5	0.5608E-04	82.5-172.5	0.3766E-04	60	0- 90	0.5070E-03	90-180	0.3684E-03
75-85.90	0.2531E-01	-7.5 TO 82.5	0.1032E-04	82.5-172.5	0.3450E-05	75	0- 90	0.1634E-03	90-180	0.8198E-04
0-15.00	0.5370E-02	-7.5 TO 97.5	0.2335E-03	82.5-187.5	0.2222E-03	0	0-105	0.1645E-02	90-195	0.1645E-02
15-30.00	0.1574E-01	-7.5 TO 97.5	0.2125E-03	82.5-187.5	0.1897E-03	15	0-105	0.1595E-02	90-195	0.1480E-02
30-45.00	0.2505E-01	-7.5 TO 97.5	0.1691E-03	82.5-187.5	0.1411E-03	30	0-105	0.1356E-02	90-195	0.1171E-02
45-60.00	0.3264E-01	-7.5 TO 97.5	0.1129E-03	82.5-187.5	0.8748E-04	45	0-105	0.9899E-03	90-195	0.7968E-03
60-75.00	0.3801E-01	-7.5 TO 97.5	0.5448E-04	82.5-187.5	0.3686E-04	60	0-105	0.5768E-03	90-195	0.4242E-03
75-85.90	0.2953E-01	-7.5 TO 97.5	0.9655E-05	82.5-187.5	0.3233E-05	75	0-105	0.1818E-03	90-195	0.9257E-04

$r_2/r_1 = 0.50$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5536$ $\cosh \mu_2 = 6.8929$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 96.79$

0-15.00	0.7672E-03	-7.5 TO 7.5	0.2859E-03	82.5- 97.5	0.2715E-03	0	0- 15	0.2801E-03	90-105	0.2801E-03
15-30.00	0.2249E-02	-7.5 TO 7.5	0.2690E-03	82.5- 97.5	0.2396E-03	15	0- 15	0.2840E-03	90-105	0.2604E-03
30-45.00	0.3578E-02	-7.5 TO 7.5	0.2214E-03	82.5- 97.5	0.1846E-03	30	0- 15	0.2515E-03	90-105	0.2128E-03
45-60.00	0.4663E-02	-7.5 TO 7.5	0.1528E-03	82.5- 97.5	0.1190E-03	45	0- 15	0.1907E-03	90-105	0.1495E-03
60-75.00	0.5430E-02	-7.5 TO 7.5	0.7759E-04	82.5- 97.5	0.5395E-04	60	0- 15	0.1159E-03	90-105	0.8306E-04
75-85.90	0.4219E-02	-7.5 TO 7.5	0.1711E-04	82.5- 97.5	0.6907E-05	75	0- 15	0.4123E-04	90-105	0.2191E-04
0-15.00	0.1534E-02	-7.5 TO 22.5	0.2856E-03	82.5-112.5	0.2697E-03	0	0- 30	0.5602E-03	90-120	0.5602E-03
15-30.00	0.4458E-02	-7.5 TO 22.5	0.2685E-03	82.5-112.5	0.2360E-03	15	0- 30	0.5665E-03	90-120	0.5157E-03
30-45.00	0.7156E-02	-7.5 TO 22.5	0.2207E-03	82.5-112.5	0.1802E-03	30	0- 30	0.5005E-03	90-120	0.4174E-03
45-60.00	0.9326E-02	-7.5 TO 22.5	0.1522E-03	82.5-112.5	0.1151E-03	45	0- 30	0.3787E-03	90-120	0.2907E-03
60-75.00	0.1086E-01	-7.5 TO 22.5	0.7714E-04	82.5-112.5	0.5135E-04	60	0- 30	0.2297E-03	90-120	0.1597E-03
75-85.90	0.8438E-02	-7.5 TO 22.5	0.1687E-04	82.5-112.5	0.6055E-05	75	0- 30	0.8109E-04	90-120	0.4040E-04
0-15.00	0.2302E-02	-7.5 TO 37.5	0.2850E-03	82.5-127.5	0.2680E-03	0	0- 45	0.8403E-03	90-135	0.8403E-03
15-30.00	0.6748E-02	-7.5 TO 37.5	0.2673E-03	82.5-127.5	0.2326E-03	15	0- 45	0.8463E-03	90-135	0.7665E-03
30-45.00	0.1073E-01	-7.5 TO 37.5	0.2192E-03	82.5-127.5	0.1761E-03	30	0- 45	0.7449E-03	90-135	0.6149E-03
45-60.00	0.1399E-01	-7.5 TO 37.5	0.1507E-03	82.5-127.5	0.1115E-03	45	0- 45	0.5616E-03	90-135	0.4266E-03
60-75.00	0.1629E-01	-7.5 TO 37.5	0.7612E-04	82.5-127.5	0.4897E-04	60	0- 45	0.3393E-03	90-135	0.2310E-03
75-85.90	0.1266E-01	-7.5 TO 37.5	0.1633E-04	82.5-127.5	0.5354E-05	75	0- 45	0.1184E-03	90-135	0.5610E-04
0-15.00	0.3069E-02	-7.5 TO 52.5	0.2842E-03	82.5-142.5	0.2664E-03	0	0- 60	0.1120E-02	90-150	0.1120E-02
15-30.00	0.8557E-02	-7.5 TO 52.5	0.2656E-03	82.5-142.5	0.2295E-03	15	0- 60	0.1122E-02	90-150	0.1014E-02
30-45.00	0.1431E-01	-7.5 TO 52.5	0.2169E-03	82.5-142.5	0.1723E-03	30	0- 60	0.9828E-03	90-150	0.8067E-03
45-60.00	0.1865E-01	-7.5 TO 52.5	0.1486E-03	82.5-142.5	0.1082E-03	45	0- 60	0.7375E-03	90-150	0.5528E-03
60-75.00	0.2172E-01	-7.5 TO 52.5	0.7460E-04	82.5-142.5	0.4688E-04	60	0- 60	0.4431E-03	90-150	0.2980E-03
75-85.90	0.1688E-01	-7.5 TO 52.5	0.1556E-04	82.5-142.5	0.4786E-05	75	0- 60	0.1523E-03	90-150	0.6971E-04
0-15.00	0.3836E-02	-7.5 TO 67.5	0.2831E-03	82.5-157.5	0.2651E-03	0	0- 75	0.1401E-02	90-165	0.1401E-02
15-30.00	0.1125E-01	-7.5 TO 67.5	0.2633E-03	82.5-157.5	0.2268E-03	15	0- 75	0.1395E-02	90-165	0.1258E-02
30-45.00	0.1789E-01	-7.5 TO 67.5	0.2140E-03	82.5-157.5	0.1691E-03	30	0- 75	0.1213E-02	90-165	0.9945E-03
45-60.00	0.2331E-01	-7.5 TO 67.5	0.1459E-03	82.5-157.5	0.1054E-03	45	0- 75	0.9050E-03	90-165	0.6771E-03
60-75.00	0.2715E-01	-7.5 TO 67.5	0.7269E-04	82.5-157.5	0.4509E-04	60	0- 75	0.5403E-03	90-165	0.3622E-03
75-85.90	0.2110E-01	-7.5 TO 67.5	0.1464E-04	82.5-157.5	0.4326E-05	75	0- 75	0.1821E-03	90-165	0.8195E-04
0-15.00	0.4603E-02	-7.5 TO 82.5	0.2818E-03	82.5-172.5	0.2639E-03	0	0- 90	0.1681E-02	90-180	0.1681E-02
15-30.00	0.1350E-01	-7.5 TO 82.5	0.2606E-03	82.5-172.5	0.2245E-03	15	0- 90	0.1659E-02	90-180	0.1501E-02
30-45.00	0.2147E-01	-7.5 TO 82.5	0.2106E-03	82.5-172.5	0.1664E-03	30	0- 90	0.1434E-02	90-180	0.1180E-02
45-60.00	0.2798E-01	-7.5 TO 82.5	0.1428E-03	82.5-172.5	0.1031E-03	45	0- 90	0.1063E-02	90-180	0.7993E-03
60-75.00	0.3258E-01	-7.5 TO 82.5	0.7050E-04	82.5-172.5	0.4363E-04	60	0- 90	0.6303E-03	90-180	0.4249E-03
75-85.90	0.2531E-01	-7.5 TO 82.5	0.1367E-04	82.5-172.5	0.3960E-05	75	0- 90	0.2079E-03	90-180	0.9350E-04
0-15.00	0.5370E-02	-7.5 TO 97.5	0.2803E-03	82.5-187.5	0.2630E-03	0	0-105	0.1961E-02	90-195	0.1961E-02
15-30.00	0.1574E-01	-7.5 TO 97.5	0.2576E-03	82.5-187.5	0.2228E-03	15	0-105	0.1919E-02	90-195	0.1744E-02
30-45.00	0.2505E-01	-7.5 TO 97.5	0.2069E-03	82.5-187.5	0.1644E-03	30	0-105	0.1647E-02	90-195	0.1366E-02
45-60.00	0.3264E-01	-7.5 TO 97.5	0.1394E-03	82.5-187.5	0.1014E-03	45	0-105	0.1213E-02	90-195	0.9215E-03
60-75.00	0.3801E-01	-7.5 TO 97.5	0.6813E-04	82.5-187.5	0.4252E-04	60	0-105	0.7134E-03	90-195	0.4876E-03
75-85.90	0.2953E-01	-7.5 TO 97.5	0.1270E-04	82.5-187.5	0.3682E-05	75	0-105	0.2298E-03	90-195	0.1051E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5536$ $\cosh \mu_2 = 6.8929$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 81.66$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
15-30.00	0.2249E-02	-7.5 TO 7.5	0.2847E-03	82.5- 97.5	0.2477E-03	15	0- 15	0.2978E-03	90-105	0.2686E-03
30-45.00	0.3578E-02	-7.5 TO 7.5	0.2377E-03	82.5- 97.5	0.1910E-03	30	0- 15	0.2680E-03	90-105	0.2192E-03
45-60.00	0.4663E-02	-7.5 TO 7.5	0.1661E-03	82.5- 97.5	0.1233E-03	45	0- 15	0.2061E-03	90-105	0.1540E-03
60-75.00	0.5430E-02	-7.5 TO 7.5	0.8927E-04	82.5- 97.5	0.5596E-04	60	0- 15	0.1267E-03	90-105	0.8557E-04
75-85.90	0.4219E-02	-7.5 TO 7.5	0.1930E-04	82.5- 97.5	0.7194E-05	75	0- 15	0.4572E-04	90-105	0.2260E-04
0-15.00	0.1534E-02	-7.5 TO 22.5	0.2979E-03	82.5-112.5	0.2783E-03	0	0- 30	0.5787E-03	90-120	0.5787E-03
15-30.00	0.4458E-02	-7.5 TO 22.5	0.2840E-03	82.5-112.5	0.2433E-03	15	0- 30	0.5938E-03	90-120	0.5310E-03
30-45.00	0.7156E-02	-7.5 TO 22.5	0.2368E-03	82.5-112.5	0.1857E-03	30	0- 30	0.5328E-03	90-120	0.4288E-03
45-60.00	0.9326E-02	-7.5 TO 22.5	0.1653E-03	82.5-112.5	0.1186E-03	45	0- 30	0.4088E-03	90-120	0.2982E-03
60-75.00	0.1086E-01	-7.5 TO 22.5	0.8469E-04	82.5-112.5	0.5296E-04	60	0- 30	0.2506E-03	90-120	0.1638E-03
75-85.90	0.8438E-02	-7.5 TO 22.5	0.1901E-04	82.5-112.5	0.6265E-05	75	0- 30	0.8979E-04	90-120	0.4145E-04
0-15.00	0.2302E-02	-7.5 TO 37.5	0.2972E-03	82.5-127.5	0.2763E-03	0	0- 45	0.8681E-03	90-135	0.8681E-03
15-30.00	0.6748E-02	-7.5 TO 37.5	0.2825E-03	82.5-127.5	0.2392E-03	15	0- 45	0.8862E-03	90-135	0.7880E-03
30-45.00	0.1073E-01	-7.5 TO 37.5	0.2348E-03	82.5-127.5	0.1808E-03	30	0- 45	0.7915E-03	90-135	0.6300E-03
45-60.00	0.1399E-01	-7.5 TO 37.5	0.1634E-03	82.5-127.5	0.1144E-03	45	0- 45	0.6065E-03	90-135	0.4341E-03
60-75.00	0.1629E-01	-7.5 TO 37.5	0.8339E-04	82.5-127.5	0.5028E-04	60	0- 45	0.3691E-03	90-135	0.2359E-03
75-85.90	0.1266E-01	-7.5 TO 37.5	0.1836E-04	82.5-127.5	0.5513E-05	75	0- 45	0.1306E-03	90-135	0.5732E-04
0-15.00	0.3069E-02	-7.5 TO 52.5	0.2962E-03	82.5-142.5	0.2744E-03	0	0- 60	0.1157E-02	90-150	0.1157E-02
15-30.00	0.8997E-02	-7.5 TO 52.5	0.2802E-03	82.5-142.5	0.2356E-03	15	0- 60	0.1174E-02	90-150	0.1041E-02
30-45.00	0.1431E-01	-7.5 TO 52.5	0.2319E-03	82.5-142.5	0.1765E-03	30	0- 60	0.1042E-02	90-150	0.8247E-03
45-60.00	0.1865E-01	-7.5 TO 52.5	0.1607E-03	82.5-142.5	0.1107E-03	45	0- 60	0.7913E-03	90-150	0.5636E-03
60-75.00	0.2172E-01	-7.5 TO 52.5	0.8147E-04	82.5-142.5	0.4795E-04	60	0- 60	0.4803E-03	90-150	0.3034E-03
75-85.90	0.1688E-01	-7.5 TO 52.5	0.1742E-04	82.5-142.5	0.4911E-05	75	0- 60	0.1672E-03	90-150	0.7101E-04
0-15.00	0.3836E-02	-7.5 TO 67.5	0.2948E-03	82.5-157.5	0.2727E-03	0	0- 75	0.1447E-02	90-165	0.1447E-02
15-30.00	0.1125E-01	-7.5 TO 67.5	0.2772E-03	82.5-157.5	0.2324E-03	15	0- 75	0.1455E-02	90-165	0.1290E-02
30-45.00	0.1789E-01	-7.5 TO 67.5	0.2281E-03	82.5-157.5	0.1727E-03	30	0- 75	0.1282E-02	90-165	0.1015E-02
45-60.00	0.2331E-01	-7.5 TO 67.5	0.1572E-03	82.5-157.5	0.1075E-03	45	0- 75	0.9674E-03	90-165	0.6887E-03
60-75.00	0.2715E-01	-7.5 TO 67.5	0.7905E-04	82.5-157.5	0.4599E-04	60	0- 75	0.5829E-03	90-165	0.3679E-03
75-85.90	0.2110E-01	-7.5 TO 67.5	0.1631E-04	82.5-157.5	0.4427E-05	75	0- 75	0.1990E-03	90-165	0.8328E-04
0-15.00	0.4603E-02	-7.5 TO 82.5	0.2931E-03	82.5-172.5	0.2714E-03	0	0- 90	0.1736E-02	90-180	0.1736E-02
15-30.00	0.1350E-01	-7.5 TO 82.5	0.2738E-03	82.5-172.5	0.2297E-03	15	0- 90	0.1730E-02	90-180	0.1538E-02
30-45.00	0.2147E-01	-7.5 TO 82.5	0.2238E-03	82.5-172.5	0.1697E-03	30	0- 90	0.1512E-02	90-180	0.1203E-02
45-60.00	0.2798E-01	-7.5 TO 82.5	0.1532E-03	82.5-172.5	0.1050E-03	45	0- 90	0.1132E-02	90-180	0.8117E-03
60-75.00	0.3258E-01	-7.5 TO 82.5	0.7631E-04	82.5-172.5	0.4440E-04	60	0- 90	0.6768E-03	90-180	0.4308E-03
75-85.90	0.2531E-01	-7.5 TO 82.5	0.1515E-04	82.5-172.5	0.4045E-05	75	0- 90	0.2260E-03	90-180	0.9485E-04
0-15.00	0.5370E-02	-7.5 TO 97.5	0.2913E-03	82.5-187.5	0.2703E-03	0	0-105	0.2025E-02	90-195	0.2025E-02
15-30.00	0.1574E-01	-7.5 TO 97.5	0.2701E-03	82.5-187.5	0.2277E-03	15	0-105	0.1999E-02	90-195	0.1787E-02
30-45.00	0.2505E-01	-7.5 TO 97.5	0.2191E-03	82.5-187.5	0.1674E-03	30	0-105	0.1731E-02	90-195	0.1391E-02
45-60.00	0.3264E-01	-7.5 TO 97.5	0.1489E-03	82.5-187.5	0.1030E-03	45	0-105	0.1286E-02	90-195	0.9347E-03
60-75.00	0.3801E-01	-7.5 TO 97.5	0.7340E-04	82.5-187.5	0.4319E-04	60	0-105	0.7624E-03	90-195	0.4937E-03
75-85.90	0.2953E-01	-7.5 TO 97.5	0.1401E-04	82.5-187.5	0.3755E-05	75	0-105	0.2486E-03	90-195	0.1064E-03

$r_2/r_1 = 0.50$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5536$ $\cosh \mu_2 = 6.8929$ $\alpha_{2,max} = 94.10$ $\theta_{2,min} = 77.63$

0-15.00	0.7672E-03	-7.5 TO 7.5	0.2983E-03	82.5- 97.5	0.2805E-03	0	0- 15	0.2894E-03	90-105	0.2894E-03
15-30.00	0.2249E-02	-7.5 TO 7.5	0.2847E-03	82.5- 97.5	0.2477E-03	15	0- 15	0.2978E-03	90-105	0.2686E-03
30-45.00	0.3578E-02	-7.5 TO 7.5	0.2378E-03	82.5- 97.5	0.1910E-03	30	0- 15	0.2680E-03	90-105	0.2192E-03
45-60.00	0.4663E-02	-7.5 TO 7.5	0.1664E-03	82.5- 97.5	0.1233E-03	45	0- 15	0.2062E-03	90-105	0.1540E-03
60-75.00	0.5430E-02	-7.5 TO 7.5	0.8956E-04	82.5- 97.5	0.5596E-04	60	0- 15	0.1271E-03	90-105	0.8557E-04
75-85.90	0.4219E-02	-7.5 TO 7.5	0.1940E-04	82.5- 97.5	0.7194E-05	75	0- 15	0.4592E-04	90-105	0.2260E-04
0-15.00	0.1534E-02	-7.5 TO 22.5	0.2979E-03	82.5-112.5	0.2783E-03	0	0- 30	0.5787E-03	90-120	0.5787E-03
15-30.00	0.4458E-02	-7.5 TO 22.5	0.2840E-03	82.5-112.5	0.2433E-03	15	0- 30	0.5938E-03	90-120	0.5310E-03
30-45.00	0.7156E-02	-7.5 TO 22.5	0.2369E-03	82.5-112.5	0.1857E-03	30	0- 30	0.5328E-03	90-120	0.4288E-03
45-60.00	0.9326E-02	-7.5 TO 22.5	0.1655E-03	82.5-112.5	0.1186E-03	45	0- 30	0.4089E-03	90-120	0.2982E-03
60-75.00	0.1086E-01	-7.5 TO 22.5	0.8496E-04	82.5-112.5	0.5296E-04	60	0- 30	0.2512E-03	90-120	0.1638E-03
75-85.90	0.8438E-02	-7.5 TO 22.5	0.1910E-04	82.5-112.5	0.6265E-05	75	0- 30	0.9008E-04	90-120	0.4145E-04
0-15.00	0.2302E-02	-7.5 TO 37.5	0.2972E-03	82.5-127.5	0.2763E-03	0	0- 45	0.8681E-03	90-135	0.8681E-03
15-30.00	0.6748E-02	-7.5 TO 37.5	0.2825E-03	82.5-127.5	0.2392E-03	15	0- 45	0.8862E-03	90-135	0.7880E-03
30-45.00	0.1073E-01	-7.5 TO 37.5	0.2349E-03	82.5-127.5	0.1808E-03	30	0- 45	0.7915E-03	90-135	0.6300E-03
45-60.00	0.1399E-01	-7.5 TO 37.5	0.1636E-03	82.5-127.5	0.1144E-03	45	0- 45	0.6048E-03	90-135	0.4341E-03
60-75.00	0.1629E-01	-7.5 TO 37.5	0.8362E-04	82.5-127.5	0.5028E-04	60	0- 45	0.3697E-03	90-135	0.2359E-03
75-85.90	0.1266E-01	-7.5 TO 37.5	0.1844E-04	82.5-127.5	0.5513E-05	75	0- 45	0.1310E-03	90-135	0.5732E-04
0-15.00	0.3069E-02	-7.5 TO 52.5	0.2962E-03	82.5-142.5	0.2744E-03	0	0- 60	0.1157E-02	90-150	0.1157E-02
15-30.00	0.8997E-02	-7.5 TO 52.5	0.2802E-03	82.5-142.5	0.2356E-03	15	0- 60	0.1174E-02	90-150	0.1041E-02
30-45.00	0.1431E-01	-7.5 TO 52.5	0.2319E-03	82.5-142.5	0.1765E-03	30	0- 60	0.1042E-02	90-150	0.8247E-03
45-60.00	0.1865E-01	-7.5 TO 52.5	0.1608E-03	82.5-142.5	0.1107E-03	45	0- 60	0.7916E-03	90-150	0.5636E-03
60-75.00	0.2172E-01	-7.5 TO 52.5	0.8165E-04	82.5-142.5	0.4795E-04	60	0- 60	0.4809E-03	90-150	0.3034E-03
75-85.90	0.1688E-01	-7.5 TO 52.5	0.1749E-04	82.5-142.5	0.4911E-05	75	0- 60	0.1676E-03	90-150	0.7101E-04
0-15.00	0.3836E-02	-7.5 TO 67.5	0.2948E-03	82.5-157.5	0.2727E-03	0	0- 75	0.1447E-02	90-165	0.1447E-02
15-30.00	0.1125E-01	-7.5 TO 67.5	0.2772E-03	82.5-157.5	0.2324E-03	15	0- 75	0.1455E-02	90-165	0.1290E-02
30-45.00	0.1789E-01	-7.5 TO 67.5	0.2282E-03	82.5-157.5	0.1727E-03	30	0- 75	0.1282E-02	90-165	0.1015E-02
45-60.00	0.2331E-01	-7.5 TO 67.5	0.1573E-03	82.5-157.5	0.1075E-03	45	0- 75	0.9677E-03	90-165	0.6887E-03
60-75.00	0.2715E-01	-7.5 TO 67.5	0.7920E-04	82.5-157.5	0.4599E-04	60	0- 75	0.5836E-03	90-165	0.3679E-03
75-85.90	0.2110E-01	-7.5 TO 67.5	0.1636E-04	82.5-157.5	0.4427E-05	75	0- 75	0.1994E-03	90-165	0.8328E-04
0-15.00	0.4603E-02	-7.5 TO 82.5	0.2931E-03	82.5-172.5	0.2714E-03	0	0- 90	0.1736E-02	90-180	0.1736E-02
15-30.00	0.1350E-01	-7.5 TO 82.5	0.2738E-03	82.5-172.5	0.2297E-03	15	0- 90	0.1730E-02	90-180	0.1538E-02
30-45.00	0.2147E-01	-7.5 TO 82.5	0.2238E-03	82.5-172.5	0.1697E-03	30	0- 90	0.1512E-02	90-180	0.1203E-02
45-60.00	0.2798E-01	-7.5 TO 82.5	0.1533E-03	82.5-172.5	0.1050E-03	45	0- 90	0.1133E-02	90-180	0.8117E-03
60-75.00	0.3258E-01	-7.5 TO 82.5	0.7643E-04	82.5-172.5	0.4440E-04	60	0- 90	0.6775E-03	90-180	0.4308E-03
75-85.90	0.2531E-01	-7.5 TO 82.5	0.1519E-04	82.5-172.5	0.4045E-05	75	0- 90	0.2264E-03	90-180	0.9485E-04
0-15.00	0.5370E-02	-7.5 TO 97.5	0.2913E-03	82.5-187.5	0.2703E-03	0	0-105	0.2025E-02	90-195	0.2025E-02
15-30.00	0.1574E-01	-7.5 TO 97.5	0.2701E-03	82.5-187.5	0.2277E-03	15	0-105	0.1999E-02	90-195	0.1787E-02
30-45.00	0.2505E-01	-7.5 TO 97.5	0.2191E-03	82.5-187.5	0.1674E-03	30	0-105	0.1731E-02	90-195	0.1391E-02
45-60.00	0.3264E-01	-7.5 TO 97.5	0.1490E-03	82.5-187.5	0.1030E-03	45	0-105	0.1287E-02	90-195	0.9347E-03
60-75.00	0.3801E-01	-7.5 TO 97.5	0.7350E-04	82.5-187.5	0.4319E-04	60	0-105	0.7630E-03	90-195	0.4937E-03
75-85.90	0.2953E-01	-7.5 TO 97.5	0.1405E-04	82.5-187.5	0.3755E-05	75	0-105	0.2490E-03	90-195	0.1064E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0375$ $\cosh \mu_2 = 9.9250$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 163.43$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3666E-03	-7.5 TO 7.5	0.9427E-05	82.5- 97.5	0.9369E-05	0	0- 15	0.9617E-05	90-105	0.9617E-05
15-30.00	0.1073E-02	-7.5 TO 7.5	0.8549E-05	82.5- 97.5	0.8429E-05	15	0- 15	0.9208E-05	90-105	0.9113E-05
30-45.00	0.1767E-02	-7.5 TO 7.5	0.6898E-05	82.5- 97.5	0.6741E-05	30	0- 15	0.7893E-05	90-105	0.7733E-05
45-60.00	0.2224E-02	-7.5 TO 7.5	0.4768E-05	82.5- 97.5	0.4613E-05	45	0- 15	0.5931E-05	90-105	0.5749E-05
60-75.00	0.2590E-02	-7.5 TO 7.5	0.2477E-05	82.5- 97.5	0.2354E-05	60	0- 15	0.3653E-05	90-105	0.3492E-05
75-87.13	0.2243E-02	-7.5 TO 7.5	0.5112E-06	82.5- 97.5	0.4396E-06	75	0- 15	0.1358E-05	90-105	0.1245E-05
0-15.00	0.7319E-03	-7.5 TO 22.5	0.9426E-05	82.5-112.5	0.9362E-05	0	0- 30	0.1923E-04	90-120	0.1923E-04
15-30.00	0.2146E-02	-7.5 TO 22.5	0.8547E-05	82.5-112.5	0.8413E-05	15	0- 30	0.1841E-04	90-120	0.1820E-04
30-45.00	0.3414E-02	-7.5 TO 22.5	0.6895E-05	82.5-112.5	0.6721E-05	30	0- 30	0.1578E-04	90-120	0.1543E-04
45-60.00	0.4449E-02	-7.5 TO 22.5	0.4769E-05	82.5-112.5	0.4593E-05	45	0- 30	0.1185E-04	90-120	0.1146E-04
60-75.00	0.5181E-02	-7.5 TO 22.5	0.2475E-05	82.5-112.5	0.2338E-05	60	0- 30	0.7296E-05	90-120	0.6949E-05
75-87.13	0.4485E-02	-7.5 TO 22.5	0.5099E-06	82.5-112.5	0.4331E-06	75	0- 30	0.2710E-05	90-120	0.2465E-05
0-15.00	0.1098E-02	-7.5 TO 37.5	0.9424E-05	82.5-127.5	0.9355E-05	0	0- 45	0.2885E-04	90-135	0.2885E-04
15-30.00	0.3219E-02	-7.5 TO 37.5	0.8542E-05	82.5-127.5	0.8399E-05	15	0- 45	0.2760E-04	90-135	0.2728E-04
30-45.00	0.5120E-02	-7.5 TO 37.5	0.6889E-05	82.5-127.5	0.6702E-05	30	0- 45	0.2364E-04	90-135	0.2309E-04
45-60.00	0.6673E-02	-7.5 TO 37.5	0.4759E-05	82.5-127.5	0.4574E-05	45	0- 45	0.1773E-04	90-135	0.1713E-04
60-75.00	0.7771E-02	-7.5 TO 37.5	0.2470E-05	82.5-127.5	0.2323E-05	60	0- 45	0.1092E-04	90-135	0.1037E-04
75-87.13	0.6728E-02	-7.5 TO 37.5	0.5069E-06	82.5-127.5	0.4269E-06	75	0- 45	0.4048E-05	90-135	0.3663E-05
0-15.00	0.1464E-02	-7.5 TO 52.5	0.9420E-05	82.5-142.5	0.9348E-05	0	0- 60	0.3847E-04	90-150	0.3847E-04
15-30.00	0.4292E-02	-7.5 TO 52.5	0.8535E-05	82.5-142.5	0.8385E-05	15	0- 60	0.3678E-04	90-150	0.3633E-04
30-45.00	0.6827E-02	-7.5 TO 52.5	0.6880E-05	82.5-142.5	0.6685E-05	30	0- 60	0.3148E-04	90-150	0.3073E-04
45-60.00	0.8857E-02	-7.5 TO 52.5	0.4750E-05	82.5-142.5	0.4557E-05	45	0- 60	0.2362E-04	90-150	0.2278E-04
60-75.00	0.1036E-01	-7.5 TO 52.5	0.2462E-05	82.5-142.5	0.2310E-05	60	0- 60	0.1452E-04	90-150	0.1377E-04
75-87.13	0.8971E-02	-7.5 TO 52.5	0.5024E-06	82.5-142.5	0.4213E-06	75	0- 60	0.5367E-05	90-150	0.4844E-05
0-15.00	0.1830E-02	-7.5 TO 67.5	0.9416E-05	82.5-157.5	0.9343E-05	0	0- 75	0.4809E-04	90-165	0.4809E-04
15-30.00	0.5365E-02	-7.5 TO 67.5	0.8526E-05	82.5-157.5	0.8373E-05	15	0- 75	0.4593E-04	90-165	0.4538E-04
30-45.00	0.8534E-02	-7.5 TO 67.5	0.6867E-05	82.5-157.5	0.6669E-05	30	0- 75	0.3929E-04	90-165	0.3835E-04
45-60.00	0.1112E-01	-7.5 TO 67.5	0.4738E-05	82.5-157.5	0.4542E-05	45	0- 75	0.2945E-04	90-165	0.2840E-04
60-75.00	0.1295E-01	-7.5 TO 67.5	0.2453E-05	82.5-157.5	0.2298E-05	60	0- 75	0.1808E-04	90-165	0.1715E-04
75-87.13	0.1121E-01	-7.5 TO 67.5	0.4965E-06	82.5-157.5	0.4163E-06	75	0- 75	0.6664E-05	90-165	0.6012E-05
0-15.00	0.2196E-02	-7.5 TO 82.5	0.9411E-05	82.5-172.5	0.9338E-05	0	0- 90	0.5770E-04	90-180	0.5770E-04
15-30.00	0.6438E-02	-7.5 TO 82.5	0.8515E-05	82.5-172.5	0.8363E-05	15	0- 90	0.5507E-04	90-180	0.5442E-04
30-45.00	0.1024E-01	-7.5 TO 82.5	0.6853E-05	82.5-172.5	0.6656E-05	30	0- 90	0.4706E-04	90-180	0.4596E-04
45-60.00	0.1335E-01	-7.5 TO 82.5	0.4723E-05	82.5-172.5	0.4529E-05	45	0- 90	0.3524E-04	90-180	0.3431E-04
60-75.00	0.1554E-01	-7.5 TO 82.5	0.2442E-05	82.5-172.5	0.2288E-05	60	0- 90	0.2161E-04	90-180	0.2053E-04
75-87.13	0.1346E-01	-7.5 TO 82.5	0.4896E-06	82.5-172.5	0.4122E-06	75	0- 90	0.7935E-05	90-180	0.7173E-05
0-15.00	0.2562E-02	-7.5 TO 97.5	0.9405E-05	82.5-187.5	0.9334E-05	0	0-105	0.6732E-04	90-195	0.6732E-04
15-30.00	0.7510E-02	-7.5 TO 97.5	0.8502E-05	82.5-187.5	0.8356E-05	15	0-105	0.6418E-04	90-195	0.6346E-04
30-45.00	0.1195E-01	-7.5 TO 97.5	0.6837E-05	82.5-187.5	0.6647E-05	30	0-105	0.5479E-04	90-195	0.5357E-04
45-60.00	0.1557E-01	-7.5 TO 97.5	0.4708E-05	82.5-187.5	0.4520E-05	45	0-105	0.4099E-04	90-195	0.3962E-04
60-75.00	0.1813E-01	-7.5 TO 97.5	0.2429E-05	82.5-187.5	0.2280E-05	60	0-105	0.2510E-04	90-195	0.2390E-04
75-87.13	0.1570E-01	-7.5 TO 97.5	0.4825E-06	82.5-187.5	0.4091E-06	75	0-105	0.9180E-05	90-195	0.8334E-05

$r_2/r_1 = 0.50$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0375$ $\cosh \mu_2 = 9.9250$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 146.97$

0-15.00	0.3660E-03	-7.5 TO 7.5	0.3497E-04	82.5- 97.5	0.3454E-04	0	0- 15	0.3545E-04	90-105	0.3545E-04
15-30.00	0.1073E-02	-7.5 TO 7.5	0.3197E-04	82.5- 97.5	0.3108E-04	15	0- 15	0.3426E-04	90-105	0.3356E-04
30-45.00	0.1767E-02	-7.5 TO 7.5	0.2602E-04	82.5- 97.5	0.2486E-04	30	0- 15	0.2964E-04	90-105	0.2845E-04
45-60.00	0.2224E-02	-7.5 TO 7.5	0.1817E-04	82.5- 97.5	0.1702E-04	45	0- 15	0.2248E-04	90-105	0.2113E-04
60-75.00	0.2590E-02	-7.5 TO 7.5	0.9600E-05	82.5- 97.5	0.8692E-05	60	0- 15	0.1401E-04	90-105	0.1282E-04
75-87.13	0.2243E-02	-7.5 TO 7.5	0.2168E-05	82.5- 97.5	0.1630E-05	75	0- 15	0.5389E-05	90-105	0.4557E-05
0-15.00	0.7319E-03	-7.5 TO 22.5	0.3496E-04	82.5-112.5	0.3449E-04	0	0- 30	0.7090E-04	90-120	0.7090E-04
15-30.00	0.2146E-02	-7.5 TO 22.5	0.3195E-04	82.5-112.5	0.3096E-04	15	0- 30	0.6847E-04	90-120	0.6696E-04
30-45.00	0.3414E-02	-7.5 TO 22.5	0.2600E-04	82.5-112.5	0.2472E-04	30	0- 30	0.5920E-04	90-120	0.5663E-04
45-60.00	0.4449E-02	-7.5 TO 22.5	0.1815E-04	82.5-112.5	0.1688E-04	45	0- 30	0.4488E-04	90-120	0.4197E-04
60-75.00	0.5181E-02	-7.5 TO 22.5	0.9584E-05	82.5-112.5	0.8580E-05	60	0- 30	0.2795E-04	90-120	0.2539E-04
75-87.13	0.4485E-02	-7.5 TO 22.5	0.2159E-05	82.5-112.5	0.1582E-05	75	0- 30	0.1073E-04	90-120	0.8938E-05
0-15.00	0.1098E-02	-7.5 TO 37.5	0.3494E-04	82.5-127.5	0.3443E-04	0	0- 45	0.1064E-03	90-135	0.1064E-03
15-30.00	0.3219E-02	-7.5 TO 37.5	0.3192E-04	82.5-127.5	0.3086E-04	15	0- 45	0.1026E-03	90-135	0.1002E-03
30-45.00	0.5120E-02	-7.5 TO 37.5	0.2596E-04	82.5-127.5	0.2458E-04	30	0- 45	0.8863E-04	90-135	0.8458E-04
45-60.00	0.6673E-02	-7.5 TO 37.5	0.1810E-04	82.5-127.5	0.1674E-04	45	0- 45	0.6712E-04	90-135	0.6255E-04
60-75.00	0.7771E-02	-7.5 TO 37.5	0.9547E-05	82.5-127.5	0.8473E-05	60	0- 45	0.4175E-04	90-135	0.3773E-04
75-87.13	0.6728E-02	-7.5 TO 37.5	0.2136E-05	82.5-127.5	0.1538E-05	75	0- 45	0.1596E-04	90-135	0.1316E-04
0-15.00	0.1464E-02	-7.5 TO 52.5	0.3492E-04	82.5-142.5	0.3439E-04	0	0- 60	0.1418E-03	90-150	0.1418E-03
15-30.00	0.4292E-02	-7.5 TO 52.5	0.3186E-04	82.5-142.5	0.3076E-04	15	0- 60	0.1366E-03	90-150	0.1336E-03
30-45.00	0.6827E-02	-7.5 TO 52.5	0.2589E-04	82.5-142.5	0.2445E-04	30	0- 60	0.1179E-03	90-150	0.1123E-03
45-60.00	0.8857E-02	-7.5 TO 52.5	0.1803E-04	82.5-142.5	0.1662E-04	45	0- 60	0.8913E-04	90-150	0.8292E-04
60-75.00	0.1036E-01	-7.5 TO 52.5	0.9493E-05	82.5-142.5	0.8376E-05	60	0- 60	0.5539E-04	90-150	0.4989E-04
75-87.13	0.8971E-02	-7.5 TO 52.5	0.2102E-05	82.5-142.5	0.1498E-05	75	0- 60	0.2106E-04	90-150	0.1726E-04
0-15.00	0.1830E-02	-7.5 TO 67.5	0.3488E-04	82.5-157.5	0.3434E-04	0	0- 75	0.1773E-03	90-165	0.1773E-03
15-30.00	0.5365E-02	-7.5 TO 67.5	0.3179E-04	82.5-157.5	0.3067E-04	15	0- 75	0.1705E-03	90-165	0.1664E-03
30-45.00	0.8534E-02	-7.5 TO 67.5	0.2580E-04	82.5-157.5	0.2434E-04	30	0- 75	0.1468E-03	90-165	0.1400E-03
45-60.00	0.1112E-01	-7.5 TO 67.5	0.1794E-04	82.5-157.5	0.1651E-04	45	0- 75	0.1109E-03	90-165	0.1031E-03
60-75.00	0.1295E-01	-7.5 TO 67.5	0.9422E-05	82.5-157.5	0.8291E-05	60	0- 75	0.6871E-04	90-165	0.6191E-04
75-87.13	0.1121E-01	-7.5 TO 67.5	0.2059E-05	82.5-157.5	0.1463E-05	75	0- 75	0.2599E-04	90-165	0.2127E-04
0-15.00	0.2196E-02	-7.5 TO 82.5	0.3484E-04	82.5-172.5	0.3431E-04	0	0- 90	0.2127E-03	90-180	0.2127E-03
15-30.00	0.6438E-02	-7.5 TO 82.5	0.3171E-04	82.5-172.5	0.3060E-04	15	0- 90	0.2042E-03	90-180	0.1994E-03
30-45.00	0.1024E-01	-7.5 TO 82.5	0.2569E-04	82.5-172.5	0.2424E-04	30	0- 90	0.1756E-03	90-180	0.1675E-03
45-60.00	0.1335E-01	-7.5 TO 82.5	0.1784E-04	82.5-172.5	0.1642E-04	45	0- 90	0.1323E-03	90-180	0.1233E-03
60-75.00	0.1554E-01	-7.5 TO 82.5	0.9339E-05	82.5-172.5	0.8220E-05	60	0- 90	0.8180E-04	90-180	0.7387E-04
75-87.13	0.1346E-01	-7.5 TO 82.5	0.2008E-05	82.5-172.5	0.1434E-05	75	0- 90	0.3073E-04	90-180	0.2524E-04
0-15.00	0.2562E-02	-7.5 TO 97.5	0.3480E-04	82.5-187.5	0.3428E-04	0	0-105	0.2482E-03	90-195	0.2482E-03
15-30.00	0.7510E-02	-7.5 TO 97.5	0.3162E-04	82.5-187.5	0.3054E-04	15	0-105	0.2378E-03	90-195	0.2325E-03
30-45.00	0.1195E-01	-7.5 TO 97.5	0.2557E-04	82.5-187.5	0.2417E-04	30	0-105	0.2044E-03	90-195	0.1951E-03
45-60.00	0.1557E-01	-7.5 TO 97.5	0.1772E-04	82.5-187.5	0.1635E-04	45	0-105	0.1534E-03	90-195	0.1434E-03
60-75.00	0.1813E-01	-7.5 TO 97.5	0.9246E-05	82.5-187.5	0.8166E-05	60	0-105	0.9462E-04	90-195	0.8583E-04
75-87.13	0.1570E-01	-7.5 TO 97.5	0.1954E-05	82.5-187.5	0.1412E-05	75	0-105	0.3529E-04	90-195	0.2921E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0375$ $\cosh \mu_2 = 9.9250$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 130.76$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3660E-03	-7.5 TO 7.5	0.6902E-04	82.5- 97.5	0.6777E-04	0	0- 15	0.6955E-04	90-105	0.6955E-04
15-30.00	0.1073E-02	-7.5 TO 7.5	0.6362E-04	82.5- 97.5	0.6099E-04	15	0- 15	0.6784E-04	90-105	0.6576E-04
30-45.00	0.1777E-02	-7.5 TO 7.5	0.5225E-04	82.5- 97.5	0.4882E-04	30	0- 15	0.5923E-04	90-105	0.5570E-04
45-60.00	0.2224E-02	-7.5 TO 7.5	0.3683E-04	82.5- 97.5	0.3344E-04	45	0- 15	0.4534E-04	90-105	0.4136E-04
60-75.00	0.2590E-02	-7.5 TO 7.5	0.1975E-04	82.5- 97.5	0.1710E-04	60	0- 15	0.2857E-04	90-105	0.2508E-04
75-87.13	0.2243E-02	-7.5 TO 7.5	0.4782E-05	82.5- 97.5	0.3222E-05	75	0- 15	0.1130E-04	90-105	0.8898E-05
0-15.00	0.7319E-03	-7.5 TO 22.5	0.6900E-04	82.5-112.5	0.6760E-04	0	0- 30	0.1391E-03	90-120	0.1391E-03
15-30.00	0.2146E-02	-7.5 TO 22.5	0.6357E-04	82.5-112.5	0.6065E-04	15	0- 30	0.1355E-03	90-120	0.1311E-03
30-45.00	0.3414E-02	-7.5 TO 22.5	0.5219E-04	82.5-112.5	0.4839E-04	30	0- 30	0.1182E-03	90-120	0.1106E-03
45-60.00	0.4449E-02	-7.5 TO 22.5	0.3677E-04	82.5-112.5	0.3302E-04	45	0- 30	0.9043E-04	90-120	0.8186E-04
60-75.00	0.5181E-02	-7.5 TO 22.5	0.1971E-04	82.5-112.5	0.1678E-04	60	0- 30	0.5693E-04	90-120	0.4943E-04
75-87.13	0.4485E-02	-7.5 TO 22.5	0.4753E-05	82.5-112.5	0.3086E-05	75	0- 30	0.2245E-04	90-120	0.1730E-04
0-15.00	0.1098E-02	-7.5 TO 37.5	0.6895E-04	82.5-127.5	0.6745E-04	0	0- 45	0.2087E-03	90-135	0.2087E-03
15-30.00	0.3219E-02	-7.5 TO 37.5	0.6347E-04	82.5-127.5	0.6034E-04	15	0- 45	0.2030E-03	90-135	0.1959E-03
30-45.00	0.5120E-02	-7.5 TO 37.5	0.5205E-04	82.5-127.5	0.4798E-04	30	0- 45	0.1768E-03	90-135	0.1649E-03
45-60.00	0.6673E-02	-7.5 TO 37.5	0.3663E-04	82.5-127.5	0.3263E-04	45	0- 45	0.1359E-03	90-135	0.1214E-03
60-75.00	0.7771E-02	-7.5 TO 37.5	0.1960E-04	82.5-127.5	0.1647E-04	60	0- 45	0.8486E-04	90-135	0.7312E-04
75-87.13	0.6728E-02	-7.5 TO 37.5	0.4687E-05	82.5-127.5	0.2963E-05	75	0- 45	0.3330E-04	90-135	0.2526E-04
0-15.00	0.1464E-02	-7.5 TO 52.5	0.6888E-04	82.5-142.5	0.6731E-04	0	0- 60	0.2782E-03	90-150	0.2782E-03
15-30.00	0.4292E-02	-7.5 TO 52.5	0.6331E-04	82.5-142.5	0.6004E-04	15	0- 60	0.2701E-03	90-150	0.2605E-03
30-45.00	0.6827E-02	-7.5 TO 52.5	0.5185E-04	82.5-142.5	0.4760E-04	30	0- 60	0.2348E-03	90-150	0.2185E-03
45-60.00	0.8857E-02	-7.5 TO 52.5	0.3643E-04	82.5-142.5	0.3227E-04	45	0- 60	0.1790E-03	90-150	0.1607E-03
60-75.00	0.1036E-01	-7.5 TO 52.5	0.1944E-04	82.5-142.5	0.1620E-04	60	0- 60	0.1122E-03	90-150	0.9628E-04
75-87.13	0.8871E-02	-7.5 TO 52.5	0.4589E-05	82.5-142.5	0.2853E-05	75	0- 60	0.4375E-04	90-150	0.3288E-04
0-15.00	0.1830E-02	-7.5 TO 67.5	0.6878E-04	82.5-157.5	0.6719E-04	0	0- 75	0.3478E-03	90-165	0.3478E-03
15-30.00	0.5365E-02	-7.5 TO 67.5	0.6311E-04	82.5-157.5	0.5979E-04	15	0- 75	0.3363E-03	90-165	0.3248E-03
30-45.00	0.8534E-02	-7.5 TO 67.5	0.5158E-04	82.5-157.5	0.4728E-04	30	0- 75	0.2921E-03	90-165	0.2718E-03
45-60.00	0.1112E-01	-7.5 TO 67.5	0.3616E-04	82.5-157.5	0.3195E-04	45	0- 75	0.2221E-03	90-165	0.1994E-03
60-75.00	0.1295E-01	-7.5 TO 67.5	0.1923E-04	82.5-157.5	0.1596E-04	60	0- 75	0.1389E-03	90-165	0.1191E-03
75-87.13	0.1121E-01	-7.5 TO 67.5	0.4464E-05	82.5-157.5	0.2757E-05	75	0- 75	0.5371E-04	90-165	0.4026E-04
0-15.00	0.2196E-02	-7.5 TO 82.5	0.6867E-04	82.5-172.5	0.6708E-04	0	0- 90	0.4173E-03	90-180	0.4173E-03
15-30.00	0.6436E-02	-7.5 TO 82.5	0.6287E-04	82.5-172.5	0.5958E-04	15	0- 90	0.4031E-03	90-180	0.3890E-03
30-45.00	0.1024E-01	-7.5 TO 82.5	0.5127E-04	82.5-172.5	0.4700E-04	30	0- 90	0.3486E-03	90-180	0.3249E-03
45-60.00	0.1335E-01	-7.5 TO 82.5	0.3585E-04	82.5-172.5	0.3169E-04	45	0- 90	0.2664E-03	90-180	0.2379E-03
60-75.00	0.1554E-01	-7.5 TO 82.5	0.1898E-04	82.5-172.5	0.1576E-04	60	0- 90	0.1667E-03	90-180	0.1417E-03
75-87.13	0.1346E-01	-7.5 TO 82.5	0.4317E-05	82.5-172.5	0.2679E-05	75	0- 90	0.6314E-04	90-180	0.4752E-04
0-15.00	0.2562E-02	-7.5 TO 97.5	0.6854E-04	82.5-187.5	0.6700E-04	0	0-105	0.4869E-03	90-195	0.4869E-03
15-30.00	0.7510E-02	-7.5 TO 97.5	0.6260E-04	82.5-187.5	0.5941E-04	15	0-105	0.4688E-03	90-195	0.4532E-03
30-45.00	0.1195E-01	-7.5 TO 97.5	0.5092E-04	82.5-187.5	0.4679E-04	30	0-105	0.4043E-03	90-195	0.3780E-03
45-60.00	0.1557E-01	-7.5 TO 97.5	0.3551E-04	82.5-187.5	0.3149E-04	45	0-105	0.3058E-03	90-195	0.2763E-03
60-75.00	0.1813E-01	-7.5 TO 97.5	0.1871E-04	82.5-187.5	0.1560E-04	60	0-105	0.1898E-03	90-195	0.1643E-03
75-87.13	0.1570E-01	-7.5 TO 97.5	0.4161E-05	82.5-187.5	0.2618E-05	75	0-105	0.7204E-04	90-195	0.5478E-04

$r_2/r_1 = 0.50$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0375$ $\cosh \mu_2 = 9.9250$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 114.86$

0-15.00	0.3660E-03	-7.5 TO 7.5	0.1017E-03	82.5- 97.5	0.9919E-04	0	0- 15	0.1018E-03	90-105	0.1018E-03
15-30.00	0.1073E-02	-7.5 TO 7.5	0.9451E-04	82.5- 97.5	0.8929E-04	15	0- 15	0.1003E-03	90-105	0.9613E-04
30-45.00	0.1777E-02	-7.5 TO 7.5	0.7831E-04	82.5- 97.5	0.7152E-04	30	0- 15	0.8835E-04	90-105	0.8137E-04
45-60.00	0.2224E-02	-7.5 TO 7.5	0.5509E-04	82.5- 97.5	0.4904E-04	45	0- 15	0.6823E-04	90-105	0.6039E-04
60-75.00	0.2590E-02	-7.5 TO 7.5	0.3024E-04	82.5- 97.5	0.2511E-04	60	0- 15	0.4343E-04	90-105	0.3662E-04
75-87.13	0.2243E-02	-7.5 TO 7.5	0.7691E-05	82.5- 97.5	0.4758E-05	75	0- 15	0.1755E-04	90-105	0.1298E-04
0-15.00	0.7319E-03	-7.5 TO 22.5	0.1016E-03	82.5-112.5	0.9887E-04	0	0- 30	0.2036E-03	90-120	0.2036E-03
15-30.00	0.2146E-02	-7.5 TO 22.5	0.9442E-04	82.5-112.5	0.8863E-04	15	0- 30	0.2003E-03	90-120	0.1914E-03
30-45.00	0.3414E-02	-7.5 TO 22.5	0.7819E-04	82.5-112.5	0.7067E-04	30	0- 30	0.1763E-03	90-120	0.1612E-03
45-60.00	0.4449E-02	-7.5 TO 22.5	0.5557E-04	82.5-112.5	0.4822E-04	45	0- 30	0.1360E-03	90-120	0.1191E-03
60-75.00	0.5181E-02	-7.5 TO 22.5	0.3015E-04	82.5-112.5	0.2449E-04	60	0- 30	0.8642E-04	90-120	0.7182E-04
75-87.13	0.4485E-02	-7.5 TO 22.5	0.7636E-05	82.5-112.5	0.4507E-05	75	0- 30	0.3481E-04	90-120	0.2505E-04
0-15.00	0.1098E-02	-7.5 TO 37.5	0.1015E-03	82.5-127.5	0.9857E-04	0	0- 45	0.3054E-03	90-135	0.3054E-03
15-30.00	0.3219E-02	-7.5 TO 37.5	0.9421E-04	82.5-127.5	0.8801E-04	15	0- 45	0.2998E-03	90-135	0.2858E-03
30-45.00	0.5120E-02	-7.5 TO 37.5	0.7792E-04	82.5-127.5	0.6987E-04	30	0- 45	0.2634E-03	90-135	0.2397E-03
45-60.00	0.6673E-02	-7.5 TO 37.5	0.5540E-04	82.5-127.5	0.4745E-04	45	0- 45	0.2028E-03	90-135	0.1763E-03
60-75.00	0.7771E-02	-7.5 TO 37.5	0.2994E-04	82.5-127.5	0.2392E-04	60	0- 45	0.1286E-03	90-135	0.1058E-03
75-87.13	0.6728E-02	-7.5 TO 37.5	0.7511E-05	82.5-127.5	0.4282E-05	75	0- 45	0.5150E-04	90-135	0.3631E-04
0-15.00	0.1464E-02	-7.5 TO 52.5	0.1014E-03	82.5-142.5	0.9829E-04	0	0- 60	0.4072E-03	90-150	0.4072E-03
15-30.00	0.4292E-02	-7.5 TO 52.5	0.9390E-04	82.5-142.5	0.8744E-04	15	0- 60	0.3986E-03	90-150	0.3795E-03
30-45.00	0.6827E-02	-7.5 TO 52.5	0.7751E-04	82.5-142.5	0.6914E-04	30	0- 60	0.3493E-03	90-150	0.3171E-03
45-60.00	0.8857E-02	-7.5 TO 52.5	0.5490E-04	82.5-142.5	0.4676E-04	45	0- 60	0.2683E-03	90-150	0.2324E-03
60-75.00	0.1036E-01	-7.5 TO 52.5	0.2962E-04	82.5-142.5	0.2340E-04	60	0- 60	0.1696E-03	90-150	0.1387E-03
75-87.13	0.8871E-02	-7.5 TO 52.5	0.7324E-05	82.5-142.5	0.4083E-05	75	0- 60	0.6740E-04	90-150	0.4696E-04
0-15.00	0.1830E-02	-7.5 TO 67.5	0.1012E-03	82.5-157.5	0.9804E-04	0	0- 75	0.5090E-03	90-165	0.5090E-03
15-30.00	0.5365E-02	-7.5 TO 67.5	0.9349E-04	82.5-157.5	0.8693E-04	15	0- 75	0.4966E-03	90-165	0.4728E-03
30-45.00	0.8534E-02	-7.5 TO 67.5	0.7698E-04	82.5-157.5	0.6850E-04	30	0- 75	0.4338E-03	90-165	0.3938E-03
45-60.00	0.1112E-01	-7.5 TO 67.5	0.5438E-04	82.5-157.5	0.4615E-04	45	0- 75	0.3322E-03	90-165	0.2876E-03
60-75.00	0.1295E-01	-7.5 TO 67.5	0.2922E-04	82.5-157.5	0.2295E-04	60	0- 75	0.2093E-03	90-165	0.1710E-03
75-87.13	0.1121E-01	-7.5 TO 67.5	0.7087E-05	82.5-157.5	0.3912E-05	75	0- 75	0.8238E-04	90-165	0.5717E-04
0-15.00	0.2196E-02	-7.5 TO 82.5	0.1010E-03	82.5-172.5	0.9784E-04	0	0- 90	0.6107E-03	90-180	0.6107E-03
15-30.00	0.6438E-02	-7.5 TO 82.5	0.9302E-04	82.5-172.5	0.8652E-04	15	0- 90	0.5937E-03	90-180	0.5658E-03
30-45.00	0.1024E-01	-7.5 TO 82.5	0.7635E-04	82.5-172.5	0.6797E-04	30	0- 90	0.5168E-03	90-180	0.4700E-03
45-60.00	0.1335E-01	-7.5 TO 82.5	0.5376E-04	82.5-172.5	0.4565E-04	45	0- 90	0.3943E-03	90-180	0.3424E-03
60-75.00	0.1554E-01	-7.5 TO 82.5	0.2874E-04	82.5-172.5	0.2258E-04	60	0- 90	0.2474E-03	90-180	0.2029E-03
75-87.13	0.1346E-01	-7.5 TO 82.5	0.6812E-05	82.5-172.5	0.3771E-05	75	0- 90	0.9636E-04	90-180	0.6716E-04
0-15.00	0.2562E-02	-7.5 TO 97.5	0.1007E-03	82.5-187.5	0.9768E-04	0	0-105	0.7125E-03	90-195	0.7125E-03
15-30.00	0.7510E-02	-7.5 TO 97.5	0.9248E-04	82.5-187.5	0.8620E-04	15	0-105	0.6898E-03	90-195	0.6589E-03
30-45.00	0.1195E-01	-7.5 TO 97.5	0.7566E-04	82.5-187.5	0.6756E-04	30	0-105	0.5981E-03	90-195	0.5462E-03
45-60.00	0.1557E-01	-7.5 TO 97.5	0.5309E-04	82.5-187.5	0.4526E-04	45	0-105	0.4547E-03	90-195	0.3972E-03
60-75.00	0.1813E-01	-7.5 TO 97.5	0.2823E-04	82.5-187.5	0.2229E-04	60	0-105	0.2840E-03	90-195	0.2348E-03
75-87.13	0.1570E-01	-7.5 TO 97.5	0.6510E-05	82.5-187.5	0.3663E-05	75	0-105	0.1093E-03	90-195	0.7716E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0375$ $\cosh \mu_2 = 9.9250$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 99.34$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3660E-03	-7.5 TO 7.5	0.1239E-03	82.5- 97.5	0.1200E-03	0	0- 15	0.1231E-03	90-105	0.1231E-03
15-30.00	0.1073E-02	-7.5 TO 7.5	0.1162E-03	82.5- 97.5	0.1081E-03	15	0- 15	0.1226E-03	90-105	0.1162E-03
30-45.00	0.1767E-02	-7.5 TO 7.5	0.9719E-04	82.5- 97.5	0.8660E-04	30	0- 15	0.1091E-03	90-105	0.9822E-04
45-60.00	0.2224E-02	-7.5 TO 7.5	0.6970E-04	82.5- 97.5	0.5943E-04	45	0- 15	0.8504E-04	90-105	0.7287E-04
60-75.00	0.2590E-02	-7.5 TO 7.5	0.3822E-04	82.5- 97.5	0.3047E-04	60	0- 15	0.5455E-04	90-105	0.4419E-04
75-87.13	0.2243E-02	-7.5 TO 7.5	0.1002E-04	82.5- 97.5	0.5803E-05	75	0- 15	0.2240E-04	90-105	0.1567E-04
0-15.00	0.7319E-03	-7.5 TO 22.5	0.1238E-03	82.5-112.5	0.1195E-03	0	0- 30	0.2463E-03	90-120	0.2463E-03
15-30.00	0.2146E-02	-7.5 TO 22.5	0.1161E-03	82.5-112.5	0.1070E-03	15	0- 30	0.2448E-03	90-120	0.2309E-03
30-45.00	0.3414E-02	-7.5 TO 22.5	0.9700E-04	82.5-112.5	0.8529E-04	30	0- 30	0.2176E-03	90-120	0.1941E-03
45-60.00	0.4449E-02	-7.5 TO 22.5	0.6952E-04	82.5-112.5	0.5819E-04	45	0- 30	0.1693E-03	90-120	0.1432E-03
60-75.00	0.5181E-02	-7.5 TO 22.5	0.3808E-04	82.5-112.5	0.2956E-04	60	0- 30	0.1085E-03	90-120	0.8623E-04
75-87.13	0.4485E-02	-7.5 TO 22.5	0.9942E-05	82.5-112.5	0.5448E-05	75	0- 30	0.4435E-04	90-120	0.3003E-04
0-15.00	0.1098E-02	-7.5 TO 37.5	0.1237E-03	82.5-127.5	0.1190E-03	0	0- 45	0.3694E-03	90-135	0.3694E-03
15-30.00	0.3219E-02	-7.5 TO 37.5	0.1158E-03	82.5-127.5	0.1061E-03	15	0- 45	0.3663E-03	90-135	0.3443E-03
30-45.00	0.5120E-02	-7.5 TO 37.5	0.9658E-04	82.5-127.5	0.8405E-04	30	0- 45	0.3247E-03	90-135	0.2879E-03
45-60.00	0.6673E-02	-7.5 TO 37.5	0.6910E-04	82.5-127.5	0.5702E-04	45	0- 45	0.2521E-03	90-135	0.2112E-03
60-75.00	0.7771E-02	-7.5 TO 37.5	0.3776E-04	82.5-127.5	0.2872E-04	60	0- 45	0.1612E-03	90-135	0.1264E-03
75-87.13	0.6728E-02	-7.5 TO 37.5	0.9759E-05	82.5-127.5	0.5135E-05	75	0- 45	0.6545E-04	90-135	0.4326E-04
0-15.00	0.1464E-02	-7.5 TO 52.5	0.1235E-03	82.5-142.5	0.1186E-03	0	0- 60	0.4926E-03	90-150	0.4926E-03
15-30.00	0.4292E-02	-7.5 TO 52.5	0.1153E-03	82.5-142.5	0.1052E-03	15	0- 60	0.4867E-03	90-150	0.4588E-03
30-45.00	0.6827E-02	-7.5 TO 52.5	0.9594E-04	82.5-142.5	0.8293E-04	30	0- 60	0.4301E-03	90-150	0.3799E-03
45-60.00	0.8857E-02	-7.5 TO 52.5	0.6847E-04	82.5-142.5	0.5596E-04	45	0- 60	0.3329E-03	90-150	0.2774E-03
60-75.00	0.1036E-01	-7.5 TO 52.5	0.3728E-04	82.5-142.5	0.2796E-04	60	0- 60	0.2121E-03	90-150	0.1651E-03
75-87.13	0.8671E-02	-7.5 TO 52.5	0.9487E-05	82.5-142.5	0.4860E-05	75	0- 60	0.8539E-04	90-150	0.5563E-04
0-15.00	0.1830E-02	-7.5 TO 67.5	0.1232E-03	82.5-157.5	0.1182E-03	0	0- 75	0.6157E-03	90-165	0.6157E-03
15-30.00	0.5365E-02	-7.5 TO 67.5	0.1146E-03	82.5-157.5	0.1044E-03	15	0- 75	0.6057E-03	90-165	0.5685E-03
30-45.00	0.8534E-02	-7.5 TO 67.5	0.9511E-04	82.5-157.5	0.8195E-04	30	0- 75	0.5332E-03	90-165	0.4708E-03
45-60.00	0.1112E-01	-7.5 TO 67.5	0.6767E-04	82.5-157.5	0.5504E-04	45	0- 75	0.4112E-03	90-165	0.3423E-03
60-75.00	0.1295E-01	-7.5 TO 67.5	0.3666E-04	82.5-157.5	0.2730E-04	60	0- 75	0.2608E-03	90-165	0.2028E-03
75-87.13	0.1121E-01	-7.5 TO 67.5	0.9143E-05	82.5-157.5	0.4625E-05	75	0- 75	0.1040E-03	90-165	0.6740E-04
0-15.00	0.2196E-02	-7.5 TO 82.5	0.1228E-03	82.5-172.5	0.1179E-03	0	0- 90	0.7389E-03	90-180	0.7389E-03
15-30.00	0.6438E-02	-7.5 TO 82.5	0.1139E-03	82.5-172.5	0.1037E-03	15	0- 90	0.7234E-03	90-180	0.6748E-03
30-45.00	0.1024E-01	-7.5 TO 82.5	0.9414E-04	82.5-172.5	0.8113E-04	30	0- 90	0.6339E-03	90-180	0.5611E-03
45-60.00	0.1335E-01	-7.5 TO 82.5	0.6672E-04	82.5-172.5	0.5428E-04	45	0- 90	0.4868E-03	90-180	0.4066E-03
60-75.00	0.1554E-01	-7.5 TO 82.5	0.3595E-04	82.5-172.5	0.2676E-04	60	0- 90	0.3073E-03	90-180	0.2399E-03
75-87.13	0.1346E-01	-7.5 TO 82.5	0.8746E-05	82.5-172.5	0.4434E-05	75	0- 90	0.1211E-03	90-180	0.7888E-04
0-15.00	0.2562E-02	-7.5 TO 97.5	0.1224E-03	82.5-187.5	0.1177E-03	0	0-105	0.8620E-03	90-195	0.8620E-03
15-30.00	0.7510E-02	-7.5 TO 97.5	0.1131E-03	82.5-187.5	0.1032E-03	15	0-105	0.8395E-03	90-195	0.7911E-03
30-45.00	0.1195E-01	-7.5 TO 97.5	0.9306E-04	82.5-187.5	0.8050E-04	30	0-105	0.7321E-03	90-195	0.6514E-03
45-60.00	0.1557E-01	-7.5 TO 97.5	0.6568E-04	82.5-187.5	0.5370E-04	45	0-105	0.5597E-03	90-195	0.4709E-03
60-75.00	0.1813E-01	-7.5 TO 97.5	0.3516E-04	82.5-187.5	0.2635E-04	60	0-105	0.3515E-03	90-195	0.2771E-03
75-87.13	0.1570E-01	-7.5 TO 97.5	0.8326E-05	82.5-187.5	0.4288E-05	75	0-105	0.1367E-03	90-195	0.9035E-04

$r_2/r_1 = 0.50$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0375$ $\cosh \mu_2 = 9.9250$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 84.22$

0-15.00	0.3660E-03	-7.5 TO 7.5	0.1303E-03	82.5- 97.5	0.1253E-03	0	0- 15	0.1286E-03	90-105	0.1286E-03
15-30.00	0.1073E-02	-7.5 TO 7.5	0.1235E-03	82.5- 97.5	0.1129E-03	15	0- 15	0.1295E-03	90-105	0.1211E-03
30-45.00	0.1767E-02	-7.5 TO 7.5	0.1043E-03	82.5- 97.5	0.9050E-04	30	0- 15	0.1165E-03	90-105	0.1023E-03
45-60.00	0.2224E-02	-7.5 TO 7.5	0.7544E-04	82.5- 97.5	0.6215E-04	45	0- 15	0.9168E-04	90-105	0.7589E-04
60-75.00	0.2590E-02	-7.5 TO 7.5	0.4167E-04	82.5- 97.5	0.3189E-04	60	0- 15	0.5931E-04	90-105	0.4601E-04
75-87.13	0.2243E-02	-7.5 TO 7.5	0.1108E-04	82.5- 97.5	0.6087E-05	75	0- 15	0.2454E-04	90-105	0.1632E-04
0-15.00	0.7319E-03	-7.5 TO 22.5	0.1303E-03	82.5-112.5	0.1247E-03	0	0- 30	0.2572E-03	90-120	0.2572E-03
15-30.00	0.2146E-02	-7.5 TO 22.5	0.1233E-03	82.5-112.5	0.1116E-03	15	0- 30	0.2584E-03	90-120	0.2405E-03
30-45.00	0.3414E-02	-7.5 TO 22.5	0.1041E-03	82.5-112.5	0.8886E-04	30	0- 30	0.2321E-03	90-120	0.2017E-03
45-60.00	0.4449E-02	-7.5 TO 22.5	0.7520E-04	82.5-112.5	0.6061E-04	45	0- 30	0.1823E-03	90-120	0.1486E-03
60-75.00	0.5181E-02	-7.5 TO 22.5	0.4149E-04	82.5-112.5	0.3080E-04	60	0- 30	0.1177E-03	90-120	0.8944E-04
75-87.13	0.4485E-02	-7.5 TO 22.5	0.1098E-04	82.5-112.5	0.5683E-05	75	0- 30	0.4851E-04	90-120	0.3114E-04
0-15.00	0.1098E-02	-7.5 TO 37.5	0.1301E-03	82.5-127.5	0.1241E-03	0	0- 45	0.3858E-03	90-135	0.3858E-03
15-30.00	0.3219E-02	-7.5 TO 37.5	0.1229E-03	82.5-127.5	0.1104E-03	15	0- 45	0.3863E-03	90-135	0.3583E-03
30-45.00	0.5120E-02	-7.5 TO 37.5	0.1035E-03	82.5-127.5	0.8733E-04	30	0- 45	0.3460E-03	90-135	0.2986E-03
45-60.00	0.6673E-02	-7.5 TO 37.5	0.7465E-04	82.5-127.5	0.5919E-04	45	0- 45	0.2710E-03	90-135	0.2186E-03
60-75.00	0.7771E-02	-7.5 TO 37.5	0.4107E-04	82.5-127.5	0.2980E-04	60	0- 45	0.1745E-03	90-135	0.1307E-03
75-87.13	0.6728E-02	-7.5 TO 37.5	0.1076E-04	82.5-127.5	0.5332E-05	75	0- 45	0.7142E-04	90-135	0.4469E-04
0-15.00	0.1464E-02	-7.5 TO 52.5	0.1298E-03	82.5-142.5	0.1235E-03	0	0- 60	0.5144E-03	90-150	0.5144E-03
15-30.00	0.4292E-02	-7.5 TO 52.5	0.1222E-03	82.5-142.5	0.1093E-03	15	0- 60	0.5129E-03	90-150	0.4747E-03
30-45.00	0.6827E-02	-7.5 TO 52.5	0.1026E-03	82.5-142.5	0.8595E-04	30	0- 60	0.4575E-03	90-150	0.3934E-03
45-60.00	0.8857E-02	-7.5 TO 52.5	0.7382E-04	82.5-142.5	0.5792E-04	45	0- 60	0.3570E-03	90-150	0.2864E-03
60-75.00	0.1036E-01	-7.5 TO 52.5	0.4045E-04	82.5-142.5	0.2891E-04	60	0- 60	0.2290E-03	90-150	0.1702E-03
75-87.13	0.8671E-02	-7.5 TO 52.5	0.1043E-04	82.5-142.5	0.5028E-05	75	0- 60	0.9289E-04	90-150	0.5729E-04
0-15.00	0.1830E-02	-7.5 TO 67.5	0.1294E-03	82.5-157.5	0.1231E-03	0	0- 75	0.6430E-03	90-165	0.6430E-03
15-30.00	0.5365E-02	-7.5 TO 67.5	0.1214E-03	82.5-157.5	0.1083E-03	15	0- 75	0.6371E-03	90-165	0.5903E-03
30-45.00	0.8534E-02	-7.5 TO 67.5	0.1015E-03	82.5-157.5	0.8476E-04	30	0- 75	0.5661E-03	90-165	0.4867E-03
45-60.00	0.1112E-01	-7.5 TO 67.5	0.7276E-04	82.5-157.5	0.5682E-04	45	0- 75	0.4398E-03	90-165	0.3527E-03
60-75.00	0.1295E-01	-7.5 TO 67.5	0.3967E-04	82.5-157.5	0.2816E-04	60	0- 75	0.2807E-03	90-165	0.2085E-03
75-87.13	0.1121E-01	-7.5 TO 67.5	0.1001E-04	82.5-157.5	0.4771E-05	75	0- 75	0.1127E-03	90-165	0.6924E-04
0-15.00	0.2196E-02	-7.5 TO 82.5	0.1289E-03	82.5-172.5	0.1227E-03	0	0- 90	0.7716E-03	90-180	0.7716E-03
15-30.00	0.6438E-02	-7.5 TO 82.5	0.1204E-03	82.5-172.5	0.1075E-03	15	0- 90	0.7608E-03	90-180	0.7054E-03
30-45.00	0.1024E-01	-7.5 TO 82.5	0.1003E-03	82.5-172.5	0.8377E-04	30	0- 90	0.6716E-03	90-180	0.5793E-03
45-60.00	0.1335E-01	-7.5 TO 82.5	0.7153E-04	82.5-172.5	0.5592E-04	45	0- 90	0.5191E-03	90-180	0.4183E-03
60-75.00	0.1554E-01	-7.5 TO 82.5	0.3876E-04	82.5-172.5	0.2754E-04	60	0- 90	0.3295E-03	90-180	0.2463E-03
75-87.13	0.1346E-01	-7.5 TO 82.5	0.9542E-05	82.5-172.5	0.4563E-05	75	0- 90	0.1307E-03	90-180	0.8087E-04
0-15.00	0.2562E-02	-7.5 TO 97.5	0.1284E-03	82.5-187.5	0.1224E-03	0	0-105	0.9002E-03	90-195	0.9002E-03
15-30.00	0.7510E-02	-7.5 TO 97.5	0.1193E-03	82.5-187.5	0.1069E-03	15	0-105	0.8820E-03	90-195	0.8206E-03
30-45.00	0.1195E-01	-7.5 TO 97.5	0.9887E-04	82.5-187.5	0.8302E-04	30	0-105	0.7739E-03	90-195	0.6720E-03
45-60.00	0.1557E-01	-7.5 TO 97.5	0.7019E-04	82.5-187.5	0.5823E-04	45	0-105	0.5950E-03	90-195	0.4839E-03
60-75.00	0.1813E-01	-7.5 TO 97.5	0.3778E-04	82.5-187.5	0.2706E-04	60	0-105	0.3756E-03	90-195	0.2840E-03
75-87.13	0.1570E-01	-7.5 TO 97.5	0.9049E-05	82.5-187.5	0.4404E-05	75	0-105	0.1470E-03	90-195	0.9249E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

r_2/r_1 = 0.50 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0375 $\cosh \mu_2$ = 9.9250 $\alpha_{2,max}$ = 92.87 $\theta_{2,min}$ = 81.37

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3660E-03	-7.5 TO 7.5	0.1303E-03	82.5- 97.5	0.1293E-03	0	0- 15	0.1288E-03	90-105	0.1288E-03
15-30.00	0.1673E-02	-7.5 TO 7.5	0.1235E-03	82.5- 97.5	0.1129E-03	15	0- 15	0.1295E-03	90-105	0.1211E-03
30-45.00	0.3707E-02	-7.5 TO 7.5	0.1043E-03	82.5- 97.5	0.9050E-04	30	0- 15	0.1165E-03	90-105	0.1023E-03
45-60.00	0.2224E-02	-7.5 TO 7.5	0.7551E-04	82.5- 97.5	0.6215E-04	45	0- 15	0.9171E-04	90-105	0.7589E-04
60-75.00	0.2590E-02	-7.5 TO 7.5	0.4174E-04	82.5- 97.5	0.3189E-04	60	0- 15	0.5938E-04	90-105	0.4601E-04
75-87.13	0.2243E-02	-7.5 TO 7.5	0.1110E-04	82.5- 97.5	0.6087E-05	75	0- 15	0.2459E-04	90-105	0.1632E-04
0-15.00	0.7319E-03	-7.5 TO 22.5	0.1303E-03	82.5-112.5	0.1247E-03	0	0- 30	0.2572E-03	90-120	0.2572E-03
15-30.00	0.2146E-02	-7.5 TO 22.5	0.1233E-03	82.5-112.5	0.1116E-03	15	0- 30	0.2584E-03	90-120	0.2405E-03
30-45.00	0.3414E-02	-7.5 TO 22.5	0.1041E-03	82.5-112.5	0.8886E-04	30	0- 30	0.2321E-03	90-120	0.2017E-03
45-60.00	0.4449E-02	-7.5 TO 22.5	0.7526E-04	82.5-112.5	0.6061E-04	45	0- 30	0.1824E-03	90-120	0.1486E-03
60-75.00	0.5181E-02	-7.5 TO 22.5	0.4155E-04	82.5-112.5	0.3080E-04	60	0- 30	0.1179E-03	90-120	0.8944E-04
75-87.13	0.4485E-02	-7.5 TO 22.5	0.1100E-04	82.5-112.5	0.6083E-05	75	0- 30	0.4860E-04	90-120	0.3114E-04
0-15.00	0.1058E-02	-7.5 TO 37.5	0.1301E-03	82.5-127.5	0.1241E-03	0	0- 45	0.3858E-03	90-135	0.3858E-03
15-30.00	0.3219E-02	-7.5 TO 37.5	0.1229E-03	82.5-127.5	0.1104E-03	15	0- 45	0.3863E-03	90-135	0.3583E-03
30-45.00	0.5126E-02	-7.5 TO 37.5	0.1035E-03	82.5-127.5	0.8733E-04	30	0- 45	0.3460E-03	90-135	0.2986E-03
45-60.00	0.6673E-02	-7.5 TO 37.5	0.7470E-04	82.5-127.5	0.5919E-04	45	0- 45	0.2711E-03	90-135	0.2186E-03
60-75.00	0.7771E-02	-7.5 TO 37.5	0.4113E-04	82.5-127.5	0.2980E-04	60	0- 45	0.1747E-03	90-135	0.1307E-03
75-87.13	0.6728E-02	-7.5 TO 37.5	0.1078E-04	82.5-127.5	0.5332E-05	75	0- 45	0.7151E-04	90-135	0.4469E-04
0-15.00	0.1464E-02	-7.5 TO 52.5	0.1298E-03	82.5-142.5	0.1235E-03	0	0- 60	0.5144E-03	90-150	0.5144E-03
15-30.00	0.4292E-02	-7.5 TO 52.5	0.1222E-03	82.5-142.5	0.1093E-03	15	0- 60	0.5129E-03	90-150	0.4747E-03
30-45.00	0.6827E-02	-7.5 TO 52.5	0.1026E-03	82.5-142.5	0.8595E-04	30	0- 60	0.4575E-03	90-150	0.3934E-03
45-60.00	0.8897E-02	-7.5 TO 52.5	0.7386E-04	82.5-142.5	0.5792E-04	45	0- 60	0.3571E-03	90-150	0.2864E-03
60-75.00	0.1036E-01	-7.5 TO 52.5	0.4056E-04	82.5-142.5	0.2891E-04	60	0- 60	0.2291E-03	90-150	0.1702E-03
75-87.13	0.8971E-02	-7.5 TO 52.5	0.1044E-04	82.5-142.5	0.5028E-05	75	0- 60	0.9299E-04	90-150	0.5729E-04
0-15.00	0.1830E-02	-7.5 TO 67.5	0.1294E-03	82.5-157.5	0.1231E-03	0	0- 75	0.6430E-03	90-165	0.6430E-03
15-30.00	0.5365E-02	-7.5 TO 67.5	0.1214E-03	82.5-157.5	0.1083E-03	15	0- 75	0.6378E-03	90-165	0.5903E-03
30-45.00	0.8534E-02	-7.5 TO 67.5	0.1016E-03	82.5-157.5	0.8476E-04	30	0- 75	0.5661E-03	90-165	0.4867E-03
45-60.00	0.1112E-01	-7.5 TO 67.5	0.7279E-04	82.5-157.5	0.5682E-04	45	0- 75	0.4399E-03	90-165	0.3527E-03
60-75.00	0.1295E-01	-7.5 TO 67.5	0.3970E-04	82.5-157.5	0.2816E-04	60	0- 75	0.2809E-03	90-165	0.2085E-03
75-87.13	0.1121E-01	-7.5 TO 67.5	0.1003E-04	82.5-157.5	0.4771E-05	75	0- 75	0.1128E-03	90-165	0.6924E-04
0-15.00	0.2196E-02	-7.5 TO 82.5	0.1289E-03	82.5-172.5	0.1227E-03	0	0- 90	0.7716E-03	90-180	0.7716E-03
15-30.00	0.6438E-02	-7.5 TO 82.5	0.1204E-03	82.5-172.5	0.1075E-03	15	0- 90	0.7608E-03	90-180	0.7054E-03
30-45.00	0.1024E-01	-7.5 TO 82.5	0.1003E-03	82.5-172.5	0.8377E-04	30	0- 90	0.6716E-03	90-180	0.5793E-03
45-60.00	0.1335E-01	-7.5 TO 82.5	0.7155E-04	82.5-172.5	0.5592E-04	45	0- 90	0.5192E-03	90-180	0.4183E-03
60-75.00	0.1554E-01	-7.5 TO 82.5	0.3879E-04	82.5-172.5	0.2754E-04	60	0- 90	0.3297E-03	90-180	0.2463E-03
75-87.13	0.1346E-01	-7.5 TO 82.5	0.9953E-05	82.5-172.5	0.4563E-05	75	0- 90	0.1308E-03	90-180	0.8087E-04
0-15.00	0.2562E-02	-7.5 TO 97.5	0.1284E-03	82.5-187.5	0.1224E-03	0	0-105	0.9002E-03	90-195	0.9002E-03
15-30.00	0.7510E-02	-7.5 TO 97.5	0.1193E-03	82.5-187.5	0.1069E-03	15	0-105	0.8820E-03	90-195	0.8206E-03
30-45.00	0.1195E-01	-7.5 TO 97.5	0.9888E-04	82.5-187.5	0.8302E-04	30	0-105	0.7739E-03	90-195	0.6720E-03
45-60.00	0.1557E-01	-7.5 TO 97.5	0.7021E-04	82.5-187.5	0.5523E-04	45	0-105	0.5951E-03	90-195	0.4839E-03
60-75.00	0.1813E-01	-7.5 TO 97.5	0.3780E-04	82.5-187.5	0.2706E-04	60	0-105	0.3757E-03	90-195	0.2840E-03
75-87.13	0.1570E-01	-7.5 TO 97.5	0.9058E-05	82.5-187.5	0.4404E-05	75	0-105	0.1471E-03	90-195	0.9249E-04

r_2/r_1 = 0.50 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0187 $\cosh \mu_2$ = 19.9625 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 164.24

0-15.00	0.8577E-04	-7.5 TO 7.5	0.1998E-05	82.5- 97.5	0.1993E-05	0	0- 15	0.2035E-05	90-105	0.2035E-05
15-30.00	0.2632E-03	-7.5 TO 7.5	0.1839E-05	82.5- 97.5	0.1828E-05	15	0- 15	0.1958E-05	90-105	0.1949E-05
30-45.00	0.4187E-03	-7.5 TO 7.5	0.1537E-05	82.5- 97.5	0.1521E-05	30	0- 15	0.1721E-05	90-105	0.1706E-05
45-60.00	0.5456E-03	-7.5 TO 7.5	0.1125E-05	82.5- 97.5	0.1109E-05	45	0- 15	0.1354E-05	90-105	0.1336E-05
60-75.00	0.6354E-03	-7.5 TO 7.5	0.6500E-06	82.5- 97.5	0.6362E-06	60	0- 15	0.9002E-06	90-105	0.8829E-06
75-88.57	0.6160E-03	-7.5 TO 7.5	0.1835E-06	82.5- 97.5	0.1743E-06	75	0- 15	0.4056E-06	90-105	0.3922E-06
0-15.00	0.1795E-03	-7.5 TO 22.5	0.1998E-05	82.5-112.5	0.1992E-05	0	0- 30	0.4070E-05	90-120	0.4070E-05
15-30.00	0.5264E-03	-7.5 TO 22.5	0.1839E-05	82.5-112.5	0.1827E-05	15	0- 30	0.3915E-05	90-120	0.3897E-05
30-45.00	0.8373E-03	-7.5 TO 22.5	0.1536E-05	82.5-112.5	0.1519E-05	30	0- 30	0.3441E-05	90-120	0.3409E-05
45-60.00	0.1091E-02	-7.5 TO 22.5	0.1125E-05	82.5-112.5	0.1107E-05	45	0- 30	0.2707E-05	90-120	0.2668E-05
60-75.00	0.1271E-02	-7.5 TO 22.5	0.6497E-06	82.5-112.5	0.6344E-06	60	0- 30	0.1799E-05	90-120	0.1762E-05
75-88.57	0.1232E-02	-7.5 TO 22.5	0.1833E-06	82.5-112.5	0.1731E-06	75	0- 30	0.8105E-06	90-120	0.7814E-06
0-15.00	0.2693E-03	-7.5 TO 37.5	0.1997E-05	82.5-127.5	0.1991E-05	0	0- 45	0.6105E-05	90-135	0.6105E-05
15-30.00	0.7895E-03	-7.5 TO 37.5	0.1839E-05	82.5-127.5	0.1826E-05	15	0- 45	0.5872E-05	90-135	0.5842E-05
30-45.00	0.1256E-02	-7.5 TO 37.5	0.1536E-05	82.5-127.5	0.1518E-05	30	0- 45	0.5160E-05	90-135	0.5108E-05
45-60.00	0.1637E-02	-7.5 TO 37.5	0.1124E-05	82.5-127.5	0.1105E-05	45	0- 45	0.4059E-05	90-135	0.3997E-05
60-75.00	0.1906E-02	-7.5 TO 37.5	0.6492E-06	82.5-127.5	0.6327E-06	60	0- 45	0.2696E-05	90-135	0.2637E-05
75-88.57	0.1848E-02	-7.5 TO 37.5	0.1830E-06	82.5-127.5	0.1720E-06	75	0- 45	0.1214E-05	90-135	0.1168E-05
0-15.00	0.3591E-03	-7.5 TO 52.5	0.1997E-05	82.5-142.5	0.1991E-05	0	0- 60	0.8140E-05	90-150	0.8140E-05
15-30.00	0.1053E-02	-7.5 TO 52.5	0.1838E-05	82.5-142.5	0.1824E-05	15	0- 60	0.7827E-05	90-150	0.7787E-05
30-45.00	0.1675E-02	-7.5 TO 52.5	0.1535E-05	82.5-142.5	0.1516E-05	30	0- 60	0.6876E-05	90-150	0.6805E-05
45-60.00	0.2182E-02	-7.5 TO 52.5	0.1123E-05	82.5-142.5	0.1103E-05	45	0- 60	0.5407E-05	90-150	0.5322E-05
60-75.00	0.2542E-02	-7.5 TO 52.5	0.6484E-06	82.5-142.5	0.6312E-06	60	0- 60	0.3591E-05	90-150	0.3510E-05
75-88.57	0.2464E-02	-7.5 TO 52.5	0.1824E-06	82.5-142.5	0.1710E-06	75	0- 60	0.1615E-05	90-150	0.1552E-05
0-15.00	0.4488E-03	-7.5 TO 67.5	0.1997E-05	82.5-157.5	0.1990E-05	0	0- 75	0.1017E-04	90-165	0.1017E-04
15-30.00	0.1316E-02	-7.5 TO 67.5	0.1837E-05	82.5-157.5	0.1823E-05	15	0- 75	0.9780E-05	90-165	0.9730E-05
30-45.00	0.2093E-02	-7.5 TO 67.5	0.1534E-05	82.5-157.5	0.1514E-05	30	0- 75	0.8589E-05	90-165	0.8500E-05
45-60.00	0.2728E-02	-7.5 TO 67.5	0.1122E-05	82.5-157.5	0.1102E-05	45	0- 75	0.6751E-05	90-165	0.6646E-05
60-75.00	0.3177E-02	-7.5 TO 67.5	0.6473E-06	82.5-157.5	0.6298E-06	60	0- 75	0.4481E-05	90-165	0.4381E-05
75-88.57	0.3080E-02	-7.5 TO 67.5	0.1817E-06	82.5-157.5	0.1701E-06	75	0- 75	0.2013E-05	90-165	0.1935E-05
0-15.00	0.5386E-03	-7.5 TO 82.5	0.1996E-05	82.5-172.5	0.1990E-05	0	0- 90	0.1221E-04	90-180	0.1221E-04
15-30.00	0.1579E-02	-7.5 TO 82.5	0.1836E-05	82.5-172.5	0.1822E-05	15	0- 90	0.1173E-04	90-180	0.1167E-04
30-45.00	0.2512E-02	-7.5 TO 82.5	0.1532E-05	82.5-172.5	0.1513E-05	30	0- 90	0.1030E-04	90-180	0.1019E-04
45-60.00	0.3274E-02	-7.5 TO 82.5	0.1120E-05	82.5-172.5	0.1100E-05	45	0- 90	0.8091E-05	90-180	0.7968E-05
60-75.00	0.3812E-02	-7.5 TO 82.5	0.6461E-06	82.5-172.5	0.6287E-06	60	0- 90	0.5368E-05	90-180	0.5251E-05
75-88.57	0.3696E-02	-7.5 TO 82.5	0.1809E-06	82.5-172.5	0.1693E-06	75	0- 90	0.2408E-05	90-180	0.2317E-05
0-15.00	0.6284E-03	-7.5 TO 97.5	0.1996E-05	82.5-187.5	0.1989E-05	0	0-105	0.1424E-04	90-195	0.1424E-04
15-30.00	0.1842E-02	-7.5 TO 97.5	0.1835E-05	82.5-187.5	0.1822E-05	15	0-105	0.1368E-04	90-195	0.1362E-04
30-45.00	0.2931E-02	-7.5 TO 97.5	0.1531E-05	82.5-187.5	0.1512E-05	30	0-105	0.1200E-04	90-195	0.1189E-04
45-60.00	0.3819E-02	-7.5 TO 97.5	0.1119E-05	82.5-187.5	0.1099E-05	45	0-105	0.9428E-05	90-195	0.9290E-05
60-75.00	0.4448E-02	-7.5 TO 97.5	0.6446E-06	82.5-187.5	0.6278E-06	60	0-105	0.6251E-05	90-195	0.6121E-05
75-88.57	0.4312E-02	-7.5 TO 97.5	0.1799E-06	82.5-187.5	0.1687E-06	75	0-105	0.2801E-05	90-195	0.2699E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0187$ $\cosh \mu_2 = 19.9625$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 148.53$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8577E-04	-7.5 TO 7.5	0.7434E-05	82.5- 97.5	0.7395E-05	0	0- 15	0.7553E-05	90-105	0.7553E-05
15-30.00	0.2632E-03	-7.5 TO 7.5	0.6869E-05	82.5- 97.5	0.6788E-05	15	0- 15	0.7296E-05	90-105	0.7231E-05
30-45.00	0.4167E-03	-7.5 TO 7.5	0.5760E-05	82.5- 97.5	0.5647E-05	30	0- 15	0.6439E-05	90-105	0.6326E-05
45-60.00	0.5456E-03	-7.5 TO 7.5	0.4236E-05	82.5- 97.5	0.4117E-05	45	0- 15	0.5087E-05	90-105	0.4952E-05
60-75.00	0.6354E-03	-7.5 TO 7.5	0.2464E-05	82.5- 97.5	0.2362E-05	60	0- 15	0.3399E-05	90-105	0.3270E-05
75-88.57	0.6160E-03	-7.5 TO 7.5	0.7145E-06	82.5- 97.5	0.6474E-06	75	0- 15	0.1550E-05	90-105	0.1451E-05
0-15.00	0.1795E-03	-7.5 TO 22.5	0.7434E-05	82.5-112.5	0.7390E-05	0	0- 30	0.1511E-04	90-120	0.1511E-04
15-30.00	0.5264E-03	-7.5 TO 22.5	0.6868E-05	82.5-112.5	0.6776E-05	15	0- 30	0.1459E-04	90-120	0.1445E-04
30-45.00	0.8373E-03	-7.5 TO 22.5	0.5758E-05	82.5-112.5	0.5633E-05	30	0- 30	0.1287E-04	90-120	0.1263E-04
45-60.00	0.1091E-02	-7.5 TO 22.5	0.4234E-05	82.5-112.5	0.4102E-05	45	0- 30	0.1017E-04	90-120	0.9874E-05
60-75.00	0.1271E-02	-7.5 TO 22.5	0.2462E-05	82.5-112.5	0.2349E-05	60	0- 30	0.6789E-05	90-120	0.6512E-05
75-88.57	0.1232E-02	-7.5 TO 22.5	0.7134E-06	82.5-112.5	0.6389E-06	75	0- 30	0.3093E-05	90-120	0.2880E-05
0-15.00	0.2693E-03	-7.5 TO 37.5	0.7432E-05	82.5-127.5	0.7386E-05	0	0- 45	0.2266E-04	90-135	0.2266E-04
15-30.00	0.7895E-03	-7.5 TO 37.5	0.6865E-05	82.5-127.5	0.6765E-05	15	0- 45	0.2187E-04	90-135	0.2165E-04
30-45.00	0.1256E-02	-7.5 TO 37.5	0.5754E-05	82.5-127.5	0.5619E-05	30	0- 45	0.1929E-04	90-135	0.1890E-04
45-60.00	0.1637E-02	-7.5 TO 37.5	0.4229E-05	82.5-127.5	0.4087E-05	45	0- 45	0.1523E-04	90-135	0.1477E-04
60-75.00	0.1906E-02	-7.5 TO 37.5	0.2458E-05	82.5-127.5	0.2337E-05	60	0- 45	0.1016E-04	90-135	0.9729E-05
75-88.57	0.1848E-02	-7.5 TO 37.5	0.7107E-06	82.5-127.5	0.6309E-06	75	0- 45	0.4625E-05	90-135	0.4290E-05
0-15.00	0.3591E-03	-7.5 TO 52.5	0.7430E-05	82.5-142.5	0.7381E-05	0	0- 60	0.3021E-04	90-150	0.3021E-04
15-30.00	0.1053E-02	-7.5 TO 52.5	0.6860E-05	82.5-142.5	0.6756E-05	15	0- 60	0.2915E-04	90-150	0.2885E-04
30-45.00	0.1675E-02	-7.5 TO 52.5	0.5747E-05	82.5-142.5	0.5606E-05	30	0- 60	0.2569E-04	90-150	0.2516E-04
45-60.00	0.2182E-02	-7.5 TO 52.5	0.4222E-05	82.5-142.5	0.4074E-05	45	0- 60	0.2027E-04	90-150	0.1964E-04
60-75.00	0.2542E-02	-7.5 TO 52.5	0.2452E-05	82.5-142.5	0.2325E-05	60	0- 60	0.1352E-04	90-150	0.1293E-04
75-88.57	0.2464E-02	-7.5 TO 52.5	0.7067E-06	82.5-142.5	0.6235E-06	75	0- 60	0.6141E-05	90-150	0.5684E-05
0-15.00	0.4488E-03	-7.5 TO 67.5	0.7427E-05	82.5-157.5	0.7377E-05	0	0- 75	0.3776E-04	90-165	0.3776E-04
15-30.00	0.1316E-02	-7.5 TO 67.5	0.6853E-05	82.5-157.5	0.6748E-05	15	0- 75	0.3641E-04	90-165	0.3603E-04
30-45.00	0.2093E-02	-7.5 TO 67.5	0.5738E-05	82.5-157.5	0.5595E-05	30	0- 75	0.3207E-04	90-165	0.3141E-04
45-60.00	0.2728E-02	-7.5 TO 67.5	0.4213E-05	82.5-157.5	0.4062E-05	45	0- 75	0.2528E-04	90-165	0.2450E-04
60-75.00	0.3177E-02	-7.5 TO 67.5	0.2444E-05	82.5-157.5	0.2315E-05	60	0- 75	0.1685E-04	90-165	0.1611E-04
75-88.57	0.3080E-02	-7.5 TO 67.5	0.7015E-06	82.5-157.5	0.6171E-06	75	0- 75	0.7636E-05	90-165	0.7067E-05
0-15.00	0.5386E-03	-7.5 TO 82.5	0.7423E-05	82.5-172.5	0.7374E-05	0	0- 90	0.4532E-04	90-180	0.4532E-04
15-30.00	0.1579E-02	-7.5 TO 82.5	0.6846E-05	82.5-172.5	0.6741E-05	15	0- 90	0.4365E-04	90-180	0.4321E-04
30-45.00	0.2512E-02	-7.5 TO 82.5	0.5728E-05	82.5-172.5	0.5586E-05	30	0- 90	0.3842E-04	90-180	0.3765E-04
45-60.00	0.3274E-02	-7.5 TO 82.5	0.4202E-05	82.5-172.5	0.4053E-05	45	0- 90	0.3027E-04	90-180	0.2935E-04
60-75.00	0.3812E-02	-7.5 TO 82.5	0.2435E-05	82.5-172.5	0.2307E-05	60	0- 90	0.2015E-04	90-180	0.1928E-04
75-88.57	0.3696E-02	-7.5 TO 82.5	0.6953E-06	82.5-172.5	0.6117E-06	75	0- 90	0.9110E-05	90-180	0.8445E-05
0-15.00	0.6284E-03	-7.5 TO 97.5	0.7419E-05	82.5-187.5	0.7372E-05	0	0-105	0.5287E-04	90-195	0.5287E-04
15-30.00	0.1842E-02	-7.5 TO 97.5	0.6837E-05	82.5-187.5	0.6736E-05	15	0-105	0.5088E-04	90-195	0.5039E-04
30-45.00	0.2931E-02	-7.5 TO 97.5	0.5717E-05	82.5-187.5	0.5578E-05	30	0-105	0.4474E-04	90-195	0.4389E-04
45-60.00	0.3819E-02	-7.5 TO 97.5	0.4190E-05	82.5-187.5	0.4045E-05	45	0-105	0.3522E-04	90-195	0.3420E-04
60-75.00	0.4448E-02	-7.5 TO 97.5	0.2425E-05	82.5-187.5	0.2301E-05	60	0-105	0.2342E-04	90-195	0.2245E-04
75-88.57	0.4312E-02	-7.5 TO 97.5	0.6885E-06	82.5-187.5	0.6076E-06	75	0-105	0.1056E-04	90-195	0.9822E-05

$r_2/r_1 = 0.50$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0187$ $\cosh \mu_2 = 19.9625$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 132.93$

0-15.00	0.8577E-04	-7.5 TO 7.5	0.1478E-04	82.5- 97.5	0.1466E-04	0	0- 15	0.1497E-04	90-105	0.1497E-04
15-30.00	0.2632E-03	-7.5 TO 7.5	0.1371E-04	82.5- 97.5	0.1346E-04	15	0- 15	0.1452E-04	90-105	0.1433E-04
30-45.00	0.4167E-03	-7.5 TO 7.5	0.1154E-04	82.5- 97.5	0.1120E-04	30	0- 15	0.1287E-04	90-105	0.1253E-04
45-60.00	0.5456E-03	-7.5 TO 7.5	0.8520E-05	82.5- 97.5	0.8165E-05	45	0- 15	0.1021E-04	90-105	0.9805E-05
60-75.00	0.6354E-03	-7.5 TO 7.5	0.4986E-05	82.5- 97.5	0.4686E-05	60	0- 15	0.6852E-05	90-105	0.6472E-05
75-88.57	0.6160E-03	-7.5 TO 7.5	0.1479E-05	82.5- 97.5	0.1285E-05	75	0- 15	0.3156E-05	90-105	0.2869E-05
0-15.00	0.1795E-03	-7.5 TO 22.5	0.1478E-04	82.5-112.5	0.1465E-04	0	0- 30	0.2995E-04	90-120	0.2995E-04
15-30.00	0.5264E-03	-7.5 TO 22.5	0.1370E-04	82.5-112.5	0.1342E-04	15	0- 30	0.2904E-04	90-120	0.2862E-04
30-45.00	0.8373E-03	-7.5 TO 22.5	0.1153E-04	82.5-112.5	0.1115E-04	30	0- 30	0.2572E-04	90-120	0.2498E-04
45-60.00	0.1091E-02	-7.5 TO 22.5	0.8513E-05	82.5-112.5	0.8120E-05	45	0- 30	0.2039E-04	90-120	0.1952E-04
60-75.00	0.1271E-02	-7.5 TO 22.5	0.4981E-05	82.5-112.5	0.4648E-05	60	0- 30	0.1368E-04	90-120	0.1286E-04
75-88.57	0.1232E-02	-7.5 TO 22.5	0.1475E-05	82.5-112.5	0.1261E-05	75	0- 30	0.6295E-05	90-120	0.5675E-05
0-15.00	0.2693E-03	-7.5 TO 37.5	0.1477E-04	82.5-127.5	0.1463E-04	0	0- 45	0.4492E-04	90-135	0.4492E-04
15-30.00	0.7895E-03	-7.5 TO 37.5	0.1369E-04	82.5-127.5	0.1339E-04	15	0- 45	0.4353E-04	90-135	0.4296E-04
30-45.00	0.1256E-02	-7.5 TO 37.5	0.1152E-04	82.5-127.5	0.1111E-04	30	0- 45	0.3853E-04	90-135	0.3737E-04
45-60.00	0.1637E-02	-7.5 TO 37.5	0.8499E-05	82.5-127.5	0.8077E-05	45	0- 45	0.3053E-04	90-135	0.2916E-04
60-75.00	0.1906E-02	-7.5 TO 37.5	0.4969E-05	82.5-127.5	0.4612E-05	60	0- 45	0.2047E-04	90-135	0.1918E-04
75-88.57	0.1848E-02	-7.5 TO 37.5	0.1468E-05	82.5-127.5	0.1238E-05	75	0- 45	0.9400E-05	90-135	0.8425E-05
0-15.00	0.3591E-03	-7.5 TO 52.5	0.1477E-04	82.5-142.5	0.1462E-04	0	0- 60	0.5990E-04	90-150	0.5990E-04
15-30.00	0.1053E-02	-7.5 TO 52.5	0.1368E-04	82.5-142.5	0.1336E-04	15	0- 60	0.5798E-04	90-150	0.5708E-04
30-45.00	0.1675E-02	-7.5 TO 52.5	0.1150E-04	82.5-142.5	0.1108E-04	30	0- 60	0.5128E-04	90-150	0.4970E-04
45-60.00	0.2182E-02	-7.5 TO 52.5	0.8478E-05	82.5-142.5	0.8038E-05	45	0- 60	0.4060E-04	90-150	0.3873E-04
60-75.00	0.2542E-02	-7.5 TO 52.5	0.4951E-05	82.5-142.5	0.4579E-05	60	0- 60	0.2719E-04	90-150	0.2543E-04
75-88.57	0.2464E-02	-7.5 TO 52.5	0.1456E-05	82.5-142.5	0.1217E-05	75	0- 60	0.1246E-04	90-150	0.1113E-04
0-15.00	0.4488E-03	-7.5 TO 67.5	0.1476E-04	82.5-157.5	0.1461E-04	0	0- 75	0.7487E-04	90-165	0.7487E-04
15-30.00	0.1316E-02	-7.5 TO 67.5	0.1366E-04	82.5-157.5	0.1334E-04	15	0- 75	0.7240E-04	90-165	0.7127E-04
30-45.00	0.2093E-02	-7.5 TO 67.5	0.1147E-04	82.5-157.5	0.1104E-04	30	0- 75	0.6396E-04	90-165	0.6199E-04
45-60.00	0.2728E-02	-7.5 TO 67.5	0.8451E-05	82.5-157.5	0.8003E-05	45	0- 75	0.5059E-04	90-165	0.4825E-04
60-75.00	0.3177E-02	-7.5 TO 67.5	0.4928E-05	82.5-157.5	0.4550E-05	60	0- 75	0.3383E-04	90-165	0.3164E-04
75-88.57	0.3080E-02	-7.5 TO 67.5	0.1441E-05	82.5-157.5	0.1199E-05	75	0- 75	0.1545E-04	90-165	0.1380E-04
0-15.00	0.5386E-03	-7.5 TO 82.5	0.1475E-04	82.5-172.5	0.1460E-04	0	0- 90	0.8985E-04	90-180	0.8985E-04
15-30.00	0.1579E-02	-7.5 TO 82.5	0.1363E-04	82.5-172.5	0.1332E-04	15	0- 90	0.8678E-04	90-180	0.8545E-04
30-45.00	0.2512E-02	-7.5 TO 82.5	0.1144E-04	82.5-172.5	0.1101E-04	30	0- 90	0.7657E-04	90-180	0.7426E-04
45-60.00	0.3274E-02	-7.5 TO 82.5	0.8418E-05	82.5-172.5	0.7974E-05	45	0- 90	0.6036E-04	90-180	0.5775E-04
60-75.00	0.3812E-02	-7.5 TO 82.5	0.4900E-05	82.5-172.5	0.4526E-05	60	0- 90	0.4039E-04	90-180	0.3783E-04
75-88.57	0.3696E-02	-7.5 TO 82.5	0.1423E-05	82.5-172.5	0.1184E-05	75	0- 90	0.1839E-04	90-180	0.1646E-04
0-15.00	0.6284E-03	-7.5 TO 97.5	0.1473E-04	82.5-187.5	0.1459E-04	0	0-105	0.1048E-03	90-195	0.1048E-03
15-30.00	0.1842E-02	-7.5 TO 97.5	0.1361E-04	82.5-187.5	0.1330E-04	15	0-105	0.1011E-03	90-195	0.9963E-04
30-45.00	0.2931E-02	-7.5 TO 97.5	0.1141E-04	82.5-187.5	0.1099E-04	30	0-105	0.8910E-04	90-195	0.8654E-04
45-60.00	0.3819E-02	-7.5 TO 97.5	0.8382E-05	82.5-187.5	0.7952E-05	45	0-105	0.7029E-04	90-195	0.6725E-04
60-75.00	0.4448E-02	-7.5 TO 97.5	0.4870E-05	82.5-187.5	0.4507E-05	60	0-105	0.4686E-04	90-195	0.4402E-04
75-88.57	0.4312E-02	-7.5 TO 97.5	0.1403E-05	82.5-187.5	0.1173E-05	75	0-105	0.2126E-04	90-195	0.1912E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0187$ $\cosh \mu_2 = 19.9625$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 117.48$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8577E-04	-7.5 TO 7.5	0.2199E-04	82.5- 97.5	0.2175E-04	0	0- 15	0.2221E-04	90-105	0.2221E-04
15-30.00	0.2632E-03	-7.5 TO 7.5	0.2046E-04	82.5- 97.5	0.1996E-04	15	0- 15	0.2164E-04	90-105	0.2124E-04
30-45.00	0.4187E-03	-7.5 TO 7.5	0.1729E-04	82.5- 97.5	0.1661E-04	30	0- 15	0.1925E-04	90-105	0.1857E-04
45-60.00	0.5456E-03	-7.5 TO 7.5	0.1282E-04	82.5- 97.5	0.1211E-04	45	0- 15	0.1533E-04	90-105	0.1452E-04
60-75.00	0.6354E-03	-7.5 TO 7.5	0.7544E-05	82.5- 97.5	0.6954E-05	60	0- 15	0.1034E-04	90-105	0.9584E-05
75-88.57	0.6160E-03	-7.5 TO 7.5	0.2276E-05	82.5- 97.5	0.1909E-05	75	0- 15	0.4800E-05	90-105	0.4245E-05
0-15.00	0.1795E-03	-7.5 TO 22.5	0.2198E-04	82.5-112.5	0.2172E-04	0	0- 30	0.4442E-04	90-120	0.4442E-04
15-30.00	0.5264E-03	-7.5 TO 22.5	0.2045E-04	82.5-112.5	0.1989E-04	15	0- 30	0.4325E-04	90-120	0.4240E-04
30-45.00	0.8373E-03	-7.5 TO 22.5	0.1728E-04	82.5-112.5	0.1653E-04	30	0- 30	0.3846E-04	90-120	0.3698E-04
45-60.00	0.1091E-02	-7.5 TO 22.5	0.1281E-04	82.5-112.5	0.1203E-04	45	0- 30	0.3061E-04	90-120	0.2887E-04
60-75.00	0.1271E-02	-7.5 TO 22.5	0.7534E-05	82.5-112.5	0.6881E-05	60	0- 30	0.2063E-04	90-120	0.1900E-04
75-88.57	0.1232E-02	-7.5 TO 22.5	0.2269E-05	82.5-112.5	0.1864E-05	75	0- 30	0.9566E-05	90-120	0.8370E-05
0-15.00	0.2693E-03	-7.5 TO 37.5	0.2197E-04	82.5-127.5	0.2169E-04	0	0- 45	0.6663E-04	90-135	0.6663E-04
15-30.00	0.7895E-03	-7.5 TO 37.5	0.2043E-04	82.5-127.5	0.1983E-04	15	0- 45	0.6481E-04	90-135	0.6347E-04
30-45.00	0.1256E-02	-7.5 TO 37.5	0.1726E-04	82.5-127.5	0.1644E-04	30	0- 45	0.5759E-04	90-135	0.5526E-04
45-60.00	0.1637E-02	-7.5 TO 37.5	0.1278E-04	82.5-127.5	0.1194E-04	45	0- 45	0.4580E-04	90-135	0.4305E-04
60-75.00	0.1906E-02	-7.5 TO 37.5	0.7510E-05	82.5-127.5	0.6811E-05	60	0- 45	0.3083E-04	90-135	0.2828E-04
75-88.57	0.1848E-02	-7.5 TO 37.5	0.2254E-05	82.5-127.5	0.1822E-05	75	0- 45	0.1427E-04	90-135	0.1239E-04
0-15.00	0.3591E-03	-7.5 TO 52.5	0.2196E-04	82.5-142.5	0.2166E-04	0	0- 60	0.8884E-04	90-150	0.8884E-04
15-30.00	0.1053E-02	-7.5 TO 52.5	0.2040E-04	82.5-142.5	0.1978E-04	15	0- 60	0.8632E-04	90-150	0.8449E-04
30-45.00	0.1675E-02	-7.5 TO 52.5	0.1722E-04	82.5-142.5	0.1637E-04	30	0- 60	0.7661E-04	90-150	0.7342E-04
45-60.00	0.2182E-02	-7.5 TO 52.5	0.1274E-04	82.5-142.5	0.1186E-04	45	0- 60	0.6086E-04	90-150	0.5711E-04
60-75.00	0.2542E-02	-7.5 TO 52.5	0.7475E-05	82.5-142.5	0.6747E-05	60	0- 60	0.4090E-04	90-150	0.3743E-04
75-88.57	0.2464E-02	-7.5 TO 52.5	0.2232E-05	82.5-142.5	0.1783E-05	75	0- 60	0.1887E-04	90-150	0.1633E-04
0-15.00	0.4488E-03	-7.5 TO 67.5	0.2194E-04	82.5-157.5	0.2164E-04	0	0- 75	0.1111E-03	90-165	0.1111E-03
15-30.00	0.1316E-02	-7.5 TO 67.5	0.2037E-04	82.5-157.5	0.1973E-04	15	0- 75	0.1077E-03	90-165	0.1055E-03
30-45.00	0.2093E-02	-7.5 TO 67.5	0.1716E-04	82.5-157.5	0.1630E-04	30	0- 75	0.9568E-04	90-165	0.9151E-04
45-60.00	0.2728E-02	-7.5 TO 67.5	0.1268E-04	82.5-157.5	0.1179E-04	45	0- 75	0.7575E-04	90-165	0.7107E-04
60-75.00	0.3177E-02	-7.5 TO 67.5	0.7429E-05	82.5-157.5	0.6691E-05	60	0- 75	0.5083E-04	90-165	0.4650E-04
75-88.57	0.3080E-02	-7.5 TO 67.5	0.2204E-05	82.5-157.5	0.1750E-05	75	0- 75	0.2337E-04	90-165	0.2020E-04
0-15.00	0.5386E-03	-7.5 TO 82.5	0.2192E-04	82.5-172.5	0.2162E-04	0	0- 90	0.1333E-03	90-180	0.1333E-03
15-30.00	0.1579E-02	-7.5 TO 82.5	0.2032E-04	82.5-172.5	0.1969E-04	15	0- 90	0.1291E-03	90-180	0.1264E-03
30-45.00	0.2512E-02	-7.5 TO 82.5	0.1710E-04	82.5-172.5	0.1624E-04	30	0- 90	0.1142E-03	90-180	0.1096E-03
45-60.00	0.3274E-02	-7.5 TO 82.5	0.1262E-04	82.5-172.5	0.1174E-04	45	0- 90	0.9045E-04	90-180	0.8499E-04
60-75.00	0.3812E-02	-7.5 TO 82.5	0.7375E-05	82.5-172.5	0.6645E-05	60	0- 90	0.6058E-04	90-180	0.5553E-04
75-88.57	0.3696E-02	-7.5 TO 82.5	0.2170E-05	82.5-172.5	0.1722E-05	75	0- 90	0.2774E-04	90-180	0.2405E-04
0-15.00	0.6284E-03	-7.5 TO 97.5	0.2189E-04	82.5-187.5	0.2160E-04	0	0-105	0.1555E-03	90-195	0.1555E-03
15-30.00	0.1842E-02	-7.5 TO 97.5	0.2027E-04	82.5-187.5	0.1965E-04	15	0-105	0.1503E-03	90-195	0.1473E-03
30-45.00	0.2931E-02	-7.5 TO 97.5	0.1703E-04	82.5-187.5	0.1620E-04	30	0-105	0.1328E-03	90-195	0.1276E-03
45-60.00	0.3819E-02	-7.5 TO 97.5	0.1255E-04	82.5-187.5	0.1169E-04	45	0-105	0.1050E-03	90-195	0.9891E-04
60-75.00	0.4448E-02	-7.5 TO 97.5	0.7315E-05	82.5-187.5	0.6609E-05	60	0-105	0.7017E-04	90-195	0.6456E-04
75-88.57	0.4312E-02	-7.5 TO 97.5	0.2133E-05	82.5-187.5	0.1700E-05	75	0-105	0.3198E-04	90-195	0.2789E-04

$r_2/r_1 = 0.50$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0187$ $\cosh \mu_2 = 19.9625$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 102.21$

0-15.00	0.8577E-04	-7.5 TO 7.5	0.2709E-04	82.5- 97.5	0.2671E-04	0	0- 15	0.2727E-04	90-105	0.2727E-04
15-30.00	0.2632E-03	-7.5 TO 7.5	0.2532E-04	82.5- 97.5	0.2451E-04	15	0- 15	0.2670E-04	90-105	0.2607E-04
30-45.00	0.4187E-03	-7.5 TO 7.5	0.2149E-04	82.5- 97.5	0.2040E-04	30	0- 15	0.2387E-04	90-105	0.2277E-04
45-60.00	0.5456E-03	-7.5 TO 7.5	0.1600E-04	82.5- 97.5	0.1488E-04	45	0- 15	0.1909E-04	90-105	0.1781E-04
60-75.00	0.6354E-03	-7.5 TO 7.5	0.9451E-05	82.5- 97.5	0.8546E-05	60	0- 15	0.1292E-04	90-105	0.1175E-04
75-88.57	0.6160E-03	-7.5 TO 7.5	0.2883E-05	82.5- 97.5	0.2348E-05	75	0- 15	0.6035E-05	90-105	0.5201E-05
0-15.00	0.1795E-03	-7.5 TO 22.5	0.2708E-04	82.5-112.5	0.2666E-04	0	0- 30	0.5455E-04	90-120	0.5455E-04
15-30.00	0.5264E-03	-7.5 TO 22.5	0.2530E-04	82.5-112.5	0.2441E-04	15	0- 30	0.5336E-04	90-120	0.5200E-04
30-45.00	0.8373E-03	-7.5 TO 22.5	0.2147E-04	82.5-112.5	0.2027E-04	30	0- 30	0.4767E-04	90-120	0.4530E-04
45-60.00	0.1091E-02	-7.5 TO 22.5	0.1598E-04	82.5-112.5	0.1474E-04	45	0- 30	0.3810E-04	90-120	0.3533E-04
60-75.00	0.1271E-02	-7.5 TO 22.5	0.9436E-05	82.5-112.5	0.8434E-05	60	0- 30	0.2577E-04	90-120	0.2324E-04
75-88.57	0.1232E-02	-7.5 TO 22.5	0.2873E-05	82.5-112.5	0.2284E-05	75	0- 30	0.1202E-04	90-120	0.1023E-04
0-15.00	0.2693E-03	-7.5 TO 37.5	0.2707E-04	82.5-127.5	0.2661E-04	0	0- 45	0.8182E-04	90-135	0.8182E-04
15-30.00	0.7895E-03	-7.5 TO 37.5	0.2527E-04	82.5-127.5	0.2431E-04	15	0- 45	0.7995E-04	90-135	0.7780E-04
30-45.00	0.1256E-02	-7.5 TO 37.5	0.2143E-04	82.5-127.5	0.2014E-04	30	0- 45	0.7134E-04	90-135	0.6762E-04
45-60.00	0.1637E-02	-7.5 TO 37.5	0.1593E-04	82.5-127.5	0.1461E-04	45	0- 45	0.5696E-04	90-135	0.5261E-04
60-75.00	0.1906E-02	-7.5 TO 37.5	0.9399E-05	82.5-127.5	0.8327E-05	60	0- 45	0.3847E-04	90-135	0.3451E-04
75-88.57	0.1848E-02	-7.5 TO 37.5	0.2851E-05	82.5-127.5	0.2223E-05	75	0- 45	0.1790E-04	90-135	0.1510E-04
0-15.00	0.3591E-03	-7.5 TO 52.5	0.2704E-04	82.5-142.5	0.2657E-04	0	0- 60	0.1091E-03	90-150	0.1091E-03
15-30.00	0.1053E-02	-7.5 TO 52.5	0.2523E-04	82.5-142.5	0.2422E-04	15	0- 60	0.1064E-03	90-150	0.1035E-03
30-45.00	0.1675E-02	-7.5 TO 52.5	0.2136E-04	82.5-142.5	0.2002E-04	30	0- 60	0.9483E-04	90-150	0.8976E-04
45-60.00	0.2182E-02	-7.5 TO 52.5	0.1587E-04	82.5-142.5	0.1449E-04	45	0- 60	0.7560E-04	90-150	0.6968E-04
60-75.00	0.2542E-02	-7.5 TO 52.5	0.9344E-05	82.5-142.5	0.8231E-05	60	0- 60	0.5099E-04	90-150	0.4560E-04
75-88.57	0.2464E-02	-7.5 TO 52.5	0.2819E-05	82.5-142.5	0.2168E-05	75	0- 60	0.2364E-04	90-150	0.1984E-04
0-15.00	0.4488E-03	-7.5 TO 67.5	0.2701E-04	82.5-157.5	0.2653E-04	0	0- 75	0.1364E-03	90-165	0.1364E-03
15-30.00	0.1316E-02	-7.5 TO 67.5	0.2516E-04	82.5-157.5	0.2414E-04	15	0- 75	0.1328E-03	90-165	0.1291E-03
30-45.00	0.2093E-02	-7.5 TO 67.5	0.2128E-04	82.5-157.5	0.1991E-04	30	0- 75	0.1181E-03	90-165	0.1118E-03
45-60.00	0.2728E-02	-7.5 TO 67.5	0.1578E-04	82.5-157.5	0.1438E-04	45	0- 75	0.9399E-04	90-165	0.8661E-04
60-75.00	0.3177E-02	-7.5 TO 67.5	0.9274E-05	82.5-157.5	0.8146E-05	60	0- 75	0.6326E-04	90-165	0.5656E-04
75-88.57	0.3080E-02	-7.5 TO 67.5	0.2777E-05	82.5-157.5	0.2120E-05	75	0- 75	0.2922E-04	90-165	0.2450E-04
0-15.00	0.5386E-03	-7.5 TO 82.5	0.2698E-04	82.5-172.5	0.2650E-04	0	0- 90	0.1636E-03	90-180	0.1636E-03
15-30.00	0.1579E-02	-7.5 TO 82.5	0.2509E-04	82.5-172.5	0.2407E-04	15	0- 90	0.1590E-03	90-180	0.1547E-03
30-45.00	0.2512E-02	-7.5 TO 82.5	0.2118E-04	82.5-172.5	0.1982E-04	30	0- 90	0.1411E-03	90-180	0.1337E-03
45-60.00	0.3274E-02	-7.5 TO 82.5	0.1568E-04	82.5-172.5	0.1429E-04	45	0- 90	0.1121E-03	90-180	0.1035E-03
60-75.00	0.3812E-02	-7.5 TO 82.5	0.9191E-05	82.5-172.5	0.8076E-05	60	0- 90	0.7528E-04	90-180	0.6745E-04
75-88.57	0.3696E-02	-7.5 TO 82.5	0.2727E-05	82.5-172.5	0.2081E-05	75	0- 90	0.3460E-04	90-180	0.2911E-04
0-15.00	0.6284E-03	-7.5 TO 97.5	0.2694E-04	82.5-187.5	0.2648E-04	0	0-105	0.1909E-03	90-195	0.1909E-03
15-30.00	0.1842E-02	-7.5 TO 97.5	0.2501E-04	82.5-187.5	0.2402E-04	15	0-105	0.1851E-03	90-195	0.1803E-03
30-45.00	0.2931E-02	-7.5 TO 97.5	0.2107E-04	82.5-187.5	0.1976E-04	30	0-105	0.1639E-03	90-195	0.1557E-03
45-60.00	0.3819E-02	-7.5 TO 97.5	0.1556E-04	82.5-187.5	0.1423E-04	45	0-105	0.1299E-03	90-195	0.1203E-03
60-75.00	0.4448E-02	-7.5 TO 97.5	0.9098E-05	82.5-187.5	0.8022E-05	60	0-105	0.8702E-04	90-195	0.7834E-04
75-88.57	0.4312E-02	-7.5 TO 97.5	0.2673E-05	82.5-187.5	0.2050E-05	75	0-105	0.3981E-04	90-195	0.3372E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0187$ $\cosh \mu_2 = 19.9625$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 87.13$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8577E-04	-7.5 TO 7.5	0.2877E-04	82.5- 97.5	0.2826E-04	0	0- 15	0.2886E-04	90-105	0.2886E-04
15-30.00	0.2632E-03	-7.5 TO 7.5	0.2702E-04	82.5- 97.5	0.2593E-04	15	0- 15	0.2841E-04	90-105	0.2756E-04
30-45.00	0.4187E-03	-7.5 TO 7.5	0.2305E-04	82.5- 97.5	0.2159E-04	30	0- 15	0.2553E-04	90-105	0.2406E-04
45-60.00	0.5496E-03	-7.5 TO 7.5	0.1723E-04	82.5- 97.5	0.1575E-04	45	0- 15	0.2052E-04	90-105	0.1881E-04
60-75.00	0.6354E-03	-7.5 TO 7.5	0.1021E-04	82.5- 97.5	0.9046E-05	60	0- 15	0.1394E-04	90-105	0.1240E-04
75-88.57	0.6160E-03	-7.5 TO 7.5	0.3131E-05	82.5- 97.5	0.2487E-05	75	0- 15	0.6535E-05	90-105	0.5491E-05
0-15.00	0.1795E-03	-7.5 TO 22.5	0.2876E-04	82.5-112.5	0.2819E-04	0	0- 30	0.5771E-04	90-120	0.5771E-04
15-30.00	0.5264E-03	-7.5 TO 22.5	0.2700E-04	82.5-112.5	0.2580E-04	15	0- 30	0.5676E-04	90-120	0.5494E-04
30-45.00	0.8373E-03	-7.5 TO 22.5	0.2302E-04	82.5-112.5	0.2141E-04	30	0- 30	0.5097E-04	90-120	0.4780E-04
45-60.00	0.1091E-02	-7.5 TO 22.5	0.1720E-04	82.5-112.5	0.1557E-04	45	0- 30	0.4093E-04	90-120	0.3725E-04
60-75.00	0.1271E-02	-7.5 TO 22.5	0.1019E-04	82.5-112.5	0.8904E-05	60	0- 30	0.2778E-04	90-120	0.2448E-04
75-88.57	0.1232E-02	-7.5 TO 22.5	0.3119E-05	82.5-112.5	0.2411E-05	75	0- 30	0.1300E-04	90-120	0.1077E-04
0-15.00	0.2653E-03	-7.5 TO 37.5	0.2874E-04	82.5-127.5	0.2813E-04	0	0- 45	0.8657E-04	90-135	0.8657E-04
15-30.00	0.7855E-03	-7.5 TO 37.5	0.2696E-04	82.5-127.5	0.2567E-04	15	0- 45	0.8502E-04	90-135	0.8214E-04
30-45.00	0.1256E-02	-7.5 TO 37.5	0.2296E-04	82.5-127.5	0.2124E-04	30	0- 45	0.7624E-04	90-135	0.7126E-04
45-60.00	0.1637E-02	-7.5 TO 37.5	0.1714E-04	82.5-127.5	0.1540E-04	45	0- 45	0.6113E-04	90-135	0.5536E-04
60-75.00	0.1906E-02	-7.5 TO 37.5	0.1015E-04	82.5-127.5	0.8772E-05	60	0- 45	0.4144E-04	90-135	0.3628E-04
75-88.57	0.1848E-02	-7.5 TO 37.5	0.3093E-05	82.5-127.5	0.2340E-05	75	0- 45	0.1935E-04	90-135	0.1586E-04
0-15.00	0.3591E-03	-7.5 TO 52.5	0.2871E-04	82.5-142.5	0.2807E-04	0	0- 60	0.1154E-03	90-150	0.1154E-03
15-30.00	0.1053E-02	-7.5 TO 52.5	0.2689E-04	82.5-142.5	0.2555E-04	15	0- 60	0.1131E-03	90-150	0.1092E-03
30-45.00	0.1675E-02	-7.5 TO 52.5	0.2288E-04	82.5-142.5	0.2108E-04	30	0- 60	0.1013E-03	90-150	0.9449E-04
45-60.00	0.2182E-02	-7.5 TO 52.5	0.1705E-04	82.5-142.5	0.1524E-04	45	0- 60	0.8105E-04	90-150	0.7322E-04
60-75.00	0.2542E-02	-7.5 TO 52.5	0.1008E-04	82.5-142.5	0.8652E-05	60	0- 60	0.5484E-04	90-150	0.4785E-04
75-88.57	0.2464E-02	-7.5 TO 52.5	0.3053E-05	82.5-142.5	0.2277E-05	75	0- 60	0.2551E-04	90-150	0.2080E-04
0-15.00	0.4488E-03	-7.5 TO 67.5	0.2867E-04	82.5-157.5	0.2802E-04	0	0- 75	0.1443E-03	90-165	0.1443E-03
15-30.00	0.1316E-02	-7.5 TO 67.5	0.2681E-04	82.5-157.5	0.2544E-04	15	0- 75	0.1411E-03	90-165	0.1362E-03
30-45.00	0.2093E-02	-7.5 TO 67.5	0.2276E-04	82.5-157.5	0.2094E-04	30	0- 75	0.1260E-03	90-165	0.1176E-03
45-60.00	0.2728E-02	-7.5 TO 67.5	0.1694E-04	82.5-157.5	0.1511E-04	45	0- 75	0.1006E-03	90-165	0.9090E-04
60-75.00	0.3177E-02	-7.5 TO 67.5	0.9983E-05	82.5-157.5	0.8548E-05	60	0- 75	0.6793E-04	90-165	0.5926E-04
75-88.57	0.3080E-02	-7.5 TO 67.5	0.3002E-05	82.5-157.5	0.2222E-05	75	0- 75	0.3146E-04	90-165	0.2564E-04
0-15.00	0.5386E-03	-7.5 TO 82.5	0.2862E-04	82.5-172.5	0.2798E-04	0	0- 90	0.1731E-03	90-180	0.1731E-03
15-30.00	0.1579E-02	-7.5 TO 82.5	0.2671E-04	82.5-172.5	0.2536E-04	15	0- 90	0.1688E-03	90-180	0.1631E-03
30-45.00	0.2512E-02	-7.5 TO 82.5	0.2263E-04	82.5-172.5	0.2083E-04	30	0- 90	0.1504E-03	90-180	0.1405E-03
45-60.00	0.3274E-02	-7.5 TO 82.5	0.1680E-04	82.5-172.5	0.1500E-04	45	0- 90	0.1198E-03	90-180	0.1085E-03
60-75.00	0.3812E-02	-7.5 TO 82.5	0.9876E-05	82.5-172.5	0.8462E-05	60	0- 90	0.8068E-04	90-180	0.7059E-04
75-88.57	0.3696E-02	-7.5 TO 82.5	0.2942E-05	82.5-172.5	0.2177E-05	75	0- 90	0.3718E-04	90-180	0.3043E-04
0-15.00	0.6284E-03	-7.5 TO 97.5	0.2857E-04	82.5-187.5	0.2795E-04	0	0-105	0.2020E-03	90-195	0.2020E-03
15-30.00	0.1842E-02	-7.5 TO 97.5	0.2660E-04	82.5-187.5	0.2529E-04	15	0-105	0.1964E-03	90-195	0.1901E-03
30-45.00	0.2931E-02	-7.5 TO 97.5	0.2248E-04	82.5-187.5	0.2074E-04	30	0-105	0.1744E-03	90-195	0.1635E-03
45-60.00	0.3819E-02	-7.5 TO 97.5	0.1665E-04	82.5-187.5	0.1491E-04	45	0-105	0.1386E-03	90-195	0.1261E-03
60-75.00	0.4448E-02	-7.5 TO 97.5	0.9757E-05	82.5-187.5	0.8396E-05	60	0-105	0.9308E-04	90-195	0.8192E-04
75-88.57	0.4312E-02	-7.5 TO 97.5	0.2877E-05	82.5-187.5	0.2143E-05	75	0-105	0.4267E-04	90-195	0.3521E-04

$r_2/r_1 = 0.50$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0187$ $\cosh \mu_2 = 19.9625$ $\alpha_{2,max} = 91.43$ $\theta_{2,min} = 85.70$

0-15.00	0.8577E-04	-7.5 TO 7.5	0.2877E-04	82.5- 97.5	0.2826E-04	0	0- 15	0.2886E-04	90-105	0.2886E-04
15-30.00	0.2632E-03	-7.5 TO 7.5	0.2702E-04	82.5- 97.5	0.2593E-04	15	0- 15	0.2841E-04	90-105	0.2756E-04
30-45.00	0.4187E-03	-7.5 TO 7.5	0.2305E-04	82.5- 97.5	0.2159E-04	30	0- 15	0.2553E-04	90-105	0.2406E-04
45-60.00	0.5496E-03	-7.5 TO 7.5	0.1723E-04	82.5- 97.5	0.1575E-04	45	0- 15	0.2052E-04	90-105	0.1881E-04
60-75.00	0.6354E-03	-7.5 TO 7.5	0.1022E-04	82.5- 97.5	0.9046E-05	60	0- 15	0.1394E-04	90-105	0.1240E-04
75-88.57	0.6160E-03	-7.5 TO 7.5	0.3133E-05	82.5- 97.5	0.2487E-05	75	0- 15	0.6539E-05	90-105	0.5491E-05
0-15.00	0.1795E-03	-7.5 TO 22.5	0.2876E-04	82.5-112.5	0.2819E-04	0	0- 30	0.5771E-04	90-120	0.5771E-04
15-30.00	0.5264E-03	-7.5 TO 22.5	0.2700E-04	82.5-112.5	0.2580E-04	15	0- 30	0.5676E-04	90-120	0.5494E-04
30-45.00	0.8373E-03	-7.5 TO 22.5	0.2302E-04	82.5-112.5	0.2141E-04	30	0- 30	0.5097E-04	90-120	0.4780E-04
45-60.00	0.1091E-02	-7.5 TO 22.5	0.1721E-04	82.5-112.5	0.1557E-04	45	0- 30	0.4093E-04	90-120	0.3725E-04
60-75.00	0.1271E-02	-7.5 TO 22.5	0.1020E-04	82.5-112.5	0.8904E-05	60	0- 30	0.2779E-04	90-120	0.2448E-04
75-88.57	0.1232E-02	-7.5 TO 22.5	0.3121E-05	82.5-112.5	0.2411E-05	75	0- 30	0.1301E-04	90-120	0.1077E-04
0-15.00	0.2653E-03	-7.5 TO 37.5	0.2874E-04	82.5-127.5	0.2813E-04	0	0- 45	0.8657E-04	90-135	0.8657E-04
15-30.00	0.7855E-03	-7.5 TO 37.5	0.2696E-04	82.5-127.5	0.2567E-04	15	0- 45	0.8502E-04	90-135	0.8214E-04
30-45.00	0.1256E-02	-7.5 TO 37.5	0.2297E-04	82.5-127.5	0.2124E-04	30	0- 45	0.7624E-04	90-135	0.7126E-04
45-60.00	0.1637E-02	-7.5 TO 37.5	0.1715E-04	82.5-127.5	0.1540E-04	45	0- 45	0.6114E-04	90-135	0.5536E-04
60-75.00	0.1906E-02	-7.5 TO 37.5	0.1015E-04	82.5-127.5	0.8772E-05	60	0- 45	0.4145E-04	90-135	0.3628E-04
75-88.57	0.1848E-02	-7.5 TO 37.5	0.3094E-05	82.5-127.5	0.2340E-05	75	0- 45	0.1935E-04	90-135	0.1586E-04
0-15.00	0.3591E-03	-7.5 TO 52.5	0.2871E-04	82.5-142.5	0.2807E-04	0	0- 60	0.1154E-03	90-150	0.1154E-03
15-30.00	0.1053E-02	-7.5 TO 52.5	0.2689E-04	82.5-142.5	0.2555E-04	15	0- 60	0.1131E-03	90-150	0.1092E-03
30-45.00	0.1675E-02	-7.5 TO 52.5	0.2288E-04	82.5-142.5	0.2108E-04	30	0- 60	0.1013E-03	90-150	0.9449E-04
45-60.00	0.2182E-02	-7.5 TO 52.5	0.1706E-04	82.5-142.5	0.1524E-04	45	0- 60	0.8106E-04	90-150	0.7322E-04
60-75.00	0.2542E-02	-7.5 TO 52.5	0.1008E-04	82.5-142.5	0.8652E-05	60	0- 60	0.5485E-04	90-150	0.4785E-04
75-88.57	0.2464E-02	-7.5 TO 52.5	0.3054E-05	82.5-142.5	0.2277E-05	75	0- 60	0.2552E-04	90-150	0.2080E-04
0-15.00	0.4488E-03	-7.5 TO 67.5	0.2867E-04	82.5-157.5	0.2802E-04	0	0- 75	0.1443E-03	90-165	0.1443E-03
15-30.00	0.1316E-02	-7.5 TO 67.5	0.2681E-04	82.5-157.5	0.2544E-04	15	0- 75	0.1411E-03	90-165	0.1362E-03
30-45.00	0.2093E-02	-7.5 TO 67.5	0.2276E-04	82.5-157.5	0.2094E-04	30	0- 75	0.1260E-03	90-165	0.1176E-03
45-60.00	0.2728E-02	-7.5 TO 67.5	0.1694E-04	82.5-157.5	0.1511E-04	45	0- 75	0.1006E-03	90-165	0.9090E-04
60-75.00	0.3177E-02	-7.5 TO 67.5	0.9986E-05	82.5-157.5	0.8548E-05	60	0- 75	0.6794E-04	90-165	0.5926E-04
75-88.57	0.3080E-02	-7.5 TO 67.5	0.3003E-05	82.5-157.5	0.2222E-05	75	0- 75	0.3147E-04	90-165	0.2564E-04
0-15.00	0.5386E-03	-7.5 TO 82.5	0.2862E-04	82.5-172.5	0.2798E-04	0	0- 90	0.1731E-03	90-180	0.1731E-03
15-30.00	0.1579E-02	-7.5 TO 82.5	0.2671E-04	82.5-172.5	0.2536E-04	15	0- 90	0.1688E-03	90-180	0.1631E-03
30-45.00	0.2512E-02	-7.5 TO 82.5	0.2263E-04	82.5-172.5	0.2083E-04	30	0- 90	0.1504E-03	90-180	0.1405E-03
45-60.00	0.3274E-02	-7.5 TO 82.5	0.1680E-04	82.5-172.5	0.1500E-04	45	0- 90	0.1198E-03	90-180	0.1085E-03
60-75.00	0.3812E-02	-7.5 TO 82.5	0.9877E-05	82.5-172.5	0.8462E-05	60	0- 90	0.8068E-04	90-180	0.7059E-04
75-88.57	0.3696E-02	-7.5 TO 82.5	0.2943E-05	82.5-172.5	0.2177E-05	75	0- 90	0.3719E-04	90-180	0.3043E-04
0-15.00	0.6284E-03	-7.5 TO 97.5	0.2857E-04	82.5-187.5	0.2795E-04	0	0-105	0.2020E-03	90-195	0.2020E-03
15-30.00	0.1842E-02	-7.5 TO 97.5	0.2660E-04	82.5-187.5	0.2529E-04	15	0-105	0.1964E-03	90-195	0.1901E-03
30-45.00	0.2931E-02	-7.5 TO 97.5	0.2248E-04	82.5-187.5	0.2074E-04	30	0-105	0.1744E-03	90-195	0.1635E-03
45-60.00	0.3819E-02	-7.5 TO 97.5	0.1665E-04	82.5-187.5	0.1491E-04	45	0-105	0.1386E-03	90-195	0.1261E-03
60-75.00	0.4448E-02	-7.5 TO 97.5	0.9759E-05	82.5-187.5	0.8396E-05	60	0-105	0.9309E-04	90-195	0.8192E-04
75-88.57	0.4312E-02	-7.5 TO 97.5	0.2878E-05	82.5-187.5	0.2143E-05	75	0-105	0.4268E-04	90-195	0.3521E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0075$ $\cosh \mu_2 = 49.9850$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.70$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.2912E-06	82.5- 97.5	0.2910E-06	0	0- 15	0.2964E-06	90-105	0.2964E-06
15-30.00	0.4189E-04	-7.5 TO 7.5	0.2702E-06	82.5- 97.5	0.2696E-06	15	0- 15	0.2859E-06	90-105	0.2855E-06
30-45.00	0.6663E-04	-7.5 TO 7.5	0.2296E-06	82.5- 97.5	0.2288E-06	30	0- 15	0.2545E-06	90-105	0.2536E-06
45-60.00	0.8684E-04	-7.5 TO 7.5	0.1731E-06	82.5- 97.5	0.1722E-06	45	0- 15	0.2049E-06	90-105	0.2039E-06
60-75.00	0.1011E-03	-7.5 TO 7.5	0.1054E-06	82.5- 97.5	0.1046E-06	60	0- 15	0.1416E-06	90-105	0.1406E-06
75-89.43	0.1043E-03	-7.5 TO 7.5	0.3365E-07	82.5- 97.5	0.3308E-07	75	0- 15	0.6966E-07	90-105	0.6883E-07
0-15.00	0.2857E-04	-7.5 TO 22.5	0.2912E-06	82.5-112.5	0.2909E-06	0	0- 30	0.5929E-06	90-120	0.5929E-06
15-30.00	0.8378E-04	-7.5 TO 22.5	0.2702E-06	82.5-112.5	0.2695E-06	15	0- 30	0.5718E-06	90-120	0.5708E-06
30-45.00	0.1333E-03	-7.5 TO 22.5	0.2296E-06	82.5-112.5	0.2287E-06	30	0- 30	0.5089E-06	90-120	0.5071E-06
45-60.00	0.1737E-03	-7.5 TO 22.5	0.1731E-06	82.5-112.5	0.1721E-06	45	0- 30	0.4098E-06	90-120	0.4076E-06
60-75.00	0.2023E-03	-7.5 TO 22.5	0.1054E-06	82.5-112.5	0.1045E-06	60	0- 30	0.2831E-06	90-120	0.2809E-06
75-89.43	0.2087E-03	-7.5 TO 22.5	0.3364E-07	82.5-112.5	0.3301E-07	75	0- 30	0.1393E-06	90-120	0.1375E-06
0-15.00	0.4286E-04	-7.5 TO 37.5	0.2912E-06	82.5-127.5	0.2909E-06	0	0- 45	0.8893E-06	90-135	0.8893E-06
15-30.00	0.1257E-03	-7.5 TO 37.5	0.2702E-06	82.5-127.5	0.2694E-06	15	0- 45	0.8576E-06	90-135	0.8561E-06
30-45.00	0.1999E-03	-7.5 TO 37.5	0.2296E-06	82.5-127.5	0.2286E-06	30	0- 45	0.7632E-06	90-135	0.7604E-06
45-60.00	0.2605E-03	-7.5 TO 37.5	0.1731E-06	82.5-127.5	0.1720E-06	45	0- 45	0.6145E-06	90-135	0.6110E-06
60-75.00	0.3034E-03	-7.5 TO 37.5	0.1054E-06	82.5-127.5	0.1044E-06	60	0- 45	0.4245E-06	90-135	0.4210E-06
75-89.43	0.3130E-03	-7.5 TO 37.5	0.3362E-07	82.5-127.5	0.3294E-07	75	0- 45	0.2088E-06	90-135	0.2060E-06
0-15.00	0.5715E-04	-7.5 TO 52.5	0.2912E-06	82.5-142.5	0.2909E-06	0	0- 60	0.1186E-05	90-150	0.1186E-05
15-30.00	0.1676E-03	-7.5 TO 52.5	0.2701E-06	82.5-142.5	0.2694E-06	15	0- 60	0.1143E-05	90-150	0.1141E-05
30-45.00	0.2665E-03	-7.5 TO 52.5	0.2295E-06	82.5-142.5	0.2285E-06	30	0- 60	0.1017E-05	90-150	0.1014E-05
45-60.00	0.3474E-03	-7.5 TO 52.5	0.1730E-06	82.5-142.5	0.1719E-06	45	0- 60	0.8191E-06	90-150	0.8143E-06
60-75.00	0.4045E-03	-7.5 TO 52.5	0.1054E-06	82.5-142.5	0.1043E-06	60	0- 60	0.5657E-06	90-150	0.5610E-06
75-89.43	0.4173E-03	-7.5 TO 52.5	0.3358E-07	82.5-142.5	0.3287E-07	75	0- 60	0.2782E-06	90-150	0.2743E-06
0-15.00	0.7144E-04	-7.5 TO 67.5	0.2912E-06	82.5-157.5	0.2908E-06	0	0- 75	0.1482E-05	90-165	0.1482E-05
15-30.00	0.2094E-03	-7.5 TO 67.5	0.2701E-06	82.5-157.5	0.2693E-06	15	0- 75	0.1429E-05	90-165	0.1426E-05
30-45.00	0.3332E-03	-7.5 TO 67.5	0.2295E-06	82.5-157.5	0.2284E-06	30	0- 75	0.1271E-05	90-165	0.1267E-05
45-60.00	0.4342E-03	-7.5 TO 67.5	0.1729E-06	82.5-157.5	0.1718E-06	45	0- 75	0.1023E-05	90-165	0.1018E-05
60-75.00	0.5056E-03	-7.5 TO 67.5	0.1053E-06	82.5-157.5	0.1042E-06	60	0- 75	0.7067E-06	90-165	0.7008E-06
75-89.43	0.5216E-03	-7.5 TO 67.5	0.3354E-07	82.5-157.5	0.3281E-07	75	0- 75	0.3474E-06	90-165	0.3426E-06
0-15.00	0.8572E-04	-7.5 TO 82.5	0.2912E-06	82.5-172.5	0.2908E-06	0	0- 90	0.1779E-05	90-180	0.1779E-05
15-30.00	0.2513E-03	-7.5 TO 82.5	0.2700E-06	82.5-172.5	0.2693E-06	15	0- 90	0.1715E-05	90-180	0.1711E-05
30-45.00	0.3998E-03	-7.5 TO 82.5	0.2294E-06	82.5-172.5	0.2283E-06	30	0- 90	0.1525E-05	90-180	0.1520E-05
45-60.00	0.5210E-03	-7.5 TO 82.5	0.1729E-06	82.5-172.5	0.1717E-06	45	0- 90	0.1228E-05	90-180	0.1221E-05
60-75.00	0.6068E-03	-7.5 TO 82.5	0.1052E-06	82.5-172.5	0.1042E-06	60	0- 90	0.8475E-06	90-180	0.8406E-06
75-89.43	0.6260E-03	-7.5 TO 82.5	0.3349E-07	82.5-172.5	0.3277E-07	75	0- 90	0.4164E-06	90-180	0.4108E-06
0-15.00	0.1000E-03	-7.5 TO 97.5	0.2911E-06	82.5-187.5	0.2908E-06	0	0-105	0.2075E-05	90-195	0.2075E-05
15-30.00	0.2932E-03	-7.5 TO 97.5	0.2700E-06	82.5-187.5	0.2692E-06	15	0-105	0.2000E-05	90-195	0.1997E-05
30-45.00	0.4664E-03	-7.5 TO 97.5	0.2293E-06	82.5-187.5	0.2283E-06	30	0-105	0.1779E-05	90-195	0.1773E-05
45-60.00	0.6079E-03	-7.5 TO 97.5	0.1728E-06	82.5-187.5	0.1717E-06	45	0-105	0.1431E-05	90-195	0.1424E-05
60-75.00	0.7079E-03	-7.5 TO 97.5	0.1051E-06	82.5-187.5	0.1041E-06	60	0-105	0.9881E-06	90-195	0.9804E-06
75-89.43	0.7303E-03	-7.5 TO 97.5	0.3343E-07	82.5-187.5	0.3273E-07	75	0-105	0.4852E-06	90-195	0.4790E-06

$r_2/r_1 = 0.50$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0075$ $\cosh \mu_2 = 49.9850$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 149.42$

0-15.00	0.1429E-04	-7.5 TO 7.5	0.1086E-05	82.5- 97.5	0.1084E-05	0	0- 15	0.1104E-05	90-105	0.1104E-05
15-30.00	0.4189E-04	-7.5 TO 7.5	0.1009E-05	82.5- 97.5	0.1004E-05	15	0- 15	0.1066E-05	90-105	0.1063E-05
30-45.00	0.6663E-04	-7.5 TO 7.5	0.8584E-06	82.5- 97.5	0.8521E-06	30	0- 15	0.9505E-06	90-105	0.9443E-06
45-60.00	0.8684E-04	-7.5 TO 7.5	0.6482E-06	82.5- 97.5	0.6414E-06	45	0- 15	0.7665E-06	90-105	0.7590E-06
60-75.00	0.1011E-03	-7.5 TO 7.5	0.3958E-06	82.5- 97.5	0.3897E-06	60	0- 15	0.5306E-06	90-105	0.5231E-06
75-89.43	0.1043E-03	-7.5 TO 7.5	0.1274E-06	82.5- 97.5	0.1232E-06	75	0- 15	0.2621E-06	90-105	0.2560E-06
0-15.00	0.2857E-04	-7.5 TO 22.5	0.1086E-05	82.5-112.5	0.1083E-05	0	0- 30	0.2204E-05	90-120	0.2208E-05
15-30.00	0.8378E-04	-7.5 TO 22.5	0.1008E-05	82.5-112.5	0.1003E-05	15	0- 30	0.2133E-05	90-120	0.2125E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.8583E-06	82.5-112.5	0.8513E-06	30	0- 30	0.1901E-05	90-120	0.1887E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.6481E-06	82.5-112.5	0.6405E-06	45	0- 30	0.1533E-05	90-120	0.1516E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.3957E-06	82.5-112.5	0.3889E-06	60	0- 30	0.1061E-05	90-120	0.1044E-05
75-89.43	0.2087E-03	-7.5 TO 22.5	0.1273E-06	82.5-112.5	0.1227E-06	75	0- 30	0.5238E-06	90-120	0.5107E-06
0-15.00	0.4286E-04	-7.5 TO 37.5	0.1086E-05	82.5-127.5	0.1083E-05	0	0- 45	0.3312E-05	90-135	0.3312E-05
15-30.00	0.1257E-03	-7.5 TO 37.5	0.1008E-05	82.5-127.5	0.1003E-05	15	0- 45	0.3198E-05	90-135	0.3186E-05
30-45.00	0.1999E-03	-7.5 TO 37.5	0.8580E-06	82.5-127.5	0.8505E-06	30	0- 45	0.2850E-05	90-135	0.2829E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.6478E-06	82.5-127.5	0.6397E-06	45	0- 45	0.2298E-05	90-135	0.2272E-05
60-75.00	0.3034E-03	-7.5 TO 37.5	0.3956E-06	82.5-127.5	0.3882E-06	60	0- 45	0.1590E-05	90-135	0.1564E-05
75-89.43	0.3130E-03	-7.5 TO 37.5	0.1271E-06	82.5-127.5	0.1222E-06	75	0- 45	0.7849E-06	90-135	0.7642E-06
0-15.00	0.5715E-04	-7.5 TO 52.5	0.1085E-05	82.5-142.5	0.1083E-05	0	0- 60	0.4416E-05	90-150	0.4416E-05
15-30.00	0.1676E-03	-7.5 TO 52.5	0.1008E-05	82.5-142.5	0.1002E-05	15	0- 60	0.4264E-05	90-150	0.4247E-05
30-45.00	0.2665E-03	-7.5 TO 52.5	0.8577E-06	82.5-142.5	0.8498E-06	30	0- 60	0.3798E-05	90-150	0.3769E-05
45-60.00	0.3474E-03	-7.5 TO 52.5	0.6474E-06	82.5-142.5	0.6389E-06	45	0- 60	0.3062E-05	90-150	0.3026E-05
60-75.00	0.4045E-03	-7.5 TO 52.5	0.3951E-06	82.5-142.5	0.3875E-06	60	0- 60	0.2118E-05	90-150	0.2083E-05
75-89.43	0.4173E-03	-7.5 TO 52.5	0.1269E-06	82.5-142.5	0.1217E-06	75	0- 60	0.1045E-05	90-150	0.1017E-05
0-15.00	0.7144E-04	-7.5 TO 67.5	0.1085E-05	82.5-157.5	0.1083E-05	0	0- 75	0.5520E-05	90-165	0.5520E-05
15-30.00	0.2094E-03	-7.5 TO 67.5	0.1008E-05	82.5-157.5	0.1002E-05	15	0- 75	0.5328E-05	90-165	0.5308E-05
30-45.00	0.3332E-03	-7.5 TO 67.5	0.8572E-06	82.5-157.5	0.8492E-06	30	0- 75	0.4746E-05	90-165	0.4709E-05
45-60.00	0.4342E-03	-7.5 TO 67.5	0.6469E-06	82.5-157.5	0.6382E-06	45	0- 75	0.3824E-05	90-165	0.3780E-05
60-75.00	0.5056E-03	-7.5 TO 67.5	0.3946E-06	82.5-157.5	0.3869E-06	60	0- 75	0.2644E-05	90-165	0.2601E-05
75-89.43	0.5216E-03	-7.5 TO 67.5	0.1266E-06	82.5-157.5	0.1213E-06	75	0- 75	0.1304E-05	90-165	0.1268E-05
0-15.00	0.8572E-04	-7.5 TO 82.5	0.1085E-05	82.5-172.5	0.1082E-05	0	0- 90	0.6624E-05	90-180	0.6624E-05
15-30.00	0.2513E-03	-7.5 TO 82.5	0.1007E-05	82.5-172.5	0.1002E-05	15	0- 90	0.6392E-05	90-180	0.6368E-05
30-45.00	0.3998E-03	-7.5 TO 82.5	0.8566E-06	82.5-172.5	0.8487E-06	30	0- 90	0.5691E-05	90-180	0.5649E-05
45-60.00	0.5210E-03	-7.5 TO 82.5	0.6463E-06	82.5-172.5	0.6377E-06	45	0- 90	0.4585E-05	90-180	0.4533E-05
60-75.00	0.6068E-03	-7.5 TO 82.5	0.3940E-06	82.5-172.5	0.3864E-06	60	0- 90	0.3169E-05	90-180	0.3118E-05
75-89.43	0.6260E-03	-7.5 TO 82.5	0.1262E-06	82.5-172.5	0.1209E-06	75	0- 90	0.1561E-05	90-180	0.1520E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.1085E-05	82.5-187.5	0.1082E-05	0	0-105	0.7728E-05	90-195	0.7728E-05
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1007E-05	82.5-187.5	0.1001E-05	15	0-105	0.7459E-05	90-195	0.7428E-05
30-45.00	0.4664E-03	-7.5 TO 97.5	0.8560E-06	82.5-187.5	0.8483E-06	30	0-105	0.6636E-05	90-195	0.6589E-05
45-60.00	0.6079E-03	-7.5 TO 97.5	0.6456E-06	82.5-187.5	0.6372E-06	45	0-105	0.5344E-05	90-195	0.5286E-05
60-75.00	0.7079E-03	-7.5 TO 97.5	0.3934E-06	82.5-187.5	0.3860E-06	60	0-105	0.3692E-05	90-195	0.3636E-05
75-89.43	0.7303E-03	-7.5 TO 97.5	0.1258E-06	82.5-187.5	0.1207E-06	75	0-105	0.1817E-05	90-195	0.1771E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

r_2/r_1 = 0.50 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0075 $\cosh \mu_2$ = 49.9850 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 134.18

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.2167E-05	82.5- 97.5	0.2160E-05	0	0- 15	0.2201E-05	90-105	0.2201E-05
15-30.00	0.4189E-04	-7.5 TO 7.5	0.2015E-05	82.5- 97.5	0.2002E-05	15	0- 15	0.2129E-05	90-105	0.2118E-05
30-45.00	0.6663E-04	-7.5 TO 7.5	0.1718E-05	82.5- 97.5	0.1699E-05	30	0- 15	0.1900E-05	90-105	0.1882E-05
45-60.00	0.8684E-04	-7.5 TO 7.5	0.1299E-05	82.5- 97.5	0.1279E-05	45	0- 15	0.1535E-05	90-105	0.1512E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.7949E-06	82.5- 97.5	0.7769E-06	60	0- 15	0.1064E-05	90-105	0.1042E-05
75-89.43	0.1043E-03	-7.5 TO 7.5	0.2577E-06	82.5- 97.5	0.2457E-06	75	0- 15	0.5276E-06	90-105	0.5098E-06
0-15.00	0.2657E-04	-7.5 TO 22.5	0.2166E-05	82.5-112.5	0.2159E-05	0	0- 30	0.4402E-05	90-120	0.4402E-05
15-30.00	0.8378E-04	-7.5 TO 22.5	0.2015E-05	82.5-112.5	0.2000E-05	15	0- 30	0.4257E-05	90-120	0.4234E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.1717E-05	82.5-112.5	0.1696E-05	30	0- 30	0.3800E-05	90-120	0.3759E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.1299E-05	82.5-112.5	0.1276E-05	45	0- 30	0.3068E-05	90-120	0.3019E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.7946E-06	82.5-112.5	0.7745E-06	60	0- 30	0.2127E-05	90-120	0.2079E-05
75-89.43	0.2087E-03	-7.5 TO 22.5	0.2575E-06	82.5-112.5	0.2441E-06	75	0- 30	0.1054E-05	90-120	0.1016E-05
0-15.00	0.4266E-04	-7.5 TO 37.5	0.2166E-05	82.5-127.5	0.2159E-05	0	0- 45	0.6602E-05	90-135	0.6602E-05
15-30.00	0.1257E-03	-7.5 TO 37.5	0.2014E-05	82.5-127.5	0.1998E-05	15	0- 45	0.6384E-05	90-135	0.6348E-05
30-45.00	0.1999E-03	-7.5 TO 37.5	0.1717E-05	82.5-127.5	0.1696E-05	30	0- 45	0.5697E-05	90-135	0.5633E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.1298E-05	82.5-127.5	0.1273E-05	45	0- 45	0.4599E-05	90-135	0.4521E-05
60-75.00	0.3034E-03	-7.5 TO 37.5	0.7938E-06	82.5-127.5	0.7723E-06	60	0- 45	0.3187E-05	90-135	0.3111E-05
75-89.43	0.3130E-03	-7.5 TO 37.5	0.2570E-06	82.5-127.5	0.2426E-06	75	0- 45	0.1573E-05	90-135	0.1518E-05
0-15.00	0.5715E-04	-7.5 TO 52.5	0.2166E-05	82.5-142.5	0.2158E-05	0	0- 60	0.8803E-05	90-150	0.8803E-05
15-30.00	0.1676E-03	-7.5 TO 52.5	0.2014E-05	82.5-142.5	0.1997E-05	15	0- 60	0.8510E-05	90-150	0.8461E-05
30-45.00	0.2665E-03	-7.5 TO 52.5	0.1715E-05	82.5-142.5	0.1692E-05	30	0- 60	0.7591E-05	90-150	0.7503E-05
45-60.00	0.3474E-03	-7.5 TO 52.5	0.1297E-05	82.5-142.5	0.1271E-05	45	0- 60	0.6126E-05	90-150	0.6020E-05
60-75.00	0.4045E-03	-7.5 TO 52.5	0.7928E-06	82.5-142.5	0.7703E-06	60	0- 60	0.4249E-05	90-150	0.4140E-05
75-89.43	0.4173E-03	-7.5 TO 52.5	0.2563E-06	82.5-142.5	0.2413E-06	75	0- 60	0.2100E-05	90-150	0.2017E-05
0-15.00	0.7144E-04	-7.5 TO 67.5	0.2165E-05	82.5-157.5	0.2157E-05	0	0- 75	0.1100E-04	90-165	0.1100E-04
15-30.00	0.2094E-03	-7.5 TO 67.5	0.2013E-05	82.5-157.5	0.1995E-05	15	0- 75	0.1063E-04	90-165	0.1057E-04
30-45.00	0.3332E-03	-7.5 TO 67.5	0.1714E-05	82.5-157.5	0.1690E-05	30	0- 75	0.9481E-05	90-165	0.9372E-05
45-60.00	0.4342E-03	-7.5 TO 67.5	0.1295E-05	82.5-157.5	0.1269E-05	45	0- 75	0.7649E-05	90-165	0.7516E-05
60-75.00	0.5056E-03	-7.5 TO 67.5	0.7914E-06	82.5-157.5	0.7685E-06	60	0- 75	0.5296E-05	90-165	0.5167E-05
75-89.43	0.5216E-03	-7.5 TO 67.5	0.2554E-06	82.5-157.5	0.2401E-06	75	0- 75	0.2618E-05	90-165	0.2515E-05
0-15.00	0.8572E-04	-7.5 TO 82.5	0.2165E-05	82.5-172.5	0.2157E-05	0	0- 90	0.1320E-04	90-180	0.1320E-04
15-30.00	0.2513E-03	-7.5 TO 82.5	0.2011E-05	82.5-172.5	0.1994E-05	15	0- 90	0.1275E-04	90-180	0.1268E-04
30-45.00	0.3998E-03	-7.5 TO 82.5	0.1712E-05	82.5-172.5	0.1688E-05	30	0- 90	0.1137E-04	90-180	0.1124E-04
45-60.00	0.5210E-03	-7.5 TO 82.5	0.1293E-05	82.5-172.5	0.1267E-05	45	0- 90	0.9166E-05	90-180	0.9011E-05
60-75.00	0.6068E-03	-7.5 TO 82.5	0.7898E-06	82.5-172.5	0.7671E-06	60	0- 90	0.6363E-05	90-180	0.6192E-05
75-89.43	0.6260E-03	-7.5 TO 82.5	0.2543E-06	82.5-172.5	0.2391E-06	75	0- 90	0.3132E-05	90-180	0.3011E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.2164E-05	82.5-187.5	0.2156E-05	0	0-105	0.1541E-04	90-195	0.1541E-04
15-30.00	0.2932E-03	-7.5 TO 97.5	0.2010E-05	82.5-187.5	0.1993E-05	15	0-105	0.1487E-04	90-195	0.1479E-04
30-45.00	0.4664E-03	-7.5 TO 97.5	0.1710E-05	82.5-187.5	0.1687E-05	30	0-105	0.1329E-04	90-195	0.1311E-04
45-60.00	0.6079E-03	-7.5 TO 97.5	0.1291E-05	82.5-187.5	0.1266E-05	45	0-105	0.1068E-04	90-195	0.1051E-04
60-75.00	0.7079E-03	-7.5 TO 97.5	0.7879E-06	82.5-187.5	0.7659E-06	60	0-105	0.7385E-05	90-195	0.7217E-05
75-89.43	0.7303E-03	-7.5 TO 97.5	0.2531E-06	82.5-187.5	0.2384E-06	75	0-105	0.3641E-05	90-195	0.3508E-05

r_2/r_1 = 0.50 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0075 $\cosh \mu_2$ = 49.9850 $\alpha_{2,max}$ = 60.000 $\theta_{2,min}$ = 119.00

0-15.00	0.1429E-04	-7.5 TO 7.5	0.3239E-05	82.5- 97.5	0.3226E-05	0	0- 15	0.3287E-05	90-105	0.3287E-05
15-30.00	0.4189E-04	-7.5 TO 7.5	0.3017E-05	82.5- 97.5	0.2989E-05	15	0- 15	0.3185E-05	90-105	0.3163E-05
30-45.00	0.6663E-04	-7.5 TO 7.5	0.2576E-05	82.5- 97.5	0.2537E-05	30	0- 15	0.2847E-05	90-105	0.2809E-05
45-60.00	0.8684E-04	-7.5 TO 7.5	0.1951E-05	82.5- 97.5	0.1910E-05	45	0- 15	0.2303E-05	90-105	0.2257E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.1196E-05	82.5- 97.5	0.1160E-05	60	0- 15	0.1600E-05	90-105	0.1555E-05
75-89.43	0.1043E-03	-7.5 TO 7.5	0.3900E-06	82.5- 97.5	0.3670E-06	75	0- 15	0.7952E-06	90-105	0.7606E-06
0-15.00	0.2657E-04	-7.5 TO 22.5	0.3239E-05	82.5-112.5	0.3225E-05	0	0- 30	0.6574E-05	90-120	0.6574E-05
15-30.00	0.8378E-04	-7.5 TO 22.5	0.3017E-05	82.5-112.5	0.2986E-05	15	0- 30	0.6369E-05	90-120	0.6322E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.2575E-05	82.5-112.5	0.2532E-05	30	0- 30	0.5693E-05	90-120	0.5610E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.1950E-05	82.5-112.5	0.1905E-05	45	0- 30	0.4604E-05	90-120	0.4504E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.1195E-05	82.5-112.5	0.1156E-05	60	0- 30	0.3196E-05	90-120	0.3100E-05
75-89.43	0.2087E-03	-7.5 TO 22.5	0.3896E-06	82.5-112.5	0.3641E-06	75	0- 30	0.1588E-05	90-120	0.1514E-05
0-15.00	0.4266E-04	-7.5 TO 37.5	0.3239E-05	82.5-127.5	0.3223E-05	0	0- 45	0.9861E-05	90-135	0.9861E-05
15-30.00	0.1257E-03	-7.5 TO 37.5	0.3016E-05	82.5-127.5	0.2982E-05	15	0- 45	0.9550E-05	90-135	0.9476E-05
30-45.00	0.1999E-03	-7.5 TO 37.5	0.2573E-05	82.5-127.5	0.2528E-05	30	0- 45	0.8533E-05	90-135	0.8403E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.1949E-05	82.5-127.5	0.1900E-05	45	0- 45	0.6899E-05	90-135	0.6741E-05
60-75.00	0.3034E-03	-7.5 TO 37.5	0.1194E-05	82.5-127.5	0.1152E-05	60	0- 45	0.4788E-05	90-135	0.4636E-05
75-89.43	0.3130E-03	-7.5 TO 37.5	0.3887E-06	82.5-127.5	0.3613E-06	75	0- 45	0.2371E-05	90-135	0.2260E-05
0-15.00	0.5715E-04	-7.5 TO 52.5	0.3238E-05	82.5-142.5	0.3222E-05	0	0- 60	0.1315E-04	90-150	0.1315E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.3014E-05	82.5-142.5	0.2979E-05	15	0- 60	0.1273E-04	90-150	0.1263E-04
30-45.00	0.2665E-03	-7.5 TO 52.5	0.2571E-05	82.5-142.5	0.2523E-05	30	0- 60	0.1137E-04	90-150	0.1119E-04
45-60.00	0.3474E-03	-7.5 TO 52.5	0.1946E-05	82.5-142.5	0.1895E-05	45	0- 60	0.9187E-05	90-150	0.8971E-05
60-75.00	0.4045E-03	-7.5 TO 52.5	0.1192E-05	82.5-142.5	0.1148E-05	60	0- 60	0.6372E-05	90-150	0.6165E-05
75-89.43	0.4173E-03	-7.5 TO 52.5	0.3873E-06	82.5-142.5	0.3587E-06	75	0- 60	0.3161E-05	90-150	0.3000E-05
0-15.00	0.7144E-04	-7.5 TO 67.5	0.3237E-05	82.5-157.5	0.3220E-05	0	0- 75	0.1644E-04	90-165	0.1644E-04
15-30.00	0.2094E-03	-7.5 TO 67.5	0.3012E-05	82.5-157.5	0.2977E-05	15	0- 75	0.1590E-04	90-165	0.1578E-04
30-45.00	0.3332E-03	-7.5 TO 67.5	0.2568E-05	82.5-157.5	0.2519E-05	30	0- 75	0.1419E-04	90-165	0.1397E-04
45-60.00	0.4342E-03	-7.5 TO 67.5	0.1943E-05	82.5-157.5	0.1891E-05	45	0- 75	0.1146E-04	90-165	0.1120E-04
60-75.00	0.5056E-03	-7.5 TO 67.5	0.1189E-05	82.5-157.5	0.1144E-05	60	0- 75	0.7948E-05	90-165	0.7689E-05
75-89.43	0.5216E-03	-7.5 TO 67.5	0.3856E-06	82.5-157.5	0.3565E-06	75	0- 75	0.3937E-05	90-165	0.3737E-05
0-15.00	0.8572E-04	-7.5 TO 82.5	0.3236E-05	82.5-172.5	0.3219E-05	0	0- 90	0.1972E-04	90-180	0.1972E-04
15-30.00	0.2513E-03	-7.5 TO 82.5	0.3009E-05	82.5-172.5	0.2974E-05	15	0- 90	0.1907E-04	90-180	0.1892E-04
30-45.00	0.3998E-03	-7.5 TO 82.5	0.2565E-05	82.5-172.5	0.2516E-05	30	0- 90	0.1701E-04	90-180	0.1675E-04
45-60.00	0.5210E-03	-7.5 TO 82.5	0.1939E-05	82.5-172.5	0.1887E-05	45	0- 90	0.1373E-04	90-180	0.1342E-04
60-75.00	0.6068E-03	-7.5 TO 82.5	0.1186E-05	82.5-172.5	0.1141E-05	60	0- 90	0.9513E-05	90-180	0.9211E-05
75-89.43	0.6260E-03	-7.5 TO 82.5	0.3834E-06	82.5-172.5	0.3546E-06	75	0- 90	0.4705E-05	90-180	0.4472E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.3234E-05	82.5-187.5	0.3218E-05	0	0-105	0.2301E-04	90-195	0.2301E-04
15-30.00	0.2932E-03	-7.5 TO 97.5	0.3007E-05	82.5-187.5	0.2972E-05	15	0-105	0.2223E-04	90-195	0.2207E-04
30-45.00	0.4664E-03	-7.5 TO 97.5	0.2561E-05	82.5-187.5	0.2514E-05	30	0-105	0.1982E-04	90-195	0.1953E-04
45-60.00	0.6079E-03	-7.5 TO 97.5	0.1935E-05	82.5-187.5	0.1885E-05	45	0-105	0.1599E-04	90-195	0.1564E-04
60-75.00	0.7079E-03	-7.5 TO 97.5	0.1182E-05	82.5-187.5	0.1139E-05	60	0-105	0.1107E-04	90-195	0.1073E-04
75-89.43	0.7303E-03	-7.5 TO 97.5	0.3811E-06	82.5-187.5	0.3532E-06	75	0-105	0.5466E-05	90-195	0.5206E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

r_2/r_1 = 0.50 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0075 $\cosh \mu_2$ = 49.9850 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 103.89

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.4015E-05	82.5- 97.5	0.3994E-05	0	0- 15	0.4069E-05	90-105	0.4069E-05
15-30.00	0.4189E-04	-7.5 TO 7.5	0.3746E-05	82.5- 97.5	0.3701E-05	15	0- 15	0.3950E-05	90-105	0.3915E-05
30-45.00	0.6663E-04	-7.5 TO 7.5	0.3203E-05	82.5- 97.5	0.3141E-05	30	0- 15	0.3538E-05	90-105	0.3476E-05
45-60.00	0.8684E-04	-7.5 TO 7.5	0.2429E-05	82.5- 97.5	0.2364E-05	45	0- 15	0.2866E-05	90-105	0.2792E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.1492E-05	82.5- 97.5	0.1437E-05	60	0- 15	0.1993E-05	90-105	0.1923E-05
75-89.43	0.1043E-03	-7.5 TO 7.5	0.4883E-06	82.5- 97.5	0.4544E-06	75	0- 15	0.9931E-06	90-105	0.9406E-06
0-15.00	0.2857E-04	-7.5 TO 22.5	0.4015E-05	82.5-112.5	0.3991E-05	0	0- 30	0.8138E-05	90-120	0.8138E-05
15-30.00	0.8378E-04	-7.5 TO 22.5	0.3745E-05	82.5-112.5	0.3695E-05	15	0- 30	0.7898E-05	90-120	0.7822E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.3202E-05	82.5-112.5	0.3133E-05	30	0- 30	0.7071E-05	90-120	0.6938E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.2428E-05	82.5-112.5	0.2356E-05	45	0- 30	0.5728E-05	90-120	0.5568E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.1491E-05	82.5-112.5	0.1430E-05	60	0- 30	0.3983E-05	90-120	0.3831E-05
75-89.43	0.2087E-03	-7.5 TO 22.5	0.4877E-06	82.5-112.5	0.4501E-06	75	0- 30	0.1983E-05	90-120	0.1870E-05
0-15.00	0.4286E-04	-7.5 TO 37.5	0.4014E-05	82.5-127.5	0.3989E-05	0	0- 45	0.1221E-04	90-135	0.1221E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.3743E-05	82.5-127.5	0.3689E-05	15	0- 45	0.1184E-04	90-135	0.1172E-04
30-45.00	0.1999E-03	-7.5 TO 37.5	0.3199E-05	82.5-127.5	0.3125E-05	30	0- 45	0.1060E-04	90-135	0.1039E-04
45-60.00	0.2605E-03	-7.5 TO 37.5	0.2426E-05	82.5-127.5	0.2348E-05	45	0- 45	0.8581E-05	90-135	0.8329E-05
60-75.00	0.3034E-03	-7.5 TO 37.5	0.1489E-05	82.5-127.5	0.1423E-05	60	0- 45	0.5964E-05	90-135	0.5725E-05
75-89.43	0.3130E-03	-7.5 TO 37.5	0.4864E-06	82.5-127.5	0.4460E-06	75	0- 45	0.2967E-05	90-135	0.2788E-05
0-15.00	0.5715E-04	-7.5 TO 52.5	0.4013E-05	82.5-142.5	0.3986E-05	0	0- 60	0.1628E-04	90-150	0.1628E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.3740E-05	82.5-142.5	0.3684E-05	15	0- 60	0.1578E-04	90-150	0.1562E-04
30-45.00	0.2665E-03	-7.5 TO 52.5	0.3195E-05	82.5-142.5	0.3118E-05	30	0- 60	0.1411E-04	90-150	0.1383E-04
45-60.00	0.3474E-03	-7.5 TO 52.5	0.2422E-05	82.5-142.5	0.2341E-05	45	0- 60	0.1142E-04	90-150	0.1108E-04
60-75.00	0.4045E-03	-7.5 TO 52.5	0.1485E-05	82.5-142.5	0.1417E-05	60	0- 60	0.7933E-05	90-150	0.7608E-05
75-89.43	0.4173E-03	-7.5 TO 52.5	0.4843E-06	82.5-142.5	0.4423E-06	75	0- 60	0.3942E-05	90-150	0.3699E-05
0-15.00	0.7144E-04	-7.5 TO 67.5	0.4011E-05	82.5-157.5	0.3984E-05	0	0- 75	0.2034E-04	90-165	0.2034E-04
15-30.00	0.2094E-03	-7.5 TO 67.5	0.3737E-05	82.5-157.5	0.3680E-05	15	0- 75	0.1971E-04	90-165	0.1951E-04
30-45.00	0.3332E-03	-7.5 TO 67.5	0.3191E-05	82.5-157.5	0.3112E-05	30	0- 75	0.1762E-04	90-165	0.1726E-04
45-60.00	0.4342E-03	-7.5 TO 67.5	0.2417E-05	82.5-157.5	0.2334E-05	45	0- 75	0.1425E-04	90-165	0.1382E-04
60-75.00	0.5056E-03	-7.5 TO 67.5	0.1481E-05	82.5-157.5	0.1411E-05	60	0- 75	0.9888E-05	90-165	0.9482E-05
75-89.43	0.5216E-03	-7.5 TO 67.5	0.4817E-06	82.5-157.5	0.4390E-06	75	0- 75	0.4906E-05	90-165	0.4603E-05
0-15.00	0.8572E-04	-7.5 TO 82.5	0.4009E-05	82.5-172.5	0.3982E-05	0	0- 90	0.2441E-04	90-180	0.2441E-04
15-30.00	0.2513E-03	-7.5 TO 82.5	0.3733E-05	82.5-172.5	0.3676E-05	15	0- 90	0.2363E-04	90-180	0.2339E-04
30-45.00	0.3998E-03	-7.5 TO 82.5	0.3185E-05	82.5-172.5	0.3107E-05	30	0- 90	0.2111E-04	90-180	0.2069E-04
45-60.00	0.5210E-03	-7.5 TO 82.5	0.2411E-05	82.5-172.5	0.2329E-05	45	0- 90	0.1706E-04	90-180	0.1655E-04
60-75.00	0.6068E-03	-7.5 TO 82.5	0.1476E-05	82.5-172.5	0.1407E-05	60	0- 90	0.1183E-04	90-180	0.1135E-04
75-89.43	0.6260E-03	-7.5 TO 82.5	0.4786E-06	82.5-172.5	0.4363E-06	75	0- 90	0.5858E-05	90-180	0.5505E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.4007E-05	82.5-187.5	0.3981E-05	0	0-105	0.2848E-04	90-195	0.2848E-04
15-30.00	0.2932E-03	-7.5 TO 97.5	0.3728E-05	82.5-187.5	0.3673E-05	15	0-105	0.2753E-04	90-195	0.2728E-04
30-45.00	0.4664E-03	-7.5 TO 97.5	0.3179E-05	82.5-187.5	0.3103E-05	30	0-105	0.2458E-04	90-195	0.2412E-04
45-60.00	0.6079E-03	-7.5 TO 97.5	0.2404E-05	82.5-187.5	0.2325E-05	45	0-105	0.1985E-04	90-195	0.1929E-04
60-75.00	0.7079E-03	-7.5 TO 97.5	0.1470E-05	82.5-187.5	0.1403E-05	60	0-105	0.1375E-04	90-195	0.1322E-04
75-89.43	0.7303E-03	-7.5 TO 97.5	0.4751E-06	82.5-187.5	0.4342E-06	75	0-105	0.6799E-05	90-195	0.6406E-05

r_2/r_1 = 0.50 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0075 $\cosh \mu_2$ = 49.9850 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 88.85

0-15.00	0.1429E-04	-7.5 TO 7.5	0.4287E-05	82.5- 97.5	0.4258E-05	0	0- 15	0.4338E-05	90-105	0.4338E-05
15-30.00	0.4189E-04	-7.5 TO 7.5	0.4008E-05	82.5- 97.5	0.3946E-05	15	0- 15	0.4221E-05	90-105	0.4173E-05
30-45.00	0.6663E-04	-7.5 TO 7.5	0.3434E-05	82.5- 97.5	0.3349E-05	30	0- 15	0.3789E-05	90-105	0.3704E-05
45-60.00	0.8684E-04	-7.5 TO 7.5	0.2609E-05	82.5- 97.5	0.2521E-05	45	0- 15	0.3075E-05	90-105	0.2975E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.1604E-05	82.5- 97.5	0.1532E-05	60	0- 15	0.2142E-05	90-105	0.2049E-05
75-89.43	0.1043E-03	-7.5 TO 7.5	0.5260E-06	82.5- 97.5	0.4845E-06	75	0- 15	0.1069E-05	90-105	0.1002E-05
0-15.00	0.2857E-04	-7.5 TO 22.5	0.4287E-05	82.5-112.5	0.4259E-05	0	0- 30	0.8677E-05	90-120	0.8677E-05
15-30.00	0.8378E-04	-7.5 TO 22.5	0.4007E-05	82.5-112.5	0.3938E-05	15	0- 30	0.8439E-05	90-120	0.8335E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.3432E-05	82.5-112.5	0.3338E-05	30	0- 30	0.7572E-05	90-120	0.7389E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.2607E-05	82.5-112.5	0.2510E-05	45	0- 30	0.6149E-05	90-120	0.5927E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.1603E-05	82.5-112.5	0.1523E-05	60	0- 30	0.4279E-05	90-120	0.4077E-05
75-89.43	0.2087E-03	-7.5 TO 22.5	0.5253E-06	82.5-112.5	0.4794E-06	75	0- 30	0.2133E-05	90-120	0.1989E-05
0-15.00	0.4286E-04	-7.5 TO 37.5	0.4286E-05	82.5-127.5	0.4251E-05	0	0- 45	0.1302E-04	90-135	0.1302E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.4004E-05	82.5-127.5	0.3930E-05	15	0- 45	0.1265E-04	90-135	0.1249E-04
30-45.00	0.1999E-03	-7.5 TO 37.5	0.3429E-05	82.5-127.5	0.3328E-05	30	0- 45	0.1135E-04	90-135	0.1106E-04
45-60.00	0.2605E-03	-7.5 TO 37.5	0.2604E-05	82.5-127.5	0.2499E-05	45	0- 45	0.9202E-05	90-135	0.8860E-05
60-75.00	0.3034E-03	-7.5 TO 37.5	0.1600E-05	82.5-127.5	0.1514E-05	60	0- 45	0.6405E-05	90-135	0.6087E-05
75-89.43	0.3130E-03	-7.5 TO 37.5	0.5237E-06	82.5-127.5	0.4745E-06	75	0- 45	0.3190E-05	90-135	0.2963E-05
0-15.00	0.5715E-04	-7.5 TO 52.5	0.4284E-05	82.5-142.5	0.4248E-05	0	0- 60	0.1735E-04	90-150	0.1735E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.4001E-05	82.5-142.5	0.3923E-05	15	0- 60	0.1686E-04	90-150	0.1663E-04
30-45.00	0.2665E-03	-7.5 TO 52.5	0.3424E-05	82.5-142.5	0.3319E-05	30	0- 60	0.1511E-04	90-150	0.1471E-04
45-60.00	0.3474E-03	-7.5 TO 52.5	0.2599E-05	82.5-142.5	0.2489E-05	45	0- 60	0.1224E-04	90-150	0.1178E-04
60-75.00	0.4045E-03	-7.5 TO 52.5	0.1598E-05	82.5-142.5	0.1506E-05	60	0- 60	0.8515E-05	90-150	0.8083E-05
75-89.43	0.4173E-03	-7.5 TO 52.5	0.5212E-06	82.5-142.5	0.4700E-06	75	0- 60	0.4235E-05	90-150	0.3927E-05
0-15.00	0.7144E-04	-7.5 TO 67.5	0.4282E-05	82.5-157.5	0.4245E-05	0	0- 75	0.2169E-04	90-165	0.2169E-04
15-30.00	0.2094E-03	-7.5 TO 67.5	0.3996E-05	82.5-157.5	0.3917E-05	15	0- 75	0.2105E-04	90-165	0.2077E-04
30-45.00	0.3332E-03	-7.5 TO 67.5	0.3417E-05	82.5-157.5	0.3310E-05	30	0- 75	0.1885E-04	90-165	0.1836E-04
45-60.00	0.4342E-03	-7.5 TO 67.5	0.2592E-05	82.5-157.5	0.2481E-05	45	0- 75	0.1526E-04	90-165	0.1468E-04
60-75.00	0.5056E-03	-7.5 TO 67.5	0.1590E-05	82.5-157.5	0.1499E-05	60	0- 75	0.1061E-04	90-165	0.1007E-04
75-89.43	0.5216E-03	-7.5 TO 67.5	0.5179E-06	82.5-157.5	0.4661E-06	75	0- 75	0.5267E-05	90-165	0.4884E-05
0-15.00	0.8572E-04	-7.5 TO 82.5	0.4279E-05	82.5-172.5	0.4243E-05	0	0- 90	0.2603E-04	90-180	0.2603E-04
15-30.00	0.2513E-03	-7.5 TO 82.5	0.3990E-05	82.5-172.5	0.3912E-05	15	0- 90	0.2524E-04	90-180	0.2491E-04
30-45.00	0.3998E-03	-7.5 TO 82.5	0.3409E-05	82.5-172.5	0.3303E-05	30	0- 90	0.2257E-04	90-180	0.2200E-04
45-60.00	0.5210E-03	-7.5 TO 82.5	0.2584E-05	82.5-172.5	0.2474E-05	45	0- 90	0.1826E-04	90-180	0.1758E-04
60-75.00	0.6068E-03	-7.5 TO 82.5	0.1584E-05	82.5-172.5	0.1493E-05	60	0- 90	0.1268E-04	90-180	0.1205E-04
75-89.43	0.6260E-03	-7.5 TO 82.5	0.5141E-06	82.5-172.5	0.4629E-06	75	0- 90	0.6284E-05	90-180	0.5837E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.4276E-05	82.5-187.5	0.4241E-05	0	0-105	0.3037E-04	90-195	0.3037E-04
15-30.00	0.2932E-03	-7.5 TO 97.5	0.3984E-05	82.5-187.5	0.3908E-05	15	0-105	0.2941E-04	90-195	0.2905E-04
30-45.00	0.4664E-03	-7.5 TO 97.5	0.3401E-05	82.5-187.5	0.3298E-05	30	0-105	0.2628E-04	90-195	0.2564E-04
45-60.00	0.6079E-03	-7.5 TO 97.5	0.2575E-05	82.5-187.5	0.2468E-05	45	0-105	0.2124E-04	90-195	0.2048E-04
60-75.00	0.7079E-03	-7.5 TO 97.5	0.1576E-05	82.5-187.5	0.1489E-05	60	0-105	0.1472E-04	90-195	0.1403E-04
75-89.43	0.7303E-03	-7.5 TO 97.5	0.5099E-06	82.5-187.5	0.4604E-06	75	0-105	0.7286E-05	90-195	0.6790E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0075$ $\cosh \mu_2 = 49.9850$ $\alpha_{2,max} = 90.57$ $\theta_{2,min} = 88.28$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.4287E-05	82.5- 97.5	0.4258E-05	0	0- 15	0.4338E-05	90-105	0.4338E-05
15-30.00	0.4189E-04	-7.5 TO 7.5	0.4008E-05	82.5- 97.5	0.3946E-05	15	0- 15	0.4221E-05	90-105	0.4173E-05
30-45.00	0.6663E-04	-7.5 TO 7.5	0.3434E-05	82.5- 97.5	0.3349E-05	30	0- 15	0.3783E-05	90-105	0.3704E-05
45-60.00	0.8684E-04	-7.5 TO 7.5	0.2609E-05	82.5- 97.5	0.2521E-05	45	0- 15	0.3076E-05	90-105	0.2975E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.1604E-05	82.5- 97.5	0.1532E-05	60	0- 15	0.2142E-05	90-105	0.2049E-05
75-89.43	0.1043E-03	-7.5 TO 7.5	0.5261E-06	82.5- 97.5	0.4845E-06	75	0- 15	0.1069E-05	90-105	0.1002E-05
0-15.00	0.2857E-04	-7.5 TO 22.5	0.4287E-05	82.5-112.5	0.4255E-05	0	0- 30	0.8677E-05	90-120	0.8677E-05
15-30.00	0.8378E-04	-7.5 TO 22.5	0.4007E-05	82.5-112.5	0.3938E-05	15	0- 30	0.8439E-05	90-120	0.8335E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.3432E-05	82.5-112.5	0.3338E-05	30	0- 30	0.7572E-05	90-120	0.7389E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.2608E-05	82.5-112.5	0.2510E-05	45	0- 30	0.6145E-05	90-120	0.5927E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.1603E-05	82.5-112.5	0.1523E-05	60	0- 30	0.4279E-05	90-120	0.4077E-05
75-89.43	0.2087E-03	-7.5 TO 22.5	0.5254E-06	82.5-112.5	0.4794E-06	75	0- 30	0.2133E-05	90-120	0.1989E-05
0-15.00	0.4286E-04	-7.5 TO 37.5	0.4286E-05	82.5-127.5	0.4251E-05	0	0- 45	0.1302E-04	90-135	0.1302E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.4004E-05	82.5-127.5	0.3930E-05	15	0- 45	0.1265E-04	90-135	0.1249E-04
30-45.00	0.1999E-03	-7.5 TO 37.5	0.3429E-05	82.5-127.5	0.3328E-05	30	0- 45	0.1135E-04	90-135	0.1106E-04
45-60.00	0.2605E-03	-7.5 TO 37.5	0.2604E-05	82.5-127.5	0.2499E-05	45	0- 45	0.9202E-05	90-135	0.8860E-05
60-75.00	0.3034E-03	-7.5 TO 37.5	0.1600E-05	82.5-127.5	0.1514E-05	60	0- 45	0.6405E-05	90-135	0.6087E-05
75-89.43	0.3130E-03	-7.5 TO 37.5	0.5237E-06	82.5-127.5	0.4745E-06	75	0- 45	0.3190E-05	90-135	0.2963E-05
0-15.00	0.5715E-04	-7.5 TO 52.5	0.4284E-05	82.5-142.5	0.4248E-05	0	0- 60	0.1735E-04	90-150	0.1735E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.4001E-05	82.5-142.5	0.3923E-05	15	0- 60	0.1686E-04	90-150	0.1663E-04
30-45.00	0.2665E-03	-7.5 TO 52.5	0.3424E-05	82.5-142.5	0.3319E-05	30	0- 60	0.1511E-04	90-150	0.1471E-04
45-60.00	0.3474E-03	-7.5 TO 52.5	0.2599E-05	82.5-142.5	0.2489E-05	45	0- 60	0.1224E-04	90-150	0.1178E-04
60-75.00	0.4045E-03	-7.5 TO 52.5	0.1596E-05	82.5-142.5	0.1506E-05	60	0- 60	0.8515E-05	90-150	0.8083E-05
75-89.43	0.4173E-03	-7.5 TO 52.5	0.5212E-06	82.5-142.5	0.4700E-06	75	0- 60	0.4235E-05	90-150	0.3927E-05
0-15.00	0.7144E-04	-7.5 TO 67.5	0.4282E-05	82.5-157.5	0.4245E-05	0	0- 75	0.2169E-04	90-165	0.2169E-04
15-30.00	0.2094E-03	-7.5 TO 67.5	0.3996E-05	82.5-157.5	0.3917E-05	15	0- 75	0.2105E-04	90-165	0.2077E-04
30-45.00	0.3332E-03	-7.5 TO 67.5	0.3417E-05	82.5-157.5	0.3310E-05	30	0- 75	0.1889E-04	90-165	0.1836E-04
45-60.00	0.4342E-03	-7.5 TO 67.5	0.2592E-05	82.5-157.5	0.2481E-05	45	0- 75	0.1526E-04	90-165	0.1468E-04
60-75.00	0.5056E-03	-7.5 TO 67.5	0.1590E-05	82.5-157.5	0.1499E-05	60	0- 75	0.1061E-04	90-165	0.1007E-04
75-89.43	0.5216E-03	-7.5 TO 67.5	0.5179E-06	82.5-157.5	0.4661E-06	75	0- 75	0.5267E-05	90-165	0.4884E-05
0-15.00	0.8572E-04	-7.5 TO 82.5	0.4279E-05	82.5-172.5	0.4243E-05	0	0- 90	0.2603E-04	90-180	0.2603E-04
15-30.00	0.2513E-03	-7.5 TO 82.5	0.3990E-05	82.5-172.5	0.3912E-05	15	0- 90	0.2524E-04	90-180	0.2491E-04
30-45.00	0.3998E-03	-7.5 TO 82.5	0.3409E-05	82.5-172.5	0.3303E-05	30	0- 90	0.2257E-04	90-180	0.2200E-04
45-60.00	0.5210E-03	-7.5 TO 82.5	0.2584E-05	82.5-172.5	0.2474E-05	45	0- 90	0.1826E-04	90-180	0.1758E-04
60-75.00	0.6068E-03	-7.5 TO 82.5	0.1584E-05	82.5-172.5	0.1493E-05	60	0- 90	0.1268E-04	90-180	0.1205E-04
75-89.43	0.6260E-03	-7.5 TO 82.5	0.5141E-06	82.5-172.5	0.4629E-06	75	0- 90	0.6284E-05	90-180	0.5837E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.4276E-05	82.5-187.5	0.4241E-05	0	0-105	0.3037E-04	90-195	0.3037E-04
15-30.00	0.2932E-03	-7.5 TO 97.5	0.3984E-05	82.5-187.5	0.3908E-05	15	0-105	0.2941E-04	90-195	0.2905E-04
30-45.00	0.4664E-03	-7.5 TO 97.5	0.3401E-05	82.5-187.5	0.3298E-05	30	0-105	0.2628E-04	90-195	0.2564E-04
45-60.00	0.6079E-03	-7.5 TO 97.5	0.2575E-05	82.5-187.5	0.2468E-05	45	0-105	0.2124E-04	90-195	0.2048E-04
60-75.00	0.7079E-03	-7.5 TO 97.5	0.1576E-05	82.5-187.5	0.1489E-05	60	0-105	0.1473E-04	90-195	0.1403E-04
75-89.43	0.7303E-03	-7.5 TO 97.5	0.5099E-06	82.5-187.5	0.4604E-06	75	0-105	0.7286E-05	90-195	0.6790E-05

$r_2/r_1 = 0.50$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0037$ $\cosh \mu_2 = 99.9925$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.85$

0-15.00	0.3569E-05	-7.5 TO 7.5	0.7065E-07	82.5- 97.5	0.7062E-07	0	0- 15	0.7189E-07	90-105	0.7189E-07
15-30.00	0.1046E-04	-7.5 TO 7.5	0.6570E-07	82.5- 97.5	0.6562E-07	15	0- 15	0.6940E-07	90-105	0.6934E-07
30-45.00	0.1665E-04	-7.5 TO 7.5	0.5613E-07	82.5- 97.5	0.5602E-07	30	0- 15	0.6200E-07	90-105	0.6190E-07
45-60.00	0.2169E-04	-7.5 TO 7.5	0.4270E-07	82.5- 97.5	0.4259E-07	45	0- 15	0.5028E-07	90-105	0.5016E-07
60-75.00	0.2526E-04	-7.5 TO 7.5	0.2643E-07	82.5- 97.5	0.2633E-07	60	0- 15	0.3515E-07	90-105	0.3508E-07
75-89.71	0.2659E-04	-7.5 TO 7.5	0.8731E-08	82.5- 97.5	0.8660E-08	75	0- 15	0.1775E-07	90-105	0.1765E-07
0-15.00	0.7138E-05	-7.5 TO 22.5	0.7065E-07	82.5-112.5	0.7062E-07	0	0- 30	0.1438E-06	90-120	0.1438E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.6569E-07	82.5-112.5	0.6562E-07	15	0- 30	0.1388E-06	90-120	0.1387E-06
30-45.00	0.3329E-04	-7.5 TO 22.5	0.5613E-07	82.5-112.5	0.5602E-07	30	0- 30	0.1240E-06	90-120	0.1238E-06
45-60.00	0.4339E-04	-7.5 TO 22.5	0.4270E-07	82.5-112.5	0.4258E-07	45	0- 30	0.1005E-06	90-120	0.1003E-06
60-75.00	0.5053E-04	-7.5 TO 22.5	0.2643E-07	82.5-112.5	0.2632E-07	60	0- 30	0.7029E-07	90-120	0.7003E-07
75-89.71	0.5317E-04	-7.5 TO 22.5	0.8729E-08	82.5-112.5	0.8651E-08	75	0- 30	0.3550E-07	90-120	0.3528E-07
0-15.00	0.1071E-04	-7.5 TO 37.5	0.7065E-07	82.5-127.5	0.7061E-07	0	0- 45	0.2157E-06	90-135	0.2157E-06
15-30.00	0.3139E-04	-7.5 TO 37.5	0.6569E-07	82.5-127.5	0.6561E-07	15	0- 45	0.2082E-06	90-135	0.2080E-06
30-45.00	0.4994E-04	-7.5 TO 37.5	0.5612E-07	82.5-127.5	0.5600E-07	30	0- 45	0.1860E-06	90-135	0.1856E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.4269E-07	82.5-127.5	0.4256E-07	45	0- 45	0.1508E-06	90-135	0.1504E-06
60-75.00	0.7579E-04	-7.5 TO 37.5	0.2642E-07	82.5-127.5	0.2630E-07	60	0- 45	0.1054E-06	90-135	0.1050E-06
75-89.71	0.7976E-04	-7.5 TO 37.5	0.8727E-08	82.5-127.5	0.8642E-08	75	0- 45	0.5323E-07	90-135	0.5288E-07
0-15.00	0.1428E-04	-7.5 TO 52.5	0.7065E-07	82.5-142.5	0.7061E-07	0	0- 60	0.2876E-06	90-150	0.2876E-06
15-30.00	0.4186E-04	-7.5 TO 52.5	0.6569E-07	82.5-142.5	0.6560E-07	15	0- 60	0.2776E-06	90-150	0.2773E-06
30-45.00	0.6658E-04	-7.5 TO 52.5	0.5612E-07	82.5-142.5	0.5599E-07	30	0- 60	0.2479E-06	90-150	0.2475E-06
45-60.00	0.8677E-04	-7.5 TO 52.5	0.4269E-07	82.5-142.5	0.4255E-07	45	0- 60	0.2010E-06	90-150	0.2005E-06
60-75.00	0.1011E-03	-7.5 TO 52.5	0.2642E-07	82.5-142.5	0.2629E-07	60	0- 60	0.1405E-06	90-150	0.1400E-06
75-89.71	0.1063E-03	-7.5 TO 52.5	0.8722E-08	82.5-142.5	0.8634E-08	75	0- 60	0.7095E-07	90-150	0.7047E-07
0-15.00	0.1785E-04	-7.5 TO 67.5	0.7065E-07	82.5-157.5	0.7060E-07	0	0- 75	0.3595E-06	90-165	0.3595E-06
15-30.00	0.5232E-04	-7.5 TO 67.5	0.6568E-07	82.5-157.5	0.6559E-07	15	0- 75	0.3469E-06	90-165	0.3466E-06
30-45.00	0.8323E-04	-7.5 TO 67.5	0.5611E-07	82.5-157.5	0.5598E-07	30	0- 75	0.3099E-06	90-165	0.3093E-06
45-60.00	0.1085E-03	-7.5 TO 67.5	0.4268E-07	82.5-157.5	0.4254E-07	45	0- 75	0.2512E-06	90-165	0.2505E-06
60-75.00	0.1263E-03	-7.5 TO 67.5	0.2641E-07	82.5-157.5	0.2628E-07	60	0- 75	0.1756E-06	90-165	0.1749E-06
75-89.71	0.1329E-03	-7.5 TO 67.5	0.8717E-08	82.5-157.5	0.8627E-08	75	0- 75	0.8864E-07	90-165	0.8805E-07
0-15.00	0.2141E-04	-7.5 TO 82.5	0.7064E-07	82.5-172.5	0.7060E-07	0	0- 90	0.4314E-06	90-180	0.4314E-06
15-30.00	0.6278E-04	-7.5 TO 82.5	0.6568E-07	82.5-172.5	0.6559E-07	15	0- 90	0.4163E-06	90-180	0.4159E-06
30-45.00	0.9988E-04	-7.5 TO 82.5	0.5610E-07	82.5-172.5	0.5597E-07	30	0- 90	0.3718E-06	90-180	0.3711E-06
45-60.00	0.1302E-03	-7.5 TO 82.5	0.4267E-07	82.5-172.5	0.4253E-07	45	0- 90	0.3014E-06	90-180	0.3006E-06
60-75.00	0.1516E-03	-7.5 TO 82.5	0.2640E-07	82.5-172.5	0.2628E-07	60	0- 90	0.2107E-06	90-180	0.2098E-06
75-89.71	0.1595E-03	-7.5 TO 82.5	0.8711E-08	82.5-172.5	0.8621E-08	75	0- 90	0.1063E-06	90-180	0.1056E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.7064E-07	82.5-187.5	0.7060E-07	0	0-105	0.5033E-06	90-195	0.5033E-06
15-30.00	0.7325E-04	-7.5 TO 97.5	0.6567E-07	82.5-187.5	0.6558E-07	15	0-105	0.4856E-06	90-195	0.4852E-06
30-45.00	0.1165E-03	-7.5 TO 97.5	0.5609E-07	82.5-187.5	0.5597E-07	30	0-105	0.4337E-06	90-195	0.4329E-06
45-60.00	0.1519E-03	-7.5 TO 97.5	0.4266E-07	82.5-187.5	0.4252E-07	45	0-105	0.3516E-06	90-195	0.3507E-06
60-75.00	0.1768E-03	-7.5 TO 97.5	0.2639E-07	82.5-187.5	0.2627E-07	60	0-105	0.2457E-06	90-195	0.2448E-06
75-89.71	0.1861E-03	-7.5 TO 97.5	0.8703E-08	82.5-187.5	0.8617E-08	75	0-105	0.1240E-06	90-195	0.1232E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0037$ $\cosh \mu_2 = 99.9925$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 149.71$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.2635E-06	82.5- 97.5	0.2633E-06	0	0- 15	0.2680E-06	90-105	0.2680E-06
15-30.00	0.1064E-04	-7.5 TO 7.5	0.2452E-06	82.5- 97.5	0.2447E-06	15	0- 15	0.2589E-06	90-105	0.2585E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.2096E-06	82.5- 97.5	0.2089E-06	30	0- 15	0.2315E-06	90-105	0.2307E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.1596E-06	82.5- 97.5	0.1588E-06	45	0- 15	0.1873E-06	90-105	0.1869E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.9891E-07	82.5- 97.5	0.9817E-07	60	0- 15	0.1314E-06	90-105	0.1305E-06
75-89.71	0.2659E-04	-7.5 TO 7.5	0.3280E-07	82.5- 97.5	0.3229E-07	75	0- 15	0.6651E-07	90-105	0.6576E-07
0-15.00	0.7138E-05	-7.5 TO 22.5	0.2635E-06	82.5-112.5	0.2633E-06	0	0- 30	0.5361E-06	90-120	0.5361E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.2452E-06	82.5-112.5	0.2446E-06	15	0- 30	0.5178E-06	90-120	0.5169E-06
30-45.00	0.3329E-04	-7.5 TO 22.5	0.2096E-06	82.5-112.5	0.2088E-06	30	0- 30	0.4629E-06	90-120	0.4613E-06
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1596E-06	82.5-112.5	0.1587E-06	45	0- 30	0.3756E-06	90-120	0.3737E-06
60-75.00	0.5053E-04	-7.5 TO 22.5	0.9890E-07	82.5-112.5	0.9807E-07	60	0- 30	0.2628E-06	90-120	0.2609E-06
75-89.71	0.5317E-04	-7.5 TO 22.5	0.3279E-07	82.5-112.5	0.3222E-07	75	0- 30	0.1330E-06	90-120	0.1314E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.2635E-06	82.5-127.5	0.2632E-06	0	0- 45	0.8041E-06	90-135	0.8041E-06
15-30.00	0.3139E-04	-7.5 TO 37.5	0.2452E-06	82.5-127.5	0.2445E-06	15	0- 45	0.7766E-06	90-135	0.7752E-06
30-45.00	0.4994E-04	-7.5 TO 37.5	0.2096E-06	82.5-127.5	0.2087E-06	30	0- 45	0.6942E-06	90-135	0.6917E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.1596E-06	82.5-127.5	0.1586E-06	45	0- 45	0.5633E-06	90-135	0.5602E-06
60-75.00	0.7579E-04	-7.5 TO 37.5	0.9887E-07	82.5-127.5	0.9798E-07	60	0- 45	0.3941E-06	90-135	0.3910E-06
75-89.71	0.7976E-04	-7.5 TO 37.5	0.3277E-07	82.5-127.5	0.3216E-07	75	0- 45	0.1993E-06	90-135	0.1968E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.2635E-06	82.5-142.5	0.2632E-06	0	0- 60	0.1072E-05	90-150	0.1072E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.2451E-06	82.5-142.5	0.2445E-06	15	0- 60	0.1035E-05	90-150	0.1033E-05
30-45.00	0.6658E-04	-7.5 TO 52.5	0.2096E-06	82.5-142.5	0.2086E-06	30	0- 60	0.9254E-06	90-150	0.9220E-06
45-60.00	0.8677E-04	-7.5 TO 52.5	0.1595E-06	82.5-142.5	0.1585E-06	45	0- 60	0.7509E-06	90-150	0.7466E-06
60-75.00	0.1011E-03	-7.5 TO 52.5	0.9882E-07	82.5-142.5	0.9790E-07	60	0- 60	0.5252E-06	90-150	0.5210E-06
75-89.71	0.1063E-03	-7.5 TO 52.5	0.3274E-07	82.5-142.5	0.3210E-07	75	0- 60	0.2656E-06	90-150	0.2621E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.2635E-06	82.5-157.5	0.2632E-06	0	0- 75	0.1340E-05	90-165	0.1340E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.2451E-06	82.5-157.5	0.2444E-06	15	0- 75	0.1294E-05	90-165	0.1292E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.2095E-06	82.5-157.5	0.2085E-06	30	0- 75	0.1156E-05	90-165	0.1152E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1594E-06	82.5-157.5	0.1584E-06	45	0- 75	0.9382E-06	90-165	0.9329E-06
60-75.00	0.1263E-03	-7.5 TO 67.5	0.9877E-07	82.5-157.5	0.9782E-07	60	0- 75	0.6562E-06	90-165	0.6509E-06
75-89.71	0.1329E-03	-7.5 TO 67.5	0.3270E-07	82.5-157.5	0.3205E-07	75	0- 75	0.3317E-06	90-165	0.3274E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.2635E-06	82.5-172.5	0.2632E-06	0	0- 90	0.1608E-05	90-180	0.1608E-05
15-30.00	0.6278E-04	-7.5 TO 82.5	0.2450E-06	82.5-172.5	0.2444E-06	15	0- 90	0.1553E-05	90-180	0.1550E-05
30-45.00	0.9988E-04	-7.5 TO 82.5	0.2094E-06	82.5-172.5	0.2085E-06	30	0- 90	0.1387E-05	90-180	0.1382E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1594E-06	82.5-172.5	0.1583E-06	45	0- 90	0.1125E-05	90-180	0.1119E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.9870E-07	82.5-172.5	0.9776E-07	60	0- 90	0.7869E-06	90-180	0.7808E-06
75-89.71	0.1595E-03	-7.5 TO 82.5	0.3266E-07	82.5-172.5	0.3201E-07	75	0- 90	0.3976E-06	90-180	0.3926E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.2634E-06	82.5-187.5	0.2631E-06	0	0-105	0.1876E-05	90-195	0.1876E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.2450E-06	82.5-187.5	0.2443E-06	15	0-105	0.1811E-05	90-195	0.1808E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.2094E-06	82.5-187.5	0.2084E-06	30	0-105	0.1618E-05	90-195	0.1613E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.1593E-06	82.5-187.5	0.1583E-06	45	0-105	0.1312E-05	90-195	0.1305E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.9862E-07	82.5-187.5	0.9771E-07	60	0-105	0.9175E-06	90-195	0.9106E-06
75-89.71	0.1861E-03	-7.5 TO 97.5	0.3260E-07	82.5-187.5	0.3197E-07	75	0-105	0.4634E-06	90-195	0.4578E-06

$r_2/r_1 = 0.50$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0037$ $\cosh \mu_2 = 99.9925$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 134.59$

0-15.00	0.3569E-05	-7.5 TO 7.5	0.5265E-06	82.5- 97.5	0.5257E-06	0	0- 15	0.5352E-06	90-105	0.5352E-06
15-30.00	0.1064E-04	-7.5 TO 7.5	0.4902E-06	82.5- 97.5	0.4885E-06	15	0- 15	0.5174E-06	90-105	0.5161E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.4194E-06	82.5- 97.5	0.4171E-06	30	0- 15	0.4629E-06	90-105	0.4606E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.3195E-06	82.5- 97.5	0.3171E-06	45	0- 15	0.3759E-06	90-105	0.3732E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1982E-06	82.5- 97.5	0.1960E-06	60	0- 15	0.2633E-06	90-105	0.2606E-06
75-89.71	0.2659E-04	-7.5 TO 7.5	0.6597E-07	82.5- 97.5	0.6447E-07	75	0- 15	0.1334E-06	90-105	0.1312E-06
0-15.00	0.7138E-05	-7.5 TO 22.5	0.5265E-06	82.5-112.5	0.5256E-06	0	0- 30	0.1070E-05	90-120	0.1070E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.4901E-06	82.5-112.5	0.4883E-06	15	0- 30	0.1033E-05	90-120	0.1032E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.4193E-06	82.5-112.5	0.4168E-06	30	0- 30	0.9256E-06	90-120	0.9207E-06
45-60.00	0.4339E-04	-7.5 TO 22.5	0.3195E-06	82.5-112.5	0.3167E-06	45	0- 30	0.7517E-06	90-120	0.7457E-06
60-75.00	0.5053E-04	-7.5 TO 22.5	0.1982E-06	82.5-112.5	0.1957E-06	60	0- 30	0.5264E-06	90-120	0.5205E-06
75-89.71	0.5317E-04	-7.5 TO 22.5	0.6594E-07	82.5-112.5	0.6428E-07	75	0- 30	0.2667E-06	90-120	0.2620E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.5264E-06	82.5-127.5	0.5255E-06	0	0- 45	0.1606E-05	90-135	0.1606E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.4901E-06	82.5-127.5	0.4881E-06	15	0- 45	0.1552E-05	90-135	0.1548E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.4193E-06	82.5-127.5	0.4165E-06	30	0- 45	0.1388E-05	90-135	0.1380E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.3194E-06	82.5-127.5	0.3164E-06	45	0- 45	0.1127E-05	90-135	0.1118E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.1981E-06	82.5-127.5	0.1955E-06	60	0- 45	0.7891E-06	90-135	0.7799E-06
75-89.71	0.7976E-04	-7.5 TO 37.5	0.6588E-07	82.5-127.5	0.6410E-07	75	0- 45	0.3996E-06	90-135	0.3923E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.5264E-06	82.5-142.5	0.5255E-06	0	0- 60	0.2141E-05	90-150	0.2141E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.4900E-06	82.5-142.5	0.4879E-06	15	0- 60	0.2069E-05	90-150	0.2063E-05
30-45.00	0.6658E-04	-7.5 TO 52.5	0.4191E-06	82.5-142.5	0.4163E-06	30	0- 60	0.1850E-05	90-150	0.1840E-05
45-60.00	0.8677E-04	-7.5 TO 52.5	0.3192E-06	82.5-142.5	0.3162E-06	45	0- 60	0.1502E-05	90-150	0.1489E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.1980E-06	82.5-142.5	0.1952E-06	60	0- 60	0.1051E-05	90-150	0.1039E-05
75-89.71	0.1063E-03	-7.5 TO 52.5	0.6588E-07	82.5-142.5	0.6393E-07	75	0- 60	0.5324E-06	90-150	0.5222E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.5263E-06	82.5-157.5	0.5254E-06	0	0- 75	0.2676E-05	90-165	0.2676E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.4899E-06	82.5-157.5	0.4878E-06	15	0- 75	0.2585E-05	90-165	0.2578E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.4189E-06	82.5-157.5	0.4161E-06	30	0- 75	0.2312E-05	90-165	0.2299E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.3190E-06	82.5-157.5	0.3159E-06	45	0- 75	0.1870E-05	90-165	0.1861E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1978E-06	82.5-157.5	0.1950E-06	60	0- 75	0.1313E-05	90-165	0.1298E-05
75-89.71	0.1329E-03	-7.5 TO 67.5	0.6588E-07	82.5-157.5	0.6378E-07	75	0- 75	0.6647E-06	90-165	0.6519E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.5263E-06	82.5-172.5	0.5253E-06	0	0- 90	0.3211E-05	90-180	0.3211E-05
15-30.00	0.6278E-04	-7.5 TO 82.5	0.4897E-06	82.5-172.5	0.4876E-06	15	0- 90	0.3102E-05	90-180	0.3093E-05
30-45.00	0.9988E-04	-7.5 TO 82.5	0.4187E-06	82.5-172.5	0.4159E-06	30	0- 90	0.2773E-05	90-180	0.2758E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.3188E-06	82.5-172.5	0.3157E-06	45	0- 90	0.2250E-05	90-180	0.2232E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1976E-06	82.5-172.5	0.1948E-06	60	0- 90	0.1574E-05	90-180	0.1556E-05
75-89.71	0.1595E-03	-7.5 TO 82.5	0.6594E-07	82.5-172.5	0.6366E-07	75	0- 90	0.7964E-06	90-180	0.7815E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.5262E-06	82.5-187.5	0.5253E-06	0	0-105	0.3747E-05	90-195	0.3747E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.4899E-06	82.5-187.5	0.4875E-06	15	0-105	0.3618E-05	90-195	0.3608E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.4185E-06	82.5-187.5	0.4157E-06	30	0-105	0.3234E-05	90-195	0.3217E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.3186E-06	82.5-187.5	0.3156E-06	45	0-105	0.2623E-05	90-195	0.2603E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.1974E-06	82.5-187.5	0.1947E-06	60	0-105	0.1835E-05	90-195	0.1814E-05
75-89.71	0.1861E-03	-7.5 TO 97.5	0.6539E-07	82.5-187.5	0.6356E-07	75	0-105	0.9276E-06	90-195	0.9111E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Continued. Radius ratio, r_2/r_1, 0.50

r_2/r_1 = 0.50 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0037 $\cosh \mu_2$ = 99.9925 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 119.50

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.7885E-06	82.5- 97.5	0.7869E-06	0	0- 15	0.8011E-06	90-105	0.8011E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.7346E-06	82.5- 97.5	0.7313E-06	15	0- 15	0.7750E-06	90-105	0.7725E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.6290E-06	82.5- 97.5	0.6244E-06	30	0- 15	0.6939E-06	90-105	0.6893E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.4796E-06	82.5- 97.5	0.4766E-06	45	0- 15	0.5640E-06	90-105	0.5584E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.2978E-06	82.5- 97.5	0.2934E-06	60	0- 15	0.3953E-06	90-105	0.3899E-06
75-89.71	0.2659E-04	-7.5 TO 7.5	0.9937E-07	82.5- 97.5	0.9651E-07	75	0- 15	0.2006E-06	90-105	0.1963E-06
0-15.00	0.7138E-05	-7.5 TO 22.5	0.7885E-06	82.5-112.5	0.7867E-06	0	0- 30	0.1602E-05	90-120	0.1602E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.7345E-06	82.5-112.5	0.7308E-06	15	0- 30	0.1550E-05	90-120	0.1544E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.6289E-06	82.5-112.5	0.6238E-06	30	0- 30	0.1388E-05	90-120	0.1378E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.4795E-06	82.5-112.5	0.4740E-06	45	0- 30	0.1128E-05	90-120	0.1116E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.2977E-06	82.5-112.5	0.2929E-06	60	0- 30	0.7902E-06	90-120	0.7785E-06
75-89.71	0.5317E-04	-7.5 TO 22.5	0.9932E-07	82.5-112.5	0.9615E-07	75	0- 30	0.4009E-06	90-120	0.3917E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.7884E-06	82.5-127.5	0.7865E-06	0	0- 45	0.2403E-05	90-135	0.2403E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.7344E-06	82.5-127.5	0.7304E-06	15	0- 45	0.2324E-05	90-135	0.2316E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.6287E-06	82.5-127.5	0.6232E-06	30	0- 45	0.2081E-05	90-135	0.2065E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.4793E-06	82.5-127.5	0.4733E-06	45	0- 45	0.1691E-05	90-135	0.1672E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.2979E-06	82.5-127.5	0.2923E-06	60	0- 45	0.1185E-05	90-135	0.1166E-05
75-89.71	0.7976E-04	-7.5 TO 37.5	0.9921E-07	82.5-127.5	0.9580E-07	75	0- 45	0.6008E-06	90-135	0.5862E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.7883E-06	82.5-142.5	0.7864E-06	0	0- 60	0.3205E-05	90-150	0.3205E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.7342E-06	82.5-142.5	0.7301E-06	15	0- 60	0.3099E-05	90-150	0.3087E-05
30-45.00	0.6658E-04	-7.5 TO 52.5	0.6284E-06	82.5-142.5	0.6227E-06	30	0- 60	0.2773E-05	90-150	0.2752E-05
45-60.00	0.8677E-04	-7.5 TO 52.5	0.4790E-06	82.5-142.5	0.4728E-06	45	0- 60	0.2253E-05	90-150	0.2227E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.2973E-06	82.5-142.5	0.2918E-06	60	0- 60	0.1578E-05	90-150	0.1553E-05
75-89.71	0.1063E-03	-7.5 TO 52.5	0.9904E-07	82.5-142.5	0.9548E-07	75	0- 60	0.7999E-06	90-150	0.7801E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.7882E-06	82.5-157.5	0.7862E-06	0	0- 75	0.4006E-05	90-165	0.4006E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.7340E-06	82.5-157.5	0.7297E-06	15	0- 75	0.3872E-05	90-165	0.3857E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.6281E-06	82.5-157.5	0.6222E-06	30	0- 75	0.3464E-05	90-165	0.3438E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.4786E-06	82.5-157.5	0.4723E-06	45	0- 75	0.2814E-05	90-165	0.2781E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.2969E-06	82.5-157.5	0.2914E-06	60	0- 75	0.1970E-05	90-165	0.1939E-05
75-89.71	0.1329E-03	-7.5 TO 67.5	0.9882E-07	82.5-157.5	0.9519E-07	75	0- 75	0.9982E-06	90-165	0.9734E-06
0-15.00	0.2141E-04	-7.5 TO 82.5	0.7880E-06	82.5-172.5	0.7861E-06	0	0- 90	0.4807E-05	90-180	0.4807E-05
15-30.00	0.6278E-04	-7.5 TO 82.5	0.7337E-06	82.5-172.5	0.7294E-06	15	0- 90	0.4645E-05	90-180	0.4628E-05
30-45.00	0.9988E-04	-7.5 TO 82.5	0.6277E-06	82.5-172.5	0.6218E-06	30	0- 90	0.4159E-05	90-180	0.4124E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.4782E-06	82.5-172.5	0.4719E-06	45	0- 90	0.3373E-05	90-180	0.3335E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.2965E-06	82.5-172.5	0.2910E-06	60	0- 90	0.2361E-05	90-180	0.2324E-05
75-89.71	0.1595E-03	-7.5 TO 82.5	0.9856E-07	82.5-172.5	0.9496E-07	75	0- 90	0.1196E-05	90-180	0.1166E-05
0-15.00	0.2498E-04	-7.5 TO 97.5	0.7879E-06	82.5-187.5	0.7860E-06	0	0-105	0.5608E-05	90-195	0.5608E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.7333E-06	82.5-187.5	0.7292E-06	15	0-105	0.5418E-05	90-195	0.5398E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.6272E-06	82.5-187.5	0.6215E-06	30	0-105	0.4844E-05	90-195	0.4810E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.4776E-06	82.5-187.5	0.4716E-06	45	0-105	0.3932E-05	90-195	0.3890E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.2961E-06	82.5-187.5	0.2908E-06	60	0-105	0.2751E-05	90-195	0.2710E-05
75-89.71	0.1861E-03	-7.5 TO 97.5	0.9827E-07	82.5-187.5	0.9478E-07	75	0-105	0.1392E-05	90-195	0.1360E-05

r_2/r_1 = 0.50 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0037 $\cosh \mu_2$ = 99.9925 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 104.45

0-15.00	0.3569E-05	-7.5 TO 7.5	0.9791E-06	82.5- 97.5	0.9766E-06	0	0- 15	0.9942E-06	90-105	0.9942E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.9129E-06	82.5- 97.5	0.9075E-06	15	0- 15	0.9627E-06	90-105	0.9585E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.7829E-06	82.5- 97.5	0.7748E-06	30	0- 15	0.8627E-06	90-105	0.8553E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.5969E-06	82.5- 97.5	0.5890E-06	45	0- 15	0.7017E-06	90-105	0.6928E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.3709E-06	82.5- 97.5	0.3641E-06	60	0- 15	0.4922E-06	90-105	0.4836E-06
75-89.71	0.2659E-04	-7.5 TO 7.5	0.1240E-06	82.5- 97.5	0.1198E-06	75	0- 15	0.2500E-06	90-105	0.2435E-06
0-15.00	0.7138E-05	-7.5 TO 22.5	0.9790E-06	82.5-112.5	0.9762E-06	0	0- 30	0.1988E-05	90-120	0.1988E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.9128E-06	82.5-112.5	0.9068E-06	15	0- 30	0.1925E-05	90-120	0.1916E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.7821E-06	82.5-112.5	0.7739E-06	30	0- 30	0.1725E-05	90-120	0.1709E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.5968E-06	82.5-112.5	0.5880E-06	45	0- 30	0.1403E-05	90-120	0.1384E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.3708E-06	82.5-112.5	0.3633E-06	60	0- 30	0.9830E-06	90-120	0.9653E-06
75-89.71	0.5317E-04	-7.5 TO 22.5	0.1239E-06	82.5-112.5	0.1192E-06	75	0- 30	0.4997E-06	90-120	0.4856E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.9789E-06	82.5-127.5	0.9759E-06	0	0- 45	0.2983E-05	90-135	0.2983E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.9126E-06	82.5-127.5	0.9061E-06	15	0- 45	0.2887E-05	90-135	0.2873E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.7818E-06	82.5-127.5	0.7729E-06	30	0- 45	0.2586E-05	90-135	0.2561E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.5964E-06	82.5-127.5	0.5870E-06	45	0- 45	0.2103E-05	90-135	0.2072E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.3705E-06	82.5-127.5	0.3624E-06	60	0- 45	0.1474E-05	90-135	0.1445E-05
75-89.71	0.7976E-04	-7.5 TO 37.5	0.1238E-06	82.5-127.5	0.1187E-06	75	0- 45	0.7485E-06	90-135	0.7263E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.9788E-06	82.5-142.5	0.9757E-06	0	0- 60	0.3977E-05	90-150	0.3977E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.9123E-06	82.5-142.5	0.9055E-06	15	0- 60	0.3848E-05	90-150	0.3829E-05
30-45.00	0.6658E-04	-7.5 TO 52.5	0.7814E-06	82.5-142.5	0.7721E-06	30	0- 60	0.3446E-05	90-150	0.3412E-05
45-60.00	0.8677E-04	-7.5 TO 52.5	0.5960E-06	82.5-142.5	0.5861E-06	45	0- 60	0.2802E-05	90-150	0.2760E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.3701E-06	82.5-142.5	0.3617E-06	60	0- 60	0.1964E-05	90-150	0.1924E-05
75-89.71	0.1063E-03	-7.5 TO 52.5	0.1235E-06	82.5-142.5	0.1182E-06	75	0- 60	0.9963E-06	90-150	0.9660E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.9786E-06	82.5-157.5	0.9754E-06	0	0- 75	0.4971E-05	90-165	0.4971E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.9119E-06	82.5-157.5	0.9050E-06	15	0- 75	0.4809E-05	90-165	0.4784E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.7808E-06	82.5-157.5	0.7714E-06	30	0- 75	0.4305E-05	90-165	0.4262E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.5954E-06	82.5-157.5	0.5853E-06	45	0- 75	0.3498E-05	90-165	0.3446E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.3696E-06	82.5-157.5	0.3610E-06	60	0- 75	0.2451E-05	90-165	0.2401E-05
75-89.71	0.1329E-03	-7.5 TO 67.5	0.1232E-06	82.5-157.5	0.1178E-06	75	0- 75	0.1243E-05	90-165	0.1205E-05
0-15.00	0.2141E-04	-7.5 TO 82.5	0.9784E-06	82.5-172.5	0.9752E-06	0	0- 90	0.5965E-05	90-180	0.5965E-05
15-30.00	0.6278E-04	-7.5 TO 82.5	0.9114E-06	82.5-172.5	0.9045E-06	15	0- 90	0.5768E-05	90-180	0.5740E-05
30-45.00	0.9988E-04	-7.5 TO 82.5	0.7802E-06	82.5-172.5	0.7707E-06	30	0- 90	0.5162E-05	90-180	0.5112E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.5946E-06	82.5-172.5	0.5846E-06	45	0- 90	0.4193E-05	90-180	0.4132E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.3690E-06	82.5-172.5	0.3604E-06	60	0- 90	0.2937E-05	90-180	0.2878E-05
75-89.71	0.1595E-03	-7.5 TO 82.5	0.1228E-06	82.5-172.5	0.1175E-06	75	0- 90	0.1488E-05	90-180	0.1444E-05
0-15.00	0.2498E-04	-7.5 TO 97.5	0.9781E-06	82.5-187.5	0.9750E-06	0	0-105	0.6959E-05	90-195	0.6959E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.9108E-06	82.5-187.5	0.9042E-06	15	0-105	0.6727E-05	90-195	0.6695E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.7794E-06	82.5-187.5	0.7703E-06	30	0-105	0.6017E-05	90-195	0.5961E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.5938E-06	82.5-187.5	0.5841E-06	45	0-105	0.4886E-05	90-195	0.4818E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.3683E-06	82.5-187.5	0.3600E-06	60	0-105	0.3420E-05	90-195	0.3356E-05
75-89.71	0.1861E-03	-7.5 TO 97.5	0.1224E-06	82.5-187.5	0.1172E-06	75	0-105	0.1731E-05	90-195	0.1682E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(f) Concluded. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0037$ $\cosh \mu_2 = 99.9925$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 89.43$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.1047E-05	82.5- 97.5	0.1044E-05	0	0- 15	0.1063E-05	90-105	0.1063E-05
15-30.00	0.1046E-04	-7.5 TO 7.5	0.9776E-06	82.5- 97.5	0.9701E-06	15	0- 15	0.1030E-05	90-105	0.1024E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.8389E-06	82.5- 97.5	0.8283E-06	30	0- 15	0.9242E-06	90-105	0.9140E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.6404E-06	82.5- 97.5	0.6296E-06	45	0- 15	0.7525E-06	90-105	0.7403E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.3982E-06	82.5- 97.5	0.3893E-06	60	0- 15	0.5282E-06	90-105	0.5167E-06
75-89.71	0.2659E-04	-7.5 TO 7.5	0.1332E-06	82.5- 97.5	0.1280E-06	75	0- 15	0.2685E-06	90-105	0.2602E-06
0-15.00	0.7138E-05	-7.5 TO 22.5	0.1047E-05	82.5-112.5	0.1044E-05	0	0- 30	0.2126E-05	90-120	0.2126E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.9775E-06	82.5-112.5	0.9692E-06	15	0- 30	0.2060E-05	90-120	0.2048E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.8384E-06	82.5-112.5	0.8270E-06	30	0- 30	0.1848E-05	90-120	0.1826E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.6402E-06	82.5-112.5	0.6283E-06	45	0- 30	0.1504E-05	90-120	0.1478E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.3981E-06	82.5-112.5	0.3881E-06	60	0- 30	0.1056E-05	90-120	0.1031E-05
75-89.71	0.5317E-04	-7.5 TO 22.5	0.1331E-06	82.5-112.5	0.1274E-06	75	0- 30	0.5365E-06	90-120	0.5185E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1047E-05	82.5-127.5	0.1043E-05	0	0- 45	0.3188E-05	90-135	0.3188E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.9772E-06	82.5-127.5	0.9683E-06	15	0- 45	0.3089E-05	90-135	0.3070E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.8380E-06	82.5-127.5	0.8257E-06	30	0- 45	0.2770E-05	90-135	0.2735E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.6398E-06	82.5-127.5	0.6269E-06	45	0- 45	0.2255E-05	90-135	0.2213E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.3977E-06	82.5-127.5	0.3870E-06	60	0- 45	0.1582E-05	90-135	0.1543E-05
75-89.71	0.7976E-04	-7.5 TO 37.5	0.1329E-06	82.5-127.5	0.1268E-06	75	0- 45	0.8036E-06	90-135	0.7752E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1047E-05	82.5-142.5	0.1043E-05	0	0- 60	0.4251E-05	90-150	0.4251E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.9767E-06	82.5-142.5	0.9674E-06	15	0- 60	0.4118E-05	90-150	0.4091E-05
30-45.00	0.6658E-04	-7.5 TO 52.5	0.8374E-06	82.5-142.5	0.8246E-06	30	0- 60	0.3691E-05	90-150	0.3644E-05
45-60.00	0.8677E-04	-7.5 TO 52.5	0.6391E-06	82.5-142.5	0.6257E-06	45	0- 60	0.3003E-05	90-150	0.2946E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.3972E-06	82.5-142.5	0.3860E-06	60	0- 60	0.2106E-05	90-150	0.2053E-05
75-89.71	0.1063E-03	-7.5 TO 52.5	0.1326E-06	82.5-142.5	0.1262E-06	75	0- 60	0.1069E-05	90-150	0.1031E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1047E-05	82.5-157.5	0.1042E-05	0	0- 75	0.5314E-05	90-165	0.5314E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.9762E-06	82.5-157.5	0.9667E-06	15	0- 75	0.5145E-05	90-165	0.5111E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.8366E-06	82.5-157.5	0.8236E-06	30	0- 75	0.4610E-05	90-165	0.4550E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.6383E-06	82.5-157.5	0.6247E-06	45	0- 75	0.3749E-05	90-165	0.3678E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.3965E-06	82.5-157.5	0.3852E-06	60	0- 75	0.2628E-05	90-165	0.2562E-05
75-89.71	0.1329E-03	-7.5 TO 67.5	0.1322E-06	82.5-157.5	0.1257E-06	75	0- 75	0.1333E-05	90-165	0.1285E-05
0-15.00	0.2141E-04	-7.5 TO 82.5	0.1046E-05	82.5-172.5	0.1042E-05	0	0- 90	0.6377E-05	90-180	0.6377E-05
15-30.00	0.6278E-04	-7.5 TO 82.5	0.9755E-06	82.5-172.5	0.9661E-06	15	0- 90	0.6171E-05	90-180	0.6131E-05
30-45.00	0.9588E-04	-7.5 TO 82.5	0.8356E-06	82.5-172.5	0.8227E-06	30	0- 90	0.5526E-05	90-180	0.5457E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.6373E-06	82.5-172.5	0.6238E-06	45	0- 90	0.4492E-05	90-180	0.4409E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.3957E-06	82.5-172.5	0.3844E-06	60	0- 90	0.3147E-05	90-180	0.3070E-05
75-89.71	0.1595E-03	-7.5 TO 82.5	0.1318E-06	82.5-172.5	0.1253E-06	75	0- 90	0.1595E-05	90-180	0.1539E-05
0-15.00	0.2498E-04	-7.5 TO 97.5	0.1046E-05	82.5-187.5	0.1042E-05	0	0-105	0.7440E-05	90-195	0.7440E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.9747E-06	82.5-187.5	0.9656E-06	15	0-105	0.7195E-05	90-195	0.7151E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.8346E-06	82.5-187.5	0.8221E-06	30	0-105	0.6440E-05	90-195	0.6363E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.6362E-06	82.5-187.5	0.6231E-06	45	0-105	0.5232E-05	90-195	0.5140E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.3948E-06	82.5-187.5	0.3839E-06	60	0-105	0.3664E-05	90-195	0.3578E-05
75-89.71	0.1861E-03	-7.5 TO 97.5	0.1312E-06	82.5-187.5	0.1249E-06	75	0-105	0.1855E-05	90-195	0.1793E-05

$r_2/r_1 = 0.50$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0037$ $\cosh \mu_2 = 99.9925$ $\alpha_{2,max} = 90.29$ $\theta_{2,min} = 89.14$

0-15.00	0.3569E-05	-7.5 TO 7.5	0.1047E-05	82.5- 97.5	0.1044E-05	0	0- 15	0.1063E-05	90-105	0.1063E-05
15-30.00	0.1046E-04	-7.5 TO 7.5	0.9776E-06	82.5- 97.5	0.9701E-06	15	0- 15	0.1030E-05	90-105	0.1024E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.8389E-06	82.5- 97.5	0.8283E-06	30	0- 15	0.9242E-06	90-105	0.9140E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.6404E-06	82.5- 97.5	0.6296E-06	45	0- 15	0.7525E-06	90-105	0.7403E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.3982E-06	82.5- 97.5	0.3893E-06	60	0- 15	0.5282E-06	90-105	0.5167E-06
75-89.71	0.2659E-04	-7.5 TO 7.5	0.1332E-06	82.5- 97.5	0.1280E-06	75	0- 15	0.2685E-06	90-105	0.2602E-06
0-15.00	0.7138E-05	-7.5 TO 22.5	0.1047E-05	82.5-112.5	0.1044E-05	0	0- 30	0.2126E-05	90-120	0.2126E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.9775E-06	82.5-112.5	0.9692E-06	15	0- 30	0.2060E-05	90-120	0.2048E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.8384E-06	82.5-112.5	0.8270E-06	30	0- 30	0.1848E-05	90-120	0.1826E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.6402E-06	82.5-112.5	0.6283E-06	45	0- 30	0.1504E-05	90-120	0.1478E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.3981E-06	82.5-112.5	0.3881E-06	60	0- 30	0.1056E-05	90-120	0.1031E-05
75-89.71	0.5317E-04	-7.5 TO 22.5	0.1332E-06	82.5-112.5	0.1274E-06	75	0- 30	0.5365E-06	90-120	0.5185E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1047E-05	82.5-127.5	0.1043E-05	0	0- 45	0.3188E-05	90-135	0.3188E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.9772E-06	82.5-127.5	0.9683E-06	15	0- 45	0.3089E-05	90-135	0.3070E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.8380E-06	82.5-127.5	0.8257E-06	30	0- 45	0.2770E-05	90-135	0.2735E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.6398E-06	82.5-127.5	0.6269E-06	45	0- 45	0.2255E-05	90-135	0.2213E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.3977E-06	82.5-127.5	0.3870E-06	60	0- 45	0.1582E-05	90-135	0.1543E-05
75-89.71	0.7976E-04	-7.5 TO 37.5	0.1329E-06	82.5-127.5	0.1268E-06	75	0- 45	0.8036E-06	90-135	0.7752E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1047E-05	82.5-142.5	0.1043E-05	0	0- 60	0.4251E-05	90-150	0.4251E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.9767E-06	82.5-142.5	0.9674E-06	15	0- 60	0.4118E-05	90-150	0.4091E-05
30-45.00	0.6658E-04	-7.5 TO 52.5	0.8374E-06	82.5-142.5	0.8246E-06	30	0- 60	0.3691E-05	90-150	0.3644E-05
45-60.00	0.8677E-04	-7.5 TO 52.5	0.6391E-06	82.5-142.5	0.6257E-06	45	0- 60	0.3003E-05	90-150	0.2946E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.3972E-06	82.5-142.5	0.3860E-06	60	0- 60	0.2106E-05	90-150	0.2053E-05
75-89.71	0.1063E-03	-7.5 TO 52.5	0.1326E-06	82.5-142.5	0.1262E-06	75	0- 60	0.1069E-05	90-150	0.1031E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1047E-05	82.5-157.5	0.1042E-05	0	0- 75	0.5314E-05	90-165	0.5314E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.9762E-06	82.5-157.5	0.9667E-06	15	0- 75	0.5145E-05	90-165	0.5111E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.8366E-06	82.5-157.5	0.8236E-06	30	0- 75	0.4610E-05	90-165	0.4550E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.6383E-06	82.5-157.5	0.6247E-06	45	0- 75	0.3749E-05	90-165	0.3678E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.3965E-06	82.5-157.5	0.3852E-06	60	0- 75	0.2628E-05	90-165	0.2562E-05
75-89.71	0.1329E-03	-7.5 TO 67.5	0.1322E-06	82.5-157.5	0.1257E-06	75	0- 75	0.1333E-05	90-165	0.1285E-05
0-15.00	0.2141E-04	-7.5 TO 82.5	0.1046E-05	82.5-172.5	0.1042E-05	0	0- 90	0.6377E-05	90-180	0.6377E-05
15-30.00	0.6278E-04	-7.5 TO 82.5	0.9755E-06	82.5-172.5	0.9661E-06	15	0- 90	0.6171E-05	90-180	0.6131E-05
30-45.00	0.9588E-04	-7.5 TO 82.5	0.8356E-06	82.5-172.5	0.8227E-06	30	0- 90	0.5526E-05	90-180	0.5457E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.6373E-06	82.5-172.5	0.6238E-06	45	0- 90	0.4492E-05	90-180	0.4409E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.3957E-06	82.5-172.5	0.3844E-06	60	0- 90	0.3147E-05	90-180	0.3070E-05
75-89.71	0.1595E-03	-7.5 TO 82.5	0.1318E-06	82.5-172.5	0.1253E-06	75	0- 90	0.1595E-05	90-180	0.1539E-05
0-15.00	0.2498E-04	-7.5 TO 97.5	0.1046E-05	82.5-187.5	0.1042E-05	0	0-105	0.7440E-05	90-195	0.7440E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.9747E-06	82.5-187.5	0.9656E-06	15	0-105	0.7195E-05	90-195	0.7151E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.8346E-06	82.5-187.5	0.8221E-06	30	0-105	0.6440E-05	90-195	0.6363E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.6362E-06	82.5-187.5	0.6231E-06	45	0-105	0.5232E-05	90-195	0.5140E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.3948E-06	82.5-187.5	0.3839E-06	60	0-105	0.3664E-05	90-195	0.3578E-05
75-89.71	0.1861E-03	-7.5 TO 97.5	0.1312E-06	82.5-187.5	0.1249E-06	75	0-105	0.1855E-05	90-195	0.1793E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Radius ratio, r_2/r_1, 0.60

r_2/r_1 = 0.60 d/r_1 = 1.601 $\cosh \mu_1$ = 1.0004 $\cosh \mu_2$ = 1.0010 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 19.66

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1189E 02	-7.5 TO 7.5	0.2013E 00	82.5- 97.5	0.8155E-05	0	0- 15	0.4155E-01	90-105	0.4155E-01
15-30.00	0.3486E 02	-7.5 TO 7.5	0.1955E-03	82.5- 97.5	0.	15	0- 15	0.2122E-02	90-105	0.
30-45.00	0.5543E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	30	0- 15	0.	90-105	0.
45-60.00	0.7227E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
60-75.00	0.8416E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-75.53	0.9134E 01	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.2378E 02	-7.5 TO 22.5	0.1286E 00	82.5-112.5	0.3073E-05	0	0- 30	0.8311E-01	90-120	0.8311E-01
15-30.00	0.5972E 02	-7.5 TO 22.5	0.1666E-03	82.5-112.5	0.	15	0- 30	0.3198E-02	90-120	0.
30-45.00	0.1109E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	30	0- 30	0.	90-120	0.
45-60.00	0.1445E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
60-75.00	0.1683E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-75.53	0.1826E 01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.3567E 02	-7.5 TO 37.5	0.8709E-01	82.5-127.5	0.3195E-05	0	0- 45	0.1247E 00	90-135	0.1247E 00
15-30.00	0.1246E 03	-7.5 TO 37.5	0.1309E-03	82.5-127.5	0.	15	0- 45	0.3529E-02	90-135	0.
30-45.00	0.1564E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	30	0- 45	0.	90-135	0.
45-60.00	0.2168E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
60-75.00	0.2525E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-75.53	0.9402E 01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.4756E 02	-7.5 TO 52.5	0.6621E-01	82.5-142.5	0.2758E-05	0	0- 60	0.1662E 00	90-150	0.1662E 00
15-30.00	0.1394E 03	-7.5 TO 52.5	0.1011E-03	82.5-142.5	0.	15	0- 60	0.3588E-02	90-150	0.
30-45.00	0.2218E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	30	0- 60	0.	90-150	0.
45-60.00	0.2891E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
60-75.00	0.3366E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-75.53	0.1254E 02	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.5945E 02	-7.5 TO 67.5	0.5301E-01	82.5-157.5	0.2453E-05	0	0- 75	0.2078E 00	90-165	0.2078E 00
15-30.00	0.1743E 03	-7.5 TO 67.5	0.8107E-04	82.5-157.5	0.	15	0- 75	0.3591E-02	90-165	0.
30-45.00	0.2773E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	30	0- 75	0.	90-165	0.
45-60.00	0.3613E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
60-75.00	0.4208E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-75.53	0.1567E 02	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.7134E 02	-7.5 TO 82.5	0.4418E-01	82.5-172.5	0.2230E-05	0	0- 90	0.2493E 00	90-180	0.2493E 00
15-30.00	0.2092E 03	-7.5 TO 82.5	0.6756E-04	82.5-172.5	0.	15	0- 90	0.3591E-02	90-180	0.
30-45.00	0.3327E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	30	0- 90	0.	90-180	0.
45-60.00	0.4336E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
60-75.00	0.5049E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-75.53	0.1880E 02	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.8323E 02	-7.5 TO 97.5	0.3787E-01	82.5-187.5	0.2066E-05	0	0-105	0.2909E 00	90-195	0.2909E 00
15-30.00	0.2440E 03	-7.5 TO 97.5	0.5791E-04	82.5-187.5	0.	15	0-105	0.3591E-02	90-195	0.
30-45.00	0.3882E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	30	0-105	0.	90-195	0.
45-60.00	0.5059E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.
60-75.00	0.5891E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-75.53	0.2194E 02	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

r_2/r_1 = 0.60 d/r_1 = 1.601 $\cosh \mu_1$ = 1.0004 $\cosh \mu_2$ = 1.0010 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 9.73

0-15.00	0.1189E 02	-7.5 TO 7.5	0.3917E 00	82.5- 97.5	0.5454E-05	0	0- 15	0.4155E-01	90-105	0.4155E-01
15-30.00	0.3486E 02	-7.5 TO 7.5	0.4054E-01	82.5- 97.5	0.	15	0- 15	0.1705E 00	90-105	0.
30-45.00	0.5545E 02	-7.5 TO 7.5	0.5710E-03	82.5- 97.5	0.	30	0- 15	0.2982E-02	90-105	0.
45-60.00	0.7227E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
60-75.00	0.8416E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-75.53	0.9134E 01	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.2378E 02	-7.5 TO 22.5	0.2684E 00	82.5-112.5	0.4022E-05	0	0- 30	0.8311E-01	90-120	0.8311E-01
15-30.00	0.5972E 02	-7.5 TO 22.5	0.3263E-01	82.5-112.5	0.	15	0- 30	0.2205E 00	90-120	0.
30-45.00	0.1109E 03	-7.5 TO 22.5	0.4958E-03	82.5-112.5	0.	30	0- 30	0.4647E-02	90-120	0.
45-60.00	0.1445E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
60-75.00	0.1683E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-75.53	0.6268E 01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.3567E 02	-7.5 TO 37.5	0.1870E 00	82.5-127.5	0.3295E-05	0	0- 45	0.1247E 00	90-135	0.1247E 00
15-30.00	0.1246E 03	-7.5 TO 37.5	0.2435E-01	82.5-127.5	0.	15	0- 45	0.2312E 00	90-135	0.
30-45.00	0.1564E 03	-7.5 TO 37.5	0.3865E-03	82.5-127.5	0.	30	0- 45	0.5184E-02	90-135	0.
45-60.00	0.2168E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
60-75.00	0.2525E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-75.53	0.9402E 01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.4756E 02	-7.5 TO 52.5	0.1414E 00	82.5-142.5	0.2833E-05	0	0- 60	0.1662E 00	90-150	0.1662E 00
15-30.00	0.1394E 03	-7.5 TO 52.5	0.1875E-01	82.5-142.5	0.	15	0- 60	0.2333E 00	90-150	0.
30-45.00	0.2218E 03	-7.5 TO 52.5	0.2979E-03	82.5-142.5	0.	30	0- 60	0.5263E-02	90-150	0.
45-60.00	0.2891E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
60-75.00	0.3366E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-75.53	0.1254E 02	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.5945E 02	-7.5 TO 67.5	0.1132E 00	82.5-157.5	0.2513E-05	0	0- 75	0.2078E 00	90-165	0.2078E 00
15-30.00	0.1743E 03	-7.5 TO 67.5	0.1507E-01	82.5-157.5	0.	15	0- 75	0.2336E 00	90-165	0.
30-45.00	0.2773E 03	-7.5 TO 67.5	0.2386E-03	82.5-157.5	0.	30	0- 75	0.5264E-02	90-165	0.
45-60.00	0.3613E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
60-75.00	0.4208E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-75.53	0.1567E 02	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.7134E 02	-7.5 TO 82.5	0.9439E-01	82.5-172.5	0.2230E-05	0	0- 90	0.2493E 00	90-180	0.2493E 00
15-30.00	0.2092E 03	-7.5 TO 82.5	0.1257E-01	82.5-172.5	0.	15	0- 90	0.2336E 00	90-180	0.
30-45.00	0.3327E 03	-7.5 TO 82.5	0.1989E-03	82.5-172.5	0.	30	0- 90	0.5264E-02	90-180	0.
45-60.00	0.4336E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
60-75.00	0.5049E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-75.53	0.1880E 02	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.8323E 02	-7.5 TO 97.5	0.8090E-01	82.5-187.5	0.2139E-05	0	0-105	0.2909E 00	90-195	0.2909E 00
15-30.00	0.2440E 03	-7.5 TO 97.5	0.1077E-01	82.5-187.5	0.	15	0-105	0.2336E 00	90-195	0.
30-45.00	0.3882E 03	-7.5 TO 97.5	0.1705E-03	82.5-187.5	0.	30	0-105	0.5264E-02	90-195	0.
45-60.00	0.5059E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.
60-75.00	0.5891E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-75.53	0.2194E 02	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 1.601$ $\cosh \mu_1 = 1.0004$ $\cosh \mu_2 = 1.0010$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 6.31$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1189E 02	-7.5 TO 7.5	0.4066E 00	82.5- 97.5	0.5434E-05	0	0- 15	0.4155E-01	90-105	0.4155E-01
15-30.00	0.3486E 02	-7.5 TO 7.5	0.1008E 00	82.5- 97.5	0.	15	0- 15	0.2236E 00	90-105	0.
30-45.00	0.5545E 02	-7.5 TO 7.5	0.9391E-02	82.5- 97.5	0.	30	0- 15	0.2747E-01	90-105	0.
45-60.00	0.7227E 02	-7.5 TO 7.5	0.3465E-03	82.5- 97.5	0.	45	0- 15	0.1610E-02	90-105	0.
60-75.00	0.8416E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-75.53	0.3134E 01	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.2378E 02	-7.5 TO 22.5	0.2807E 00	82.5-112.5	0.4022E-05	0	0- 30	0.8311E-01	90-120	0.8311E-01
15-30.00	0.5972E 02	-7.5 TO 22.5	0.8294E-01	82.5-112.5	0.	15	0- 30	0.2931E 00	90-120	0.
30-45.00	0.1109E 03	-7.5 TO 22.5	0.8284E-02	82.5-112.5	0.	30	0- 30	0.4251E-01	90-120	0.
45-60.00	0.1445E 03	-7.5 TO 22.5	0.2992E-03	82.5-112.5	0.	45	0- 30	0.2522E-02	90-120	0.
60-75.00	0.1683E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-75.53	0.5268E 01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.3567E 02	-7.5 TO 37.5	0.1963E 00	82.5-127.5	0.3295E-05	0	0- 45	0.1247E 00	90-135	0.1247E 00
15-30.00	0.1046E 03	-7.5 TO 37.5	0.6284E-01	82.5-127.5	0.	15	0- 45	0.3054E 00	90-135	0.
30-45.00	0.1664E 03	-7.5 TO 37.5	0.6646E-02	82.5-127.5	0.	30	0- 45	0.4791E-01	90-135	0.
45-60.00	0.2168E 03	-7.5 TO 37.5	0.2296E-03	82.5-127.5	0.	45	0- 45	0.2789E-02	90-135	0.
60-75.00	0.2525E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-75.53	0.9402E 01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.4756E 02	-7.5 TO 52.5	0.1485E 00	82.5-142.5	0.2933E-05	0	0- 60	0.1662E 00	90-150	0.1662E 00
15-30.00	0.1394E 03	-7.5 TO 52.5	0.4860E-01	82.5-142.5	0.	15	0- 60	0.3081E 00	90-150	0.
30-45.00	0.2218E 03	-7.5 TO 52.5	0.5244E-02	82.5-142.5	0.	30	0- 60	0.4930E-01	90-150	0.
45-60.00	0.2891E 03	-7.5 TO 52.5	0.1750E-03	82.5-142.5	0.	45	0- 60	0.2796E-02	90-150	0.
60-75.00	0.3366E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-75.53	0.1254E 02	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.5945E 02	-7.5 TO 67.5	0.1189E 00	82.5-157.5	0.2513E-05	0	0- 75	0.2078E 00	90-165	0.2078E 00
15-30.00	0.1743E 03	-7.5 TO 67.5	0.3911E-01	82.5-157.5	0.	15	0- 75	0.3084E 00	90-165	0.
30-45.00	0.2773E 03	-7.5 TO 67.5	0.4234E-02	82.5-157.5	0.	30	0- 75	0.4951E-01	90-165	0.
45-60.00	0.3613E 03	-7.5 TO 67.5	0.1400E-03	82.5-157.5	0.	45	0- 75	0.2796E-02	90-165	0.
60-75.00	0.4208E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-75.53	0.1567E 02	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.7134E 02	-7.5 TO 82.5	0.9913E-01	82.5-172.5	0.2280E-05	0	0- 90	0.2493E 00	90-180	0.2493E 00
15-30.00	0.2092E 03	-7.5 TO 82.5	0.3261E-01	82.5-172.5	0.	15	0- 90	0.3084E 00	90-180	0.
30-45.00	0.3327E 03	-7.5 TO 82.5	0.3531E-02	82.5-172.5	0.	30	0- 90	0.4952E-01	90-180	0.
45-60.00	0.4336E 03	-7.5 TO 82.5	0.1167E-03	82.5-172.5	0.	45	0- 90	0.2796E-02	90-180	0.
60-75.00	0.5049E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-75.53	0.1880E 02	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.8323E 02	-7.5 TO 97.5	0.8497E-01	82.5-187.5	0.2109E-05	0	0-105	0.2909E 00	90-195	0.2909E 00
15-30.00	0.2440E 03	-7.5 TO 97.5	0.2795E-01	82.5-187.5	0.	15	0-105	0.3084E 00	90-195	0.
30-45.00	0.3882E 03	-7.5 TO 97.5	0.3026E-02	82.5-187.5	0.	30	0-105	0.4952E-01	90-195	0.
45-60.00	0.5059E 03	-7.5 TO 97.5	0.1000E-03	82.5-187.5	0.	45	0-105	0.2796E-02	90-195	0.
60-75.00	0.5891E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-75.53	0.2194E 02	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

$r_2/r_1 = 0.60$ $d/r_1 = 1.601$ $\cosh \mu_1 = 1.0004$ $\cosh \mu_2 = 1.0010$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 4.53$

0-15.00	0.1189E 02	-7.5 TO 7.5	0.4070E 00	82.5- 97.5	0.5454E-05	0	0- 15	0.4155E-01	90-105	0.4155E-01
15-30.00	0.3486E 02	-7.5 TO 7.5	0.1203E 00	82.5- 97.5	0.	15	0- 15	0.2223E 00	90-105	0.
30-45.00	0.5545E 02	-7.5 TO 7.5	0.2225E-01	82.5- 97.5	0.	30	0- 15	0.4977E-01	90-105	0.
45-60.00	0.7227E 02	-7.5 TO 7.5	0.2495E-02	82.5- 97.5	0.	45	0- 15	0.6895E-02	90-105	0.
60-75.00	0.8416E 02	-7.5 TO 7.5	0.3689E-04	82.5- 97.5	0.	60	0- 15	0.2839E-03	90-105	0.
75-75.53	0.3134E 01	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.2378E 02	-7.5 TO 22.5	0.2811E 00	82.5-112.5	0.4022E-05	0	0- 30	0.8311E-01	90-120	0.8311E-01
15-30.00	0.5972E 02	-7.5 TO 22.5	0.9986E-01	82.5-112.5	0.	15	0- 30	0.2922E 00	90-120	0.
30-45.00	0.1109E 03	-7.5 TO 22.5	0.1975E-01	82.5-112.5	0.	30	0- 30	0.7757E-01	90-120	0.
45-60.00	0.1445E 03	-7.5 TO 22.5	0.2230E-02	82.5-112.5	0.	45	0- 30	0.1124E-01	90-120	0.
60-75.00	0.1683E 03	-7.5 TO 22.5	0.2933E-04	82.5-112.5	0.	60	0- 30	0.3996E-03	90-120	0.
75-75.53	0.5268E 01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.3567E 02	-7.5 TO 37.5	0.1966E 00	82.5-127.5	0.3295E-05	0	0- 45	0.1247E 00	90-135	0.1247E 00
15-30.00	0.1046E 03	-7.5 TO 37.5	0.7614E-01	82.5-127.5	0.	15	0- 45	0.3375E 00	90-135	0.
30-45.00	0.1664E 03	-7.5 TO 37.5	0.1600E-01	82.5-127.5	0.	30	0- 45	0.8775E-01	90-135	0.
45-60.00	0.2168E 03	-7.5 TO 37.5	0.1803E-02	82.5-127.5	0.	45	0- 45	0.1299E-01	90-135	0.
60-75.00	0.2525E 03	-7.5 TO 37.5	0.2075E-04	82.5-127.5	0.	60	0- 45	0.4065E-03	90-135	0.
75-75.53	0.9402E 01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.4756E 02	-7.5 TO 52.5	0.1487E 00	82.5-142.5	0.2933E-05	0	0- 60	0.1662E 00	90-150	0.1662E 00
15-30.00	0.1394E 03	-7.5 TO 52.5	0.5897E-01	82.5-142.5	0.	15	0- 60	0.3102E 00	90-150	0.
30-45.00	0.2218E 03	-7.5 TO 52.5	0.1272E-01	82.5-142.5	0.	30	0- 60	0.9032E-01	90-150	0.
45-60.00	0.2891E 03	-7.5 TO 52.5	0.1417E-02	82.5-142.5	0.	45	0- 60	0.1339E-01	90-150	0.
60-75.00	0.3366E 03	-7.5 TO 52.5	0.1558E-04	82.5-142.5	0.	60	0- 60	0.4065E-03	90-150	0.
75-75.53	0.1254E 02	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.5945E 02	-7.5 TO 67.5	0.1191E 00	82.5-157.5	0.2513E-05	0	0- 75	0.2078E 00	90-165	0.2078E 00
15-30.00	0.1743E 03	-7.5 TO 67.5	0.4745E-01	82.5-157.5	0.	15	0- 75	0.3106E 00	90-165	0.
30-45.00	0.2773E 03	-7.5 TO 67.5	0.1029E-01	82.5-157.5	0.	30	0- 75	0.9063E-01	90-165	0.
45-60.00	0.3613E 03	-7.5 TO 67.5	0.1140E-02	82.5-157.5	0.	45	0- 75	0.1342E-01	90-165	0.
60-75.00	0.4208E 03	-7.5 TO 67.5	0.1247E-04	82.5-157.5	0.	60	0- 75	0.4065E-03	90-165	0.
75-75.53	0.1567E 02	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.7134E 02	-7.5 TO 82.5	0.9926E-01	82.5-172.5	0.2280E-05	0	0- 90	0.2493E 00	90-180	0.2493E 00
15-30.00	0.2092E 03	-7.5 TO 82.5	0.3956E-01	82.5-172.5	0.	15	0- 90	0.3106E 00	90-180	0.
30-45.00	0.3327E 03	-7.5 TO 82.5	0.8583E-02	82.5-172.5	0.	30	0- 90	0.9064E-01	90-180	0.
45-60.00	0.4336E 03	-7.5 TO 82.5	0.9499E-03	82.5-172.5	0.	45	0- 90	0.1342E-01	90-180	0.
60-75.00	0.5049E 03	-7.5 TO 82.5	0.1039E-04	82.5-172.5	0.	60	0- 90	0.4065E-03	90-180	0.
75-75.53	0.1880E 02	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.8323E 02	-7.5 TO 97.5	0.8508E-01	82.5-187.5	0.2109E-05	0	0-105	0.2909E 00	90-195	0.2909E 00
15-30.00	0.2440E 03	-7.5 TO 97.5	0.3391E-01	82.5-187.5	0.	15	0-105	0.3106E 00	90-195	0.
30-45.00	0.3882E 03	-7.5 TO 97.5	0.7357E-02	82.5-187.5	0.	30	0-105	0.9064E-01	90-195	0.
45-60.00	0.5059E 03	-7.5 TO 97.5	0.8142E-03	82.5-187.5	0.	45	0-105	0.1342E-01	90-195	0.
60-75.00	0.5891E 03	-7.5 TO 97.5	0.8904E-05	82.5-187.5	0.	60	0-105	0.4065E-03	90-195	0.
75-75.53	0.2194E 02	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 1.601$ $\cosh \mu_1 = 1.0004$ $\cosh \mu_2 = 1.0010$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 3.41$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1189E 02	-7.5 TO 7.5	0.4070E 00	82.5- 97.5	0.5454E-05	0	0- 15	0.4155E-01	90-105	0.4155E-01
15-30.00	0.3486E 02	-7.5 TO 7.5	0.1234E 00	82.5- 97.5	0.	15	0- 15	0.2223E 00	90-105	0.
30-45.00	0.5545E 02	-7.5 TO 7.5	0.2894E-01	82.5- 97.5	0.	30	0- 15	0.5669E-01	90-105	0.
45-60.00	0.7227E 02	-7.5 TO 7.5	0.4928E-02	82.5- 97.5	0.	45	0- 15	0.1133E-01	90-105	0.
60-75.00	0.8416E 02	-7.5 TO 7.5	0.2819E-03	82.5- 97.5	0.	60	0- 15	0.1187E-02	90-105	0.
75-75.53	0.3134E 01	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.2378E 02	-7.5 TO 22.5	0.2811E 00	82.5-112.5	0.4022E-05	0	0- 30	0.8311E-01	90-120	0.8311E-01
15-30.00	0.6972E 02	-7.5 TO 22.5	0.1025E 00	82.5-112.5	0.	15	0- 30	0.2922E 00	90-120	0.
30-45.00	0.1109E 03	-7.5 TO 22.5	0.2579E-01	82.5-112.5	0.	30	0- 30	0.8854E-01	90-120	0.
45-60.00	0.1445E 03	-7.5 TO 22.5	0.4452E-02	82.5-112.5	0.	45	0- 30	0.1865E-01	90-120	0.
60-75.00	0.1683E 03	-7.5 TO 22.5	0.2441E-03	82.5-112.5	0.	60	0- 30	0.1873E-02	90-120	0.
75-75.53	0.6268E 01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.3567E 02	-7.5 TO 37.5	0.1966E 00	82.5-127.5	0.3295E-05	0	0- 45	0.1247E 00	90-135	0.1247E 00
15-30.00	0.1046E 03	-7.5 TO 37.5	0.7818E-01	82.5-127.5	0.	15	0- 45	0.3075E 00	90-135	0.
30-45.00	0.1664E 03	-7.5 TO 37.5	0.2095E-01	82.5-127.5	0.	30	0- 45	0.9992E-01	90-135	0.
45-60.00	0.2168E 03	-7.5 TO 37.5	0.3660E-02	82.5-127.5	0.	45	0- 45	0.2174E-01	90-135	0.
60-75.00	0.2525E 03	-7.5 TO 37.5	0.1874E-03	82.5-127.5	0.	60	0- 45	0.2065E-02	90-135	0.
75-75.53	0.9402E 01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.4756E 02	-7.5 TO 52.5	0.1487E 00	82.5-142.5	0.2833E-05	0	0- 60	0.1662E 00	90-150	0.1662E 00
15-30.00	0.1394E 03	-7.5 TO 52.5	0.6054E-01	82.5-142.5	0.	15	0- 60	0.3102E 00	90-150	0.
30-45.00	0.2218E 03	-7.5 TO 52.5	0.1665E-01	82.5-142.5	0.	30	0- 60	0.1026E 00	90-150	0.
45-60.00	0.2891E 03	-7.5 TO 52.5	0.2910E-02	82.5-142.5	0.	45	0- 60	0.2251E-01	90-150	0.
60-75.00	0.3366E 03	-7.5 TO 52.5	0.1428E-03	82.5-142.5	0.	60	0- 60	0.2076E-02	90-150	0.
75-75.53	0.1254E 02	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.5945E 02	-7.5 TO 67.5	0.1191E 00	82.5-157.5	0.2513E-05	0	0- 75	0.2078E 00	90-165	0.2078E 00
15-30.00	0.1743E 03	-7.5 TO 67.5	0.4870E-01	82.5-157.5	0.	15	0- 75	0.3106E 00	90-165	0.
30-45.00	0.2773E 03	-7.5 TO 67.5	0.1346E-01	82.5-157.5	0.	30	0- 75	0.1029E 00	90-165	0.
45-60.00	0.3613E 03	-7.5 TO 67.5	0.2347E-02	82.5-157.5	0.	45	0- 75	0.2256E-01	90-165	0.
60-75.00	0.4208E 03	-7.5 TO 67.5	0.1142E-03	82.5-157.5	0.	60	0- 75	0.2076E-02	90-165	0.
75-75.53	0.1567E 02	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.7134E 02	-7.5 TO 82.5	0.9926E-01	82.5-172.5	0.2280E-05	0	0- 90	0.2493E 00	90-180	0.2493E 00
15-30.00	0.2092E 03	-7.5 TO 82.5	0.4060E-01	82.5-172.5	0.	15	0- 90	0.3106E 00	90-180	0.
30-45.00	0.3327E 03	-7.5 TO 82.5	0.1122E-01	82.5-172.5	0.	30	0- 90	0.1029E 00	90-180	0.
45-60.00	0.4336E 03	-7.5 TO 82.5	0.1956E-02	82.5-172.5	0.	45	0- 90	0.2256E-01	90-180	0.
60-75.00	0.5049E 03	-7.5 TO 82.5	0.9520E-04	82.5-172.5	0.	60	0- 90	0.2076E-02	90-180	0.
75-75.53	0.1880E 02	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.8323E 02	-7.5 TO 97.5	0.8508E-01	82.5-187.5	0.2109E-05	0	0-105	0.2909E 00	90-195	0.2909E 00
15-30.00	0.2440E 03	-7.5 TO 97.5	0.3480E-01	82.5-187.5	0.	15	0-105	0.3106E 00	90-195	0.
30-45.00	0.3882E 03	-7.5 TO 97.5	0.9620E-02	82.5-187.5	0.	30	0-105	0.1029E 00	90-195	0.
45-60.00	0.5059E 03	-7.5 TO 97.5	0.1677E-02	82.5-187.5	0.	45	0-105	0.2256E-01	90-195	0.
60-75.00	0.5891E 03	-7.5 TO 97.5	0.8160E-04	82.5-187.5	0.	60	0-105	0.2076E-02	90-195	0.
75-75.53	0.2194E 02	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

$r_2/r_1 = 0.60$ $d/r_1 = 1.601$ $\cosh \mu_1 = 1.0004$ $\cosh \mu_2 = 1.0010$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 2.61$

0-15.00	0.1189E 02	-7.5 TO 7.5	0.4070E 00	82.5- 97.5	0.5454E-05	0	0- 15	0.4155E-01	90-105	0.4155E-01
15-30.00	0.3486E 02	-7.5 TO 7.5	0.1235E 00	82.5- 97.5	0.	15	0- 15	0.2223E 00	90-105	0.
30-45.00	0.5549E 02	-7.5 TO 7.5	0.3049E-01	82.5- 97.5	0.	30	0- 15	0.5707E-01	90-105	0.
45-60.00	0.7227E 02	-7.5 TO 7.5	0.6161E-02	82.5- 97.5	0.	45	0- 15	0.1138E-01	90-105	0.
60-75.00	0.8416E 02	-7.5 TO 7.5	0.5331E-03	82.5- 97.5	0.	60	0- 15	0.1826E-02	90-105	0.
75-75.53	0.3134E 01	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.2378E 02	-7.5 TO 22.5	0.2811E 00	82.5-112.5	0.4022E-05	0	0- 30	0.8311E-01	90-120	0.8311E-01
15-30.00	0.6972E 02	-7.5 TO 22.5	0.1026E 00	82.5-112.5	0.	15	0- 30	0.2922E 00	90-120	0.
30-45.00	0.1109E 03	-7.5 TO 22.5	0.2715E-01	82.5-112.5	0.	30	0- 30	0.8903E-01	90-120	0.
45-60.00	0.1445E 03	-7.5 TO 22.5	0.5574E-02	82.5-112.5	0.	45	0- 30	0.2152E-01	90-120	0.
60-75.00	0.1683E 03	-7.5 TO 22.5	0.4677E-03	82.5-112.5	0.	60	0- 30	0.2937E-02	90-120	0.
75-75.53	0.6268E 01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.3567E 02	-7.5 TO 37.5	0.1966E 00	82.5-127.5	0.3295E-05	0	0- 45	0.1247E 00	90-135	0.1247E 00
15-30.00	0.1046E 03	-7.5 TO 37.5	0.7823E-01	82.5-127.5	0.	15	0- 45	0.3075E 00	90-135	0.
30-45.00	0.1664E 03	-7.5 TO 37.5	0.2202E-01	82.5-127.5	0.	30	0- 45	0.1004E 00	90-135	0.
45-60.00	0.2168E 03	-7.5 TO 37.5	0.4586E-02	82.5-127.5	0.	45	0- 45	0.2498E-01	90-135	0.
60-75.00	0.2525E 03	-7.5 TO 37.5	0.3661E-03	82.5-127.5	0.	60	0- 45	0.3294E-02	90-135	0.
75-75.53	0.9402E 01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.4756E 02	-7.5 TO 52.5	0.1487E 00	82.5-142.5	0.2833E-05	0	0- 60	0.1662E 00	90-150	0.1662E 00
15-30.00	0.1394E 03	-7.5 TO 52.5	0.6058E-01	82.5-142.5	0.	15	0- 60	0.3102E 00	90-150	0.
30-45.00	0.2218E 03	-7.5 TO 52.5	0.1746E-01	82.5-142.5	0.	30	0- 60	0.1031E 00	90-150	0.
45-60.00	0.2891E 03	-7.5 TO 52.5	0.3640E-02	82.5-142.5	0.	45	0- 60	0.2577E-01	90-150	0.
60-75.00	0.3366E 03	-7.5 TO 52.5	0.2812E-03	82.5-142.5	0.	60	0- 60	0.3326E-02	90-150	0.
75-75.53	0.1254E 02	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.5945E 02	-7.5 TO 67.5	0.1191E 00	82.5-157.5	0.2513E-05	0	0- 75	0.2078E 00	90-165	0.2078E 00
15-30.00	0.1743E 03	-7.5 TO 67.5	0.4873E-01	82.5-157.5	0.	15	0- 75	0.3106E 00	90-165	0.
30-45.00	0.2773E 03	-7.5 TO 67.5	0.1411E-01	82.5-157.5	0.	30	0- 75	0.1034E 00	90-165	0.
45-60.00	0.3613E 03	-7.5 TO 67.5	0.2934E-02	82.5-157.5	0.	45	0- 75	0.2583E-01	90-165	0.
60-75.00	0.4208E 03	-7.5 TO 67.5	0.2251E-03	82.5-157.5	0.	60	0- 75	0.3326E-02	90-165	0.
75-75.53	0.1567E 02	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.7134E 02	-7.5 TO 82.5	0.9926E-01	82.5-172.5	0.2280E-05	0	0- 90	0.2493E 00	90-180	0.2493E 00
15-30.00	0.2092E 03	-7.5 TO 82.5	0.4063E-01	82.5-172.5	0.	15	0- 90	0.3106E 00	90-180	0.
30-45.00	0.3327E 03	-7.5 TO 82.5	0.1177E-01	82.5-172.5	0.	30	0- 90	0.1034E 00	90-180	0.
45-60.00	0.4336E 03	-7.5 TO 82.5	0.2445E-02	82.5-172.5	0.	45	0- 90	0.2583E-01	90-180	0.
60-75.00	0.5049E 03	-7.5 TO 82.5	0.1876E-03	82.5-172.5	0.	60	0- 90	0.3326E-02	90-180	0.
75-75.53	0.1880E 02	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.8323E 02	-7.5 TO 97.5	0.8508E-01	82.5-187.5	0.2109E-05	0	0-105	0.2909E 00	90-195	0.2909E 00
15-30.00	0.2440E 03	-7.5 TO 97.5	0.3483E-01	82.5-187.5	0.	15	0-105	0.3106E 00	90-195	0.
30-45.00	0.3882E 03	-7.5 TO 97.5	0.1009E-01	82.5-187.5	0.	30	0-105	0.1034E 00	90-195	0.
45-60.00	0.5059E 03	-7.5 TO 97.5	0.2095E-02	82.5-187.5	0.	45	0-105	0.2583E-01	90-195	0.
60-75.00	0.5891E 03	-7.5 TO 97.5	0.1608E-03	82.5-187.5	0.	60	0-105	0.3326E-02	90-195	0.
75-75.53	0.2194E 02	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 1.601$ $\cosh \mu_1 = 1.0004$ $\cosh \mu_2 = 1.0010$ $\alpha_{2,max} = 104.47$ $\theta_{2,min} = 2.03$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1189E 02	-7.5 TO 7.5	0.4070E 00	82.5- 97.5	0.5454E-05	0	0- 15	0.4155E-01	90-105	0.4155E-01
15-30.00	0.3486E 02	-7.5 TO 7.5	0.1235E 00	82.5- 97.5	0.	15	0- 15	0.2223E 00	90-105	0.
30-45.00	0.5544E 02	-7.5 TO 7.5	0.3052E-01	82.5- 97.5	0.	30	0- 15	0.5707E-01	90-105	0.
45-60.00	0.7227E 02	-7.5 TO 7.5	0.6348E-02	82.5- 97.5	0.	45	0- 15	0.1321E-01	90-105	0.
60-75.00	0.8416E 02	-7.5 TO 7.5	0.5968E-03	82.5- 97.5	0.	60	0- 15	0.1974E-02	90-105	0.
75-75.53	0.3134E 01	-7.5 TO 7.5	0.2761E-06	82.5- 97.5	0.	75	0- 15	0.6258E-06	90-105	0.
0-15.00	0.2378E 02	-7.5 TO 22.5	0.2811E 00	82.5-112.5	0.4022E-05	0	0- 30	0.8311E-01	90-120	0.8311E-01
15-30.00	0.5972E 02	-7.5 TO 22.5	0.1026E 00	82.5-112.5	0.	15	0- 30	0.2922E 00	90-120	0.
30-45.00	0.1109E 03	-7.5 TO 22.5	0.2710E-01	82.5-112.5	0.	30	0- 30	0.8903E-01	90-120	0.
45-60.00	0.1445E 03	-7.5 TO 22.5	0.5733E-02	82.5-112.5	0.	45	0- 30	0.2167E-01	90-120	0.
60-75.00	0.1683E 03	-7.5 TO 22.5	0.5289E-03	82.5-112.5	0.	60	0- 30	0.3161E-02	90-120	0.
75-75.53	0.6268E 01	-7.5 TO 22.5	0.1566E-06	82.5-112.5	0.	75	0- 30	0.6258E-06	90-120	0.
0-15.00	0.3567E 02	-7.5 TO 37.5	0.1966E 00	82.5-127.5	0.3295E-05	0	0- 45	0.1247E 00	90-135	0.1247E 00
15-30.00	0.1046E 03	-7.5 TO 37.5	0.7023E-01	82.5-127.5	0.	15	0- 45	0.3075E 00	90-135	0.
30-45.00	0.1664E 03	-7.5 TO 37.5	0.2294E-01	82.5-127.5	0.	30	0- 45	0.1004E 00	90-135	0.
45-60.00	0.2166E 03	-7.5 TO 37.5	0.4704E-02	82.5-127.5	0.	45	0- 45	0.2514E-01	90-135	0.
60-75.00	0.2525E 03	-7.5 TO 37.5	0.4106E-03	82.5-127.5	0.	60	0- 45	0.3531E-02	90-135	0.
75-75.53	0.9402E 01	-7.5 TO 37.5	0.1044E-06	82.5-127.5	0.	75	0- 45	0.6258E-06	90-135	0.
0-15.00	0.4756E 02	-7.5 TO 52.5	0.1487E 00	82.5-142.5	0.2833E-05	0	0- 60	0.1662E 00	90-150	0.1662E 00
15-30.00	0.1394E 03	-7.5 TO 52.5	0.5058E-01	82.5-142.5	0.	15	0- 60	0.3102E 00	90-150	0.
30-45.00	0.2218E 03	-7.5 TO 52.5	0.1748E-01	82.5-142.5	0.	30	0- 60	0.1031E 00	90-150	0.
45-60.00	0.2891E 03	-7.5 TO 52.5	0.3729E-02	82.5-142.5	0.	45	0- 60	0.2593E-01	90-150	0.
60-75.00	0.3366E 03	-7.5 TO 52.5	0.3150E-03	82.5-142.5	0.	60	0- 60	0.3562E-02	90-150	0.
75-75.53	0.1254E 02	-7.5 TO 52.5	0.7830E-07	82.5-142.5	0.	75	0- 60	0.6258E-06	90-150	0.
0-15.00	0.5945E 02	-7.5 TO 67.5	0.1191E 00	82.5-157.5	0.2513E-05	0	0- 75	0.2078E 00	90-165	0.2078E 00
15-30.00	0.1743E 03	-7.5 TO 67.5	0.4873E-01	82.5-157.5	0.	15	0- 75	0.3106E 00	90-165	0.
30-45.00	0.2773E 03	-7.5 TO 67.5	0.1412E-01	82.5-157.5	0.	30	0- 75	0.1034E 00	90-165	0.
45-60.00	0.3613E 03	-7.5 TO 67.5	0.3004E-02	82.5-157.5	0.	45	0- 75	0.2599E-01	90-165	0.
60-75.00	0.4208E 03	-7.5 TO 67.5	0.2521E-03	82.5-157.5	0.	60	0- 75	0.3562E-02	90-165	0.
75-75.53	0.1567E 02	-7.5 TO 67.5	0.6264E-07	82.5-157.5	0.	75	0- 75	0.6258E-06	90-165	0.
0-15.00	0.7134E 02	-7.5 TO 82.5	0.9926E-01	82.5-172.5	0.2293E-05	0	0- 90	0.2493E 00	90-180	0.2493E 00
15-30.00	0.2092E 03	-7.5 TO 82.5	0.4063E-01	82.5-172.5	0.	15	0- 90	0.3106E 00	90-180	0.
30-45.00	0.3327E 03	-7.5 TO 82.5	0.1178E-01	82.5-172.5	0.	30	0- 90	0.1034E 00	90-180	0.
45-60.00	0.4338E 03	-7.5 TO 82.5	0.2504E-02	82.5-172.5	0.	45	0- 90	0.2599E-01	90-180	0.
60-75.00	0.5044E 03	-7.5 TO 82.5	0.2101E-03	82.5-172.5	0.	60	0- 90	0.3562E-02	90-180	0.
75-75.53	0.1880E 02	-7.5 TO 82.5	0.5220E-07	82.5-172.5	0.	75	0- 90	0.6258E-06	90-180	0.
0-15.00	0.8326E 02	-7.5 TO 97.5	0.8338E-01	82.5-187.5	0.2109E-05	0	0-105	0.2939E 00	90-195	0.2939E 00
15-30.00	0.2440E 03	-7.5 TO 97.5	0.3483E-01	82.5-187.5	0.	15	0-105	0.3106E 00	90-195	0.
30-45.00	0.3882E 03	-7.5 TO 97.5	0.1009E-01	82.5-187.5	0.	30	0-105	0.1034E 00	90-195	0.
45-60.00	0.5059E 03	-7.5 TO 97.5	0.2146E-02	82.5-187.5	0.	45	0-105	0.2599E-01	90-195	0.
60-75.00	0.5891E 03	-7.5 TO 97.5	0.1801E-03	82.5-187.5	0.	60	0-105	0.3562E-02	90-195	0.
75-75.53	0.2194E 02	-7.5 TO 97.5	0.4475E-07	82.5-187.5	0.	75	0-105	0.6258E-06	90-195	0.

$r_2/r_1 = 0.60$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1600$ $\cosh \mu_2 = 1.4000$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 144.25$

0-15.00	0.2581E-01	-7.5 TO 7.5	0.4858E-02	82.5- 97.5	0.3204E-02	0	0- 15	0.5002E-02	90-105	0.5002E-02
15-30.00	0.7968E-01	-7.5 TO 7.5	0.1851E-02	82.5- 97.5	0.9250E-03	15	0- 15	0.3692E-02	90-105	0.1892E-02
30-45.00	0.1264E 00	-7.5 TO 7.5	0.3464E-03	82.5- 97.5	0.1333E-03	30	0- 15	0.8229E-03	90-105	0.3394E-03
45-60.00	0.1565E 00	-7.5 TO 7.5	0.9980E-05	82.5- 97.5	0.2662E-08	45	0- 15	0.8059E-04	90-105	0.2235E-07
60-75.00	0.1627E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-78.46	0.4456E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.5162E-01	-7.5 TO 22.5	0.4820E-02	82.5-112.5	0.3059E-02	0	0- 30	0.1000E-01	90-120	0.1000E-01
15-30.00	0.1514E 00	-7.5 TO 22.5	0.1827E-02	82.5-112.5	0.8557E-03	15	0- 30	0.7222E-02	90-120	0.3550E-02
30-45.00	0.2408E 00	-7.5 TO 22.5	0.3409E-03	82.5-112.5	0.1183E-03	30	0- 30	0.1601E-02	90-120	0.6206E-03
45-60.00	0.3138E 00	-7.5 TO 22.5	0.1032E-04	82.5-112.5	0.1408E-08	45	0- 30	0.1527E-03	90-120	0.2235E-07
60-75.00	0.3654E 00	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-78.46	0.8511E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.7744E-01	-7.5 TO 37.5	0.4736E-02	82.5-127.5	0.2932E-02	0	0- 45	0.1501E-01	90-135	0.1501E-01
15-30.00	0.2270E 00	-7.5 TO 37.5	0.1776E-02	82.5-127.5	0.7969E-03	15	0- 45	0.1047E-01	90-135	0.5029E-02
30-45.00	0.3612E 00	-7.5 TO 37.5	0.3291E-03	82.5-127.5	0.1060E-03	30	0- 45	0.2299E-02	90-135	0.8585E-03
45-60.00	0.4707E 00	-7.5 TO 37.5	0.9607E-05	82.5-127.5	0.9385E-09	45	0- 45	0.2098E-03	90-135	0.2235E-07
60-75.00	0.5481E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-78.46	0.1337E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.1032E 00	-7.5 TO 52.5	0.4617E-02	82.5-142.5	0.2823E-02	0	0- 60	0.2001E-01	90-150	0.2001E-01
15-30.00	0.3027E 00	-7.5 TO 52.5	0.1705E-02	82.5-142.5	0.7479E-03	15	0- 60	0.1335E-01	90-150	0.6379E-02
30-45.00	0.4815E 00	-7.5 TO 52.5	0.3126E-03	82.5-142.5	0.9624E-04	30	0- 60	0.2900E-02	90-150	0.1066E-02
45-60.00	0.6276E 00	-7.5 TO 52.5	0.8452E-05	82.5-142.5	0.7039E-09	45	0- 60	0.2488E-03	90-150	0.2235E-07
60-75.00	0.7308E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-78.46	0.1782E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.1291E 00	-7.5 TO 67.5	0.4474E-02	82.5-157.5	0.2732E-02	0	0- 75	0.2501E-01	90-165	0.2501E-01
15-30.00	0.3784E 00	-7.5 TO 67.5	0.1622E-02	82.5-157.5	0.7079E-03	15	0- 75	0.1588E-01	90-165	0.7646E-02
30-45.00	0.6019E 00	-7.5 TO 67.5	0.2932E-03	82.5-157.5	0.8832E-04	30	0- 75	0.3403E-02	90-165	0.1255E-02
45-60.00	0.7844E 00	-7.5 TO 67.5	0.7155E-05	82.5-157.5	0.5631E-09	45	0- 75	0.2567E-03	90-165	0.2235E-07
60-75.00	0.9135E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-78.46	0.2228E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.1549E 00	-7.5 TO 82.5	0.4318E-02	82.5-172.5	0.2659E-02	0	0- 90	0.3001E-01	90-180	0.3001E-01
15-30.00	0.4541E 00	-7.5 TO 82.5	0.1534E-02	82.5-172.5	0.6762E-03	15	0- 90	0.1806E-01	90-180	0.8874E-02
30-45.00	0.7223E 00	-7.5 TO 82.5	0.2729E-03	82.5-172.5	0.8216E-04	30	0- 90	0.3816E-02	90-180	0.1435E-02
45-60.00	0.9413E 00	-7.5 TO 82.5	0.5981E-05	82.5-172.5	0.4693E-09	45	0- 90	0.2568E-03	90-180	0.2235E-07
60-75.00	0.1096E 01	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-78.46	0.2673E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.1857E 00	-7.5 TO 97.5	0.4159E-02	82.5-187.5	0.2603E-02	0	0-105	0.3501E-01	90-195	0.3501E-01
15-30.00	0.5247E 00	-7.5 TO 97.5	0.1447E-02	82.5-187.5	0.6521E-03	15	0-105	0.1995E-01	90-195	0.1010E-01
30-45.00	0.8427E 00	-7.5 TO 97.5	0.2529E-03	82.5-187.5	0.7751E-04	30	0-105	0.4156E-02	90-195	0.1615E-02
45-60.00	0.1098E 01	-7.5 TO 97.5	0.5127E-05	82.5-187.5	0.4022E-09	45	0-105	0.2568E-03	90-195	0.2235E-07
60-75.00	0.1279E 01	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-78.46	0.3119E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1600$ $\cosh \mu_2 = 1.4000$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 113.44$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
15-30.00	0.7568E-01	-7.5 TO 7.5	0.9074E-02	82.5- 97.5	0.2655E-02	15	0- 15	0.1465E-01	90-105	0.4805E-02
30-45.00	0.1204E 00	-7.5 TO 7.5	0.2417E-02	82.5- 97.5	0.4623E-03	30	0- 15	0.4930E-02	90-105	0.9965E-03
45-60.00	0.1569E 00	-7.5 TO 7.5	0.2719E-03	82.5- 97.5	0.1264E-05	45	0- 15	0.8991E-03	90-105	0.9952E-05
60-75.00	0.1827E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-78.46	0.4456E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.5162E-01	-7.5 TO 22.5	0.1559E-01	82.5-112.5	0.7411E-02	0	0- 30	0.2338E-01	90-120	0.2338E-01
15-30.00	0.1514E 00	-7.5 TO 22.5	0.8860E-02	82.5-112.5	0.2336E-02	15	0- 30	0.2819E-01	90-120	0.8690E-02
30-45.00	0.2408E 00	-7.5 TO 22.5	0.2350E-02	82.5-112.5	0.3782E-03	30	0- 30	0.9357E-02	90-120	0.1711E-02
45-60.00	0.3138E 00	-7.5 TO 22.5	0.2595E-03	82.5-112.5	0.6757E-06	45	0- 30	0.1681E-02	90-120	0.9952E-05
60-75.00	0.3654E 00	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-78.46	0.8911E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.7744E-01	-7.5 TO 37.5	0.1513E-01	82.5-127.5	0.6947E-02	0	0- 45	0.3507E-01	90-135	0.3507E-01
15-30.00	0.2270E 00	-7.5 TO 37.5	0.8416E-02	82.5-127.5	0.2082E-02	15	0- 45	0.3989E-01	90-135	0.1193E-01
30-45.00	0.3612E 00	-7.5 TO 37.5	0.2211E-02	82.5-127.5	0.3168E-03	30	0- 45	0.1297E-01	90-135	0.2243E-02
45-60.00	0.4707E 00	-7.5 TO 37.5	0.2345E-03	82.5-127.5	0.4505E-06	45	0- 45	0.2274E-02	90-135	0.9952E-05
60-75.00	0.5481E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-78.46	0.1337E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.1032E 00	-7.5 TO 52.5	0.1451E-01	82.5-142.5	0.6561E-02	0	0- 60	0.4676E-01	90-150	0.4676E-01
15-30.00	0.3027E 00	-7.5 TO 52.5	0.7837E-02	82.5-142.5	0.1882E-02	15	0- 60	0.4951E-01	90-150	0.1473E-01
30-45.00	0.4815E 00	-7.5 TO 52.5	0.2030E-02	82.5-142.5	0.2718E-03	30	0- 60	0.1573E-01	90-150	0.2661E-02
45-60.00	0.6276E 00	-7.5 TO 52.5	0.2040E-03	82.5-142.5	0.3379E-06	45	0- 60	0.2662E-02	90-150	0.9952E-05
60-75.00	0.7308E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-78.46	0.1782E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.1291E 00	-7.5 TO 67.5	0.1379E-01	82.5-157.5	0.6247E-02	0	0- 75	0.5845E-01	90-165	0.5845E-01
15-30.00	0.3784E 00	-7.5 TO 67.5	0.7211E-02	82.5-157.5	0.1725E-02	15	0- 75	0.5718E-01	90-165	0.1726E-01
30-45.00	0.6019E 00	-7.5 TO 67.5	0.1836E-02	82.5-157.5	0.2377E-03	30	0- 75	0.1772E-01	90-165	0.3013E-02
45-60.00	0.7844E 00	-7.5 TO 67.5	0.1732E-03	82.5-157.5	0.2703E-06	45	0- 75	0.2740E-02	90-165	0.9952E-05
60-75.00	0.9135E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-78.46	0.2228E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.1549E 00	-7.5 TO 82.5	0.1305E-01	82.5-172.5	0.5998E-02	0	0- 90	0.7014E-01	90-180	0.7014E-01
15-30.00	0.4541E 00	-7.5 TO 82.5	0.6600E-02	82.5-172.5	0.1603E-02	15	0- 90	0.6323E-01	90-180	0.1967E-01
30-45.00	0.7223E 00	-7.5 TO 82.5	0.1648E-02	82.5-172.5	0.2122E-03	30	0- 90	0.1913E-01	90-180	0.3336E-02
45-60.00	0.9413E 00	-7.5 TO 82.5	0.1455E-03	82.5-172.5	0.2252E-06	45	0- 90	0.2776E-02	90-180	0.9952E-05
60-75.00	0.1096E 01	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-78.46	0.2673E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.1807E 00	-7.5 TO 97.5	0.1232E-01	82.5-187.5	0.5809E-02	0	0-105	0.8183E-01	90-195	0.8183E-01
15-30.00	0.5297E 00	-7.5 TO 97.5	0.6037E-02	82.5-187.5	0.1512E-02	15	0-105	0.6804E-01	90-195	0.2207E-01
30-45.00	0.8427E 00	-7.5 TO 97.5	0.1479E-02	82.5-187.5	0.1934E-03	30	0-105	0.2013E-01	90-195	0.3658E-02
45-60.00	0.1058E 01	-7.5 TO 97.5	0.1249E-03	82.5-187.5	0.1931E-06	45	0-105	0.2786E-02	90-195	0.9952E-05
60-75.00	0.1279E 01	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-78.46	0.3119E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

$r_2/r_1 = 0.60$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1600$ $\cosh \mu_2 = 1.4000$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 89.17$

0-15.00	0.2581E-01	-7.5 TO 7.5	0.2343E-01	82.5- 97.5	0.1036E-01	0	0- 15	0.1466E-01	90-105	0.1466E-01
15-30.00	0.7568E-01	-7.5 TO 7.5	0.1793E-01	82.5- 97.5	0.3841E-02	15	0- 15	0.2416E-01	90-105	0.6346E-02
30-45.00	0.1204E 00	-7.5 TO 7.5	0.6518E-02	82.5- 97.5	0.8009E-03	30	0- 15	0.1166E-01	90-105	0.1488E-02
45-60.00	0.1569E 00	-7.5 TO 7.5	0.1277E-02	82.5- 97.5	0.1181E-04	45	0- 15	0.3028E-02	90-105	0.5199E-04
60-75.00	0.1827E 00	-7.5 TO 7.5	0.3493E-04	82.5- 97.5	0.	60	0- 15	0.2346E-03	90-105	0.
75-78.46	0.4456E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.5162E-01	-7.5 TO 22.5	0.2306E-01	82.5-112.5	0.9509E-02	0	0- 30	0.2933E-01	90-120	0.2933E-01
15-30.00	0.1514E 00	-7.5 TO 22.5	0.1740E-01	82.5-112.5	0.3269E-02	15	0- 30	0.4618E-01	90-120	0.1123E-01
30-45.00	0.2408E 00	-7.5 TO 22.5	0.6289E-02	82.5-112.5	0.6217E-03	30	0- 30	0.2181E-01	90-120	0.2442E-02
45-60.00	0.3138E 00	-7.5 TO 22.5	0.1218E-02	82.5-112.5	0.6456E-05	45	0- 30	0.5601E-02	90-120	0.5302E-04
60-75.00	0.3654E 00	-7.5 TO 22.5	0.3131E-04	82.5-112.5	0.	60	0- 30	0.3923E-03	90-120	0.
75-78.46	0.8911E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.7744E-01	-7.5 TO 37.5	0.2227E-01	82.5-127.5	0.8802E-02	0	0- 45	0.4399E-01	90-135	0.4399E-01
15-30.00	0.2270E 00	-7.5 TO 37.5	0.1633E-01	82.5-127.5	0.2830E-02	15	0- 45	0.6471E-01	90-135	0.1510E-01
30-45.00	0.3612E 00	-7.5 TO 37.5	0.5828E-02	82.5-127.5	0.4984E-03	30	0- 45	0.2965E-01	90-135	0.3081E-02
45-60.00	0.4707E 00	-7.5 TO 37.5	0.1099E-02	82.5-127.5	0.4306E-05	45	0- 45	0.7473E-02	90-135	0.5302E-04
60-75.00	0.5481E 00	-7.5 TO 37.5	0.2473E-04	82.5-127.5	0.	60	0- 45	0.4503E-03	90-135	0.
75-78.46	0.1337E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.1032E 00	-7.5 TO 52.5	0.2119E-01	82.5-142.5	0.8223E-02	0	0- 60	0.5865E-01	90-150	0.5865E-01
15-30.00	0.3027E 00	-7.5 TO 52.5	0.1498E-01	82.5-142.5	0.2495E-02	15	0- 60	0.7939E-01	90-150	0.1833E-01
30-45.00	0.4815E 00	-7.5 TO 52.5	0.5252E-02	82.5-142.5	0.4134E-03	30	0- 60	0.3518E-01	90-150	0.3547E-02
45-60.00	0.6276E 00	-7.5 TO 52.5	0.9532E-03	82.5-142.5	0.3230E-05	45	0- 60	0.8642E-02	90-150	0.5302E-04
60-75.00	0.7308E 00	-7.5 TO 52.5	0.1896E-04	82.5-142.5	0.	60	0- 60	0.4544E-03	90-150	0.
75-78.46	0.1782E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.1291E 00	-7.5 TO 67.5	0.1998E-01	82.5-157.5	0.7756E-02	0	0- 75	0.7332E-01	90-165	0.7332E-01
15-30.00	0.3784E 00	-7.5 TO 67.5	0.1357E-01	82.5-157.5	0.2241E-02	15	0- 75	0.9059E-01	90-165	0.2118E-01
30-45.00	0.6019E 00	-7.5 TO 67.5	0.4661E-02	82.5-157.5	0.3525E-03	30	0- 75	0.3885E-01	90-165	0.3924E-02
45-60.00	0.7844E 00	-7.5 TO 67.5	0.8093E-03	82.5-157.5	0.2584E-05	45	0- 75	0.8932E-02	90-165	0.5302E-04
60-75.00	0.9135E 00	-7.5 TO 67.5	0.1518E-04	82.5-157.5	0.	60	0- 75	0.4544E-03	90-165	0.
75-78.46	0.2228E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.1549E 00	-7.5 TO 82.5	0.1874E-01	82.5-172.5	0.7388E-02	0	0- 90	0.8798E-01	90-180	0.8798E-01
15-30.00	0.4541E 00	-7.5 TO 82.5	0.1223E-01	82.5-172.5	0.2048E-02	15	0- 90	0.9900E-01	90-180	0.2386E-01
30-45.00	0.7223E 00	-7.5 TO 82.5	0.4115E-02	82.5-172.5	0.3087E-03	30	0- 90	0.4120E-01	90-180	0.4264E-02
45-60.00	0.9413E 00	-7.5 TO 82.5	0.6825E-03	82.5-172.5	0.2153E-05	45	0- 90	0.9133E-02	90-180	0.5302E-04
60-75.00	0.1096E 01	-7.5 TO 82.5	0.1265E-04	82.5-172.5	0.	60	0- 90	0.4544E-03	90-180	0.
75-78.46	0.2673E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.1807E 00	-7.5 TO 97.5	0.1754E-01	82.5-187.5	0.7110E-02	0	0-105	0.1026E 00	90-195	0.1026E 00
15-30.00	0.5297E 00	-7.5 TO 97.5	0.1103E-01	82.5-187.5	0.1905E-02	15	0-105	0.1053E 00	90-195	0.2653E-01
30-45.00	0.8427E 00	-7.5 TO 97.5	0.3642E-02	82.5-187.5	0.2766E-03	30	0-105	0.4268E-01	90-195	0.4603E-02
45-60.00	0.1058E 01	-7.5 TO 97.5	0.5867E-03	82.5-187.5	0.1846E-05	45	0-105	0.9185E-02	90-195	0.5302E-04
60-75.00	0.1279E 01	-7.5 TO 97.5	0.1084E-04	82.5-187.5	0.	60	0-105	0.4544E-03	90-195	0.
75-78.46	0.3119E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1600$ $\cosh \mu_2 = 1.4000$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 70.53$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.2581E-01	-7.5 TO 7.5	0.2610E-01	82.5- 97.5	0.1069E-01					
15-30.00	0.7568E-01	-7.5 TO 7.5	0.2347E-01	82.5- 97.5	0.4121E-02	0	0- 15	0.1500E-01	90-105	0.1500E-01
30-45.00	0.1204E 00	-7.5 TO 7.5	0.1056E-01	82.5- 97.5	0.9525E-03	15	0- 15	0.2836E-01	90-105	0.6533E-02
45-60.00	0.1569E 00	-7.5 TO 7.5	0.2773E-02	82.5- 97.5	0.3102E-04	30	0- 15	0.1710E-01	90-105	0.1595E-02
60-75.00	0.1827E 00	-7.5 TO 7.5	0.2294E-03	82.5- 97.5	0.	45	0- 15	0.5630E-02	90-105	0.8126E-04
75-78.46	0.4456E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.8775E-03	90-105	0.
						75	0- 15	0.	90-105	0.
0-15.00	0.5162E-01	-7.5 TO 22.5	0.2566E-01	82.5-112.5	0.9754E-02					
15-30.00	0.1514E 00	-7.5 TO 22.5	0.2272E-01	82.5-112.5	0.3444E-02	0	0- 30	0.3000E-01	90-120	0.3000E-01
30-45.00	0.2408E 00	-7.5 TO 22.5	0.1015E-01	82.5-112.5	0.7126E-03	15	0- 30	0.5404E-01	90-120	0.1146E-01
45-60.00	0.3138E 00	-7.5 TO 22.5	0.2642E-02	82.5-112.5	0.1685E-04	30	0- 30	0.3177E-01	90-120	0.2564E-02
60-75.00	0.3654E 00	-7.5 TO 22.5	0.2105E-03	82.5-112.5	0.	45	0- 30	0.1035E-01	90-120	0.8362E-04
75-78.46	0.8911E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.1535E-02	90-120	0.
						75	0- 30	0.	90-120	0.
0-15.00	0.7744E-01	-7.5 TO 37.5	0.2471E-01	82.5-127.5	0.8990E-02					
15-30.00	0.2270E 00	-7.5 TO 37.5	0.2121E-01	82.5-127.5	0.2950E-02	0	0- 45	0.4500E-01	90-135	0.4500E-01
30-45.00	0.3612E 00	-7.5 TO 37.5	0.9335E-02	82.5-127.5	0.5597E-03	15	0- 45	0.7539E-01	90-135	0.1535E-01
45-60.00	0.4707E 00	-7.5 TO 37.5	0.2381E-02	82.5-127.5	0.1124E-04	30	0- 45	0.4280E-01	90-135	0.3203E-02
60-75.00	0.5481E 00	-7.5 TO 37.5	0.1755E-03	82.5-127.5	0.	45	0- 45	0.1369E-01	90-135	0.8362E-04
75-78.46	0.1337E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.1880E-02	90-135	0.
						75	0- 45	0.	90-135	0.
0-15.00	0.1032E 00	-7.5 TO 52.5	0.2342E-01	82.5-142.5	0.8373E-02					
15-30.00	0.3027E 00	-7.5 TO 52.5	0.1932E-01	82.5-142.5	0.2585E-02	0	0- 60	0.6000E-01	90-150	0.6000E-01
30-45.00	0.4815E 00	-7.5 TO 52.5	0.8334E-02	82.5-142.5	0.4595E-03	15	0- 60	0.9189E-01	90-150	0.1858E-01
45-60.00	0.6276E 00	-7.5 TO 52.5	0.2065E-02	82.5-142.5	0.8432E-05	30	0- 60	0.5024E-01	90-150	0.3669E-02
60-75.00	0.7308E 00	-7.5 TO 52.5	0.1400E-03	82.5-142.5	0.	45	0- 60	0.1571E-01	90-150	0.8362E-04
75-78.46	0.1782E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.1982E-02	90-150	0.
						75	0- 60	0.	90-150	0.
0-15.00	0.1291E 00	-7.5 TO 67.5	0.2198E-01	82.5-157.5	0.7880E-02					
15-30.00	0.3784E 00	-7.5 TO 67.5	0.1735E-01	82.5-157.5	0.2313E-02	0	0- 75	0.7500E-01	90-165	0.7500E-01
30-45.00	0.6019E 00	-7.5 TO 67.5	0.7324E-02	82.5-157.5	0.3895E-03	15	0- 75	0.1041E 00	90-165	0.2142E-01
45-60.00	0.7844E 00	-7.5 TO 67.5	0.1755E-02	82.5-157.5	0.6746E-05	30	0- 75	0.5489E-01	90-165	0.4046E-02
60-75.00	0.9135E 00	-7.5 TO 67.5	0.1128E-03	82.5-157.5	0.	45	0- 75	0.1638E-01	90-165	0.8362E-04
75-78.46	0.2228E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.1988E-02	90-165	0.
						75	0- 75	0.	90-165	0.
0-15.00	0.1549E 00	-7.5 TO 82.5	0.2050E-01	82.5-172.5	0.7495E-02					
15-30.00	0.4541E 00	-7.5 TO 82.5	0.1551E-01	82.5-172.5	0.2108E-02	0	0- 90	0.9000E-01	90-180	0.9000E-01
30-45.00	0.7223E 00	-7.5 TO 82.5	0.6410E-02	82.5-172.5	0.3396E-03	15	0- 90	0.1131E 00	90-180	0.2410E-01
45-60.00	0.9413E 00	-7.5 TO 82.5	0.1485E-02	82.5-172.5	0.5621E-05	30	0- 90	0.5763E-01	90-180	0.4385E-02
60-75.00	0.1056E 01	-7.5 TO 82.5	0.9399E-04	82.5-172.5	0.	45	0- 90	0.1673E-01	90-180	0.8362E-04
75-78.46	0.2673E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.1988E-02	90-180	0.
						75	0- 90	0.	90-180	0.
0-15.00	0.1807E 00	-7.5 TO 97.5	0.1910E-01	82.5-187.5	0.7204E-02					
15-30.00	0.5297E 00	-7.5 TO 97.5	0.1388E-01	82.5-187.5	0.1956E-02	0	0-105	0.1050E 00	90-195	0.1050E 00
30-45.00	0.8427E 00	-7.5 TO 97.5	0.5630E-02	82.5-187.5	0.3033E-03	15	0-105	0.1196E 00	90-195	0.2677E-01
45-60.00	0.1098E 01	-7.5 TO 97.5	0.1277E-02	82.5-187.5	0.4818E-05	30	0-105	0.5923E-01	90-195	0.4725E-02
60-75.00	0.1279E 01	-7.5 TO 97.5	0.8056E-04	82.5-187.5	0.	45	0-105	0.1681E-01	90-195	0.8362E-04
75-78.46	0.3119E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.1988E-02	90-195	0.
						75	0-105	0.	90-195	0.

$r_2/r_1 = 0.60$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1600$ $\cosh \mu_2 = 1.4000$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 56.03$

0-15.00	0.2581E-01	-7.5 TO 7.5	0.2629E-01	82.5- 97.5	0.1069E-01					
15-30.00	0.7568E-01	-7.5 TO 7.5	0.2534E-01	82.5- 97.5	0.4121E-02	0	0- 15	0.1500E-01	90-105	0.1500E-01
30-45.00	0.1204E 00	-7.5 TO 7.5	0.1291E-01	82.5- 97.5	0.9571E-03	15	0- 15	0.2894E-01	90-105	0.6533E-02
45-60.00	0.1569E 00	-7.5 TO 7.5	0.3995E-02	82.5- 97.5	0.3414E-04	30	0- 15	0.1962E-01	90-105	0.1595E-02
60-75.00	0.1827E 00	-7.5 TO 7.5	0.5120E-03	82.5- 97.5	0.	45	0- 15	0.7473E-02	90-105	0.8141E-04
75-78.46	0.4456E-01	-7.5 TO 7.5	0.7206E-06	82.5- 97.5	0.	60	0- 15	0.1538E-02	90-105	0.
						75	0- 15	0.5394E-05	90-105	0.
0-15.00	0.5162E-01	-7.5 TO 22.5	0.2583E-01	82.5-112.5	0.9754E-02					
15-30.00	0.1514E 00	-7.5 TO 22.5	0.2449E-01	82.5-112.5	0.3444E-02	0	0- 30	0.3000E-01	90-120	0.3000E-01
30-45.00	0.2408E 00	-7.5 TO 22.5	0.1239E-01	82.5-112.5	0.7149E-03	15	0- 30	0.5506E-01	90-120	0.1146E-01
45-60.00	0.3138E 00	-7.5 TO 22.5	0.3801E-02	82.5-112.5	0.1843E-04	30	0- 30	0.3633E-01	90-120	0.2564E-02
60-75.00	0.3654E 00	-7.5 TO 22.5	0.4725E-03	82.5-112.5	0.	45	0- 30	0.1368E-01	90-120	0.8377E-04
75-78.46	0.8911E-01	-7.5 TO 22.5	0.4703E-06	82.5-112.5	0.	60	0- 30	0.2715E-02	90-120	0.
						75	0- 30	0.5638E-05	90-120	0.
0-15.00	0.7744E-01	-7.5 TO 37.5	0.2486E-01	82.5-127.5	0.8990E-02					
15-30.00	0.2270E 00	-7.5 TO 37.5	0.2278E-01	82.5-127.5	0.2950E-02	0	0- 45	0.4500E-01	90-135	0.4500E-01
30-45.00	0.3612E 00	-7.5 TO 37.5	0.1134E-01	82.5-127.5	0.5613E-03	15	0- 45	0.7661E-01	90-135	0.1535E-01
45-60.00	0.4707E 00	-7.5 TO 37.5	0.3419E-02	82.5-127.5	0.1229E-04	30	0- 45	0.4862E-01	90-135	0.3203E-02
60-75.00	0.5481E 00	-7.5 TO 37.5	0.4000E-03	82.5-127.5	0.	45	0- 45	0.1800E-01	90-135	0.8377E-04
75-78.46	0.1337E 00	-7.5 TO 37.5	0.3146E-06	82.5-127.5	0.	60	0- 45	0.3376E-02	90-135	0.
						75	0- 45	0.5638E-05	90-135	0.
0-15.00	0.1032E 00	-7.5 TO 52.5	0.2355E-01	82.5-142.5	0.8373E-02					
15-30.00	0.3027E 00	-7.5 TO 52.5	0.2064E-01	82.5-142.5	0.2585E-02	0	0- 60	0.6000E-01	90-150	0.6000E-01
30-45.00	0.4815E 00	-7.5 TO 52.5	0.1006E-01	82.5-142.5	0.4606E-03	15	0- 60	0.9321E-01	90-150	0.1858E-01
45-60.00	0.6276E 00	-7.5 TO 52.5	0.2957E-02	82.5-142.5	0.9218E-05	30	0- 60	0.5664E-01	90-150	0.3669E-02
60-75.00	0.7308E 00	-7.5 TO 52.5	0.3238E-03	82.5-142.5	0.	45	0- 60	0.2050E-01	90-150	0.8377E-04
75-78.46	0.1782E 00	-7.5 TO 52.5	0.2360E-06	82.5-142.5	0.	60	0- 60	0.3611E-02	90-150	0.
						75	0- 60	0.5638E-05	90-150	0.
0-15.00	0.1291E 00	-7.5 TO 67.5	0.2207E-01	82.5-157.5	0.7880E-02					
15-30.00	0.3784E 00	-7.5 TO 67.5	0.1844E-01	82.5-157.5	0.2313E-02	0	0- 75	0.7500E-01	90-165	0.7500E-01
30-45.00	0.6019E 00	-7.5 TO 67.5	0.8774E-02	82.5-157.5	0.3904E-03	15	0- 75	0.1055E 00	90-165	0.2142E-01
45-60.00	0.7844E 00	-7.5 TO 67.5	0.2506E-02	82.5-157.5	0.7374E-05	30	0- 75	0.6143E-01	90-165	0.4046E-02
60-75.00	0.9135E 00	-7.5 TO 67.5	0.2625E-03	82.5-157.5	0.	45	0- 75	0.2134E-01	90-165	0.8377E-04
75-78.46	0.2228E 00	-7.5 TO 67.5	0.1888E-06	82.5-157.5	0.	60	0- 75	0.3643E-02	90-165	0.
						75	0- 75	0.5638E-05	90-165	0.
0-15.00	0.1549E 00	-7.5 TO 82.5	0.2059E-01	82.5-172.5	0.7495E-02					
15-30.00	0.4541E 00	-7.5 TO 82.5	0.1642E-01	82.5-172.5	0.2108E-02	0	0- 90	0.9000E-01	90-180	0.9000E-01
30-45.00	0.7223E 00	-7.5 TO 82.5	0.7631E-02	82.5-172.5	0.3404E-03	15	0- 90	0.1144E 00	90-180	0.2410E-01
45-60.00	0.9413E 00	-7.5 TO 82.5	0.2118E-02	82.5-172.5	0.6145E-05	30	0- 90	0.6419E-01	90-180	0.4385E-02
60-75.00	0.1056E 01	-7.5 TO 82.5	0.2189E-03	82.5-172.5	0.	45	0- 90	0.2171E-01	90-180	0.8377E-04
75-78.46	0.2673E 00	-7.5 TO 82.5	0.1573E-06	82.5-172.5	0.	60	0- 90	0.3643E-02	90-180	0.
						75	0- 90	0.5638E-05	90-180	0.
0-15.00	0.1807E 00	-7.5 TO 97.5	0.1917E-01	82.5-187.5	0.7204E-02					
15-30.00	0.5297E 00	-7.5 TO 97.5	0.1467E-01	82.5-187.5	0.1956E-02	0	0-105	0.1050E 00	90-195	0.1050E 00
30-45.00	0.8427E 00	-7.5 TO 97.5	0.6677E-02	82.5-187.5	0.3040E-03	15	0-105	0.1209E 00	90-195	0.2677E-01
45-60.00	0.1098E 01	-7.5 TO 97.5	0.1821E-02	82.5-187.5	0.5267E-05	30	0-105	0.6578E-01	90-195	0.4725E-02
60-75.00	0.1279E 01	-7.5 TO 97.5	0.1876E-03	82.5-187.5	0.	45	0-105	0.2179E-01	90-195	0.8377E-04
75-78.46	0.3119E 00	-7.5 TO 97.5	0.1348E-06	82.5-187.5	0.	60	0-105	0.3643E-02	90-195	0.
						75	0-105	0.5638E-05	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1600$ $\cosh \mu_2 = 1.4000$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 44.42$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.2581E-01	-7.5 TO 7.5	0.2629E-01	82.5- 97.5	0.1069E-01	0	0- 15	0.1500E-01	90-105	0.1500E-01
15-30.00	0.7568E-01	-7.5 TO 7.5	0.2546E-01	82.5- 97.5	0.4121E-02	15	0- 15	0.2894E-01	90-105	0.6533E-02
30-45.00	0.1204E 00	-7.5 TO 7.5	0.1358E-01	82.5- 97.5	0.9571E-03	30	0- 15	0.1999E-01	90-105	0.1595E-02
45-60.00	0.1569E 00	-7.5 TO 7.5	0.4563E-02	82.5- 97.5	0.3414E-04	45	0- 15	0.8192E-02	90-105	0.8141E-04
60-75.00	0.1827E 00	-7.5 TO 7.5	0.6992E-03	82.5- 97.5	0.	60	0- 15	0.1904E-02	90-105	0.
75-78.46	0.4456E-01	-7.5 TO 7.5	0.1116E-04	82.5- 97.5	0.	75	0- 15	0.3679E-04	90-105	0.
0-15.00	0.5162E-01	-7.5 TO 22.5	0.2583E-01	82.5-112.5	0.9754E-02	0	0- 30	0.3000E-01	90-120	0.3000E-01
15-30.00	0.1514E 00	-7.5 TO 22.5	0.2459E-01	82.5-112.5	0.3444E-02	15	0- 30	0.5506E-01	90-120	0.1146E-01
30-45.00	0.2408E 00	-7.5 TO 22.5	0.1299E-01	82.5-112.5	0.7149E-03	30	0- 30	0.3691E-01	90-120	0.2564E-02
45-60.00	0.3138E 00	-7.5 TO 22.5	0.4334E-02	82.5-112.5	0.1843E-04	45	0- 30	0.1493E-01	90-120	0.8377E-04
60-75.00	0.3654E 00	-7.5 TO 22.5	0.6462E-03	82.5-112.5	0.	60	0- 30	0.3359E-02	90-120	0.
75-78.46	0.8911E-01	-7.5 TO 22.5	0.8514E-05	82.5-112.5	0.	75	0- 30	0.4763E-04	90-120	0.
0-15.00	0.7744E-01	-7.5 TO 37.5	0.2486E-01	82.5-127.5	0.8990E-02	0	0- 45	0.4500E-01	90-135	0.4500E-01
15-30.00	0.2270E 00	-7.5 TO 37.5	0.2286E-01	82.5-127.5	0.2950E-02	15	0- 45	0.7661E-01	90-135	0.1535E-01
30-45.00	0.3612E 00	-7.5 TO 37.5	0.1185E-01	82.5-127.5	0.5613E-03	30	0- 45	0.4927E-01	90-135	0.3203E-02
45-60.00	0.4707E 00	-7.5 TO 37.5	0.3881E-02	82.5-127.5	0.1229E-04	45	0- 45	0.1951E-01	90-135	0.8377E-04
60-75.00	0.5481E 00	-7.5 TO 37.5	0.5481E-03	82.5-127.5	0.	60	0- 45	0.4170E-02	90-135	0.
75-78.46	0.1337E 00	-7.5 TO 37.5	0.5852E-05	82.5-127.5	0.	75	0- 45	0.4770E-04	90-135	0.
0-15.00	0.1032E 00	-7.5 TO 52.5	0.2355E-01	82.5-142.5	0.8373E-02	0	0- 60	0.6000E-01	90-150	0.6000E-01
15-30.00	0.3027E 00	-7.5 TO 52.5	0.2070E-01	82.5-142.5	0.2585E-02	15	0- 60	0.9321E-01	90-150	0.1858E-01
30-45.00	0.4815E 00	-7.5 TO 52.5	0.1046E-01	82.5-142.5	0.4606E-03	30	0- 60	0.5729E-01	90-150	0.3669E-02
45-60.00	0.6276E 00	-7.5 TO 52.5	0.3336E-02	82.5-142.5	0.9218E-05	45	0- 60	0.2207E-01	90-150	0.8377E-04
60-75.00	0.7308E 00	-7.5 TO 52.5	0.4437E-03	82.5-142.5	0.	60	0- 60	0.4450E-02	90-150	0.
75-78.46	0.1782E 00	-7.5 TO 52.5	0.4390E-05	82.5-142.5	0.	75	0- 60	0.4770E-04	90-150	0.
0-15.00	0.1291E 00	-7.5 TO 67.5	0.2207E-01	82.5-157.5	0.7880E-02	0	0- 75	0.7500E-01	90-165	0.7500E-01
15-30.00	0.3784E 00	-7.5 TO 67.5	0.1849E-01	82.5-157.5	0.2313E-02	15	0- 75	0.1055E 00	90-165	0.2142E-01
30-45.00	0.6019E 00	-7.5 TO 67.5	0.9101E-02	82.5-157.5	0.3904E-03	30	0- 75	0.6208E-01	90-165	0.4046E-02
45-60.00	0.7844E 00	-7.5 TO 67.5	0.2815E-02	82.5-157.5	0.7374E-05	45	0- 75	0.2291E-01	90-165	0.8377E-04
60-75.00	0.9135E 00	-7.5 TO 67.5	0.3595E-03	82.5-157.5	0.	60	0- 75	0.4486E-02	90-165	0.
75-78.46	0.2228E 00	-7.5 TO 67.5	0.3512E-05	82.5-157.5	0.	75	0- 75	0.4770E-04	90-165	0.
0-15.00	0.1549E 00	-7.5 TO 82.5	0.2059E-01	82.5-172.5	0.7495E-02	0	0- 90	0.9000E-01	90-180	0.9000E-01
15-30.00	0.4541E 00	-7.5 TO 82.5	0.1646E-01	82.5-172.5	0.2108E-02	15	0- 90	0.1144E 00	90-180	0.2410E-01
30-45.00	0.7223E 00	-7.5 TO 82.5	0.7903E-02	82.5-172.5	0.3404E-03	30	0- 90	0.6484E-01	90-180	0.4385E-02
45-60.00	0.9413E 00	-7.5 TO 82.5	0.2376E-02	82.5-172.5	0.6145E-05	45	0- 90	0.2328E-01	90-180	0.8377E-04
60-75.00	0.1056E 01	-7.5 TO 82.5	0.2998E-03	82.5-172.5	0.	60	0- 90	0.4486E-02	90-180	0.
75-78.46	0.2673E 00	-7.5 TO 82.5	0.2926E-05	82.5-172.5	0.	75	0- 90	0.4770E-04	90-180	0.
0-15.00	0.1807E 00	-7.5 TO 97.5	0.1917E-01	82.5-187.5	0.7204E-02	0	0-105	0.1050E 00	90-195	0.1050E 00
15-30.00	0.5297E 00	-7.5 TO 97.5	0.1470E-01	82.5-187.5	0.1956E-02	15	0-105	0.1209E 00	90-195	0.2677E-01
30-45.00	0.8427E 00	-7.5 TO 97.5	0.6911E-02	82.5-187.5	0.3040E-03	30	0-105	0.6644E-01	90-195	0.4725E-02
45-60.00	0.1098E 01	-7.5 TO 97.5	0.2042E-02	82.5-187.5	0.5267E-05	45	0-105	0.2336E-01	90-195	0.8377E-04
60-75.00	0.1279E 01	-7.5 TO 97.5	0.2570E-03	82.5-187.5	0.	60	0-105	0.4486E-02	90-195	0.
75-78.46	0.3119E 00	-7.5 TO 97.5	0.2508E-05	82.5-187.5	0.	75	0-105	0.4770E-04	90-195	0.

$r_2/r_1 = 0.60$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1600$ $\cosh \mu_2 = 1.4000$ $\alpha_{2,max} = 101.54$ $\theta_{2,min} = 36.87$

0-15.00	0.2581E-01	-7.5 TO 7.5	0.2629E-01	82.5- 97.5	0.1069E-01	0	0- 15	0.1500E-01	90-105	0.1500E-01
15-30.00	0.7568E-01	-7.5 TO 7.5	0.2546E-01	82.5- 97.5	0.4121E-02	15	0- 15	0.2894E-01	90-105	0.6533E-02
30-45.00	0.1204E 00	-7.5 TO 7.5	0.1358E-01	82.5- 97.5	0.9571E-03	30	0- 15	0.1999E-01	90-105	0.1595E-02
45-60.00	0.1569E 00	-7.5 TO 7.5	0.4621E-02	82.5- 97.5	0.3414E-04	45	0- 15	0.8224E-02	90-105	0.8141E-04
60-75.00	0.1827E 00	-7.5 TO 7.5	0.7350E-03	82.5- 97.5	0.	60	0- 15	0.1961E-02	90-105	0.
75-78.46	0.4456E-01	-7.5 TO 7.5	0.1578E-04	82.5- 97.5	0.	75	0- 15	0.4623E-04	90-105	0.
0-15.00	0.5162E-01	-7.5 TO 22.5	0.2583E-01	82.5-112.5	0.9754E-02	0	0- 30	0.3000E-01	90-120	0.3000E-01
15-30.00	0.1514E 00	-7.5 TO 22.5	0.2459E-01	82.5-112.5	0.3444E-02	15	0- 30	0.5506E-01	90-120	0.1146E-01
30-45.00	0.2408E 00	-7.5 TO 22.5	0.1300E-01	82.5-112.5	0.7149E-03	30	0- 30	0.3691E-01	90-120	0.2564E-02
45-60.00	0.3138E 00	-7.5 TO 22.5	0.4384E-02	82.5-112.5	0.1843E-04	45	0- 30	0.1497E-01	90-120	0.8377E-04
60-75.00	0.3654E 00	-7.5 TO 22.5	0.6778E-03	82.5-112.5	0.	60	0- 30	0.3448E-02	90-120	0.
75-78.46	0.8911E-01	-7.5 TO 22.5	0.1215E-04	82.5-112.5	0.	75	0- 30	0.6096E-04	90-120	0.
0-15.00	0.7744E-01	-7.5 TO 37.5	0.2486E-01	82.5-127.5	0.8990E-02	0	0- 45	0.4500E-01	90-135	0.4500E-01
15-30.00	0.2270E 00	-7.5 TO 37.5	0.2286E-01	82.5-127.5	0.2950E-02	15	0- 45	0.7661E-01	90-135	0.1535E-01
30-45.00	0.3612E 00	-7.5 TO 37.5	0.1185E-01	82.5-127.5	0.5613E-03	30	0- 45	0.4927E-01	90-135	0.3203E-02
45-60.00	0.4707E 00	-7.5 TO 37.5	0.3918E-02	82.5-127.5	0.1229E-04	45	0- 45	0.1955E-01	90-135	0.8377E-04
60-75.00	0.5481E 00	-7.5 TO 37.5	0.5726E-03	82.5-127.5	0.	60	0- 45	0.4264E-02	90-135	0.
75-78.46	0.1337E 00	-7.5 TO 37.5	0.8396E-05	82.5-127.5	0.	75	0- 45	0.6118E-04	90-135	0.
0-15.00	0.1032E 00	-7.5 TO 52.5	0.2355E-01	82.5-142.5	0.8373E-02	0	0- 60	0.6000E-01	90-150	0.6000E-01
15-30.00	0.3027E 00	-7.5 TO 52.5	0.2070E-01	82.5-142.5	0.2585E-02	15	0- 60	0.9321E-01	90-150	0.1858E-01
30-45.00	0.4815E 00	-7.5 TO 52.5	0.1047E-01	82.5-142.5	0.4606E-03	30	0- 60	0.5729E-01	90-150	0.3669E-02
45-60.00	0.6276E 00	-7.5 TO 52.5	0.3365E-02	82.5-142.5	0.9218E-05	45	0- 60	0.2212E-01	90-150	0.8377E-04
60-75.00	0.7308E 00	-7.5 TO 52.5	0.4624E-03	82.5-142.5	0.	60	0- 60	0.4544E-02	90-150	0.
75-78.46	0.1782E 00	-7.5 TO 52.5	0.6298E-05	82.5-142.5	0.	75	0- 60	0.6118E-04	90-150	0.
0-15.00	0.1291E 00	-7.5 TO 67.5	0.2207E-01	82.5-157.5	0.7880E-02	0	0- 75	0.7500E-01	90-165	0.7500E-01
15-30.00	0.3784E 00	-7.5 TO 67.5	0.1849E-01	82.5-157.5	0.2313E-02	15	0- 75	0.1055E 00	90-165	0.2142E-01
30-45.00	0.6019E 00	-7.5 TO 67.5	0.9103E-02	82.5-157.5	0.3904E-03	30	0- 75	0.6208E-01	90-165	0.4046E-02
45-60.00	0.7844E 00	-7.5 TO 67.5	0.2838E-02	82.5-157.5	0.7374E-05	45	0- 75	0.2296E-01	90-165	0.8377E-04
60-75.00	0.9135E 00	-7.5 TO 67.5	0.3745E-03	82.5-157.5	0.	60	0- 75	0.4580E-02	90-165	0.
75-78.46	0.2228E 00	-7.5 TO 67.5	0.5038E-05	82.5-157.5	0.	75	0- 75	0.6118E-04	90-165	0.
0-15.00	0.1549E 00	-7.5 TO 82.5	0.2059E-01	82.5-172.5	0.7495E-02	0	0- 90	0.9000E-01	90-180	0.9000E-01
15-30.00	0.4541E 00	-7.5 TO 82.5	0.1646E-01	82.5-172.5	0.2108E-02	15	0- 90	0.1144E 00	90-180	0.2410E-01
30-45.00	0.7223E 00	-7.5 TO 82.5	0.7905E-02	82.5-172.5	0.3404E-03	30	0- 90	0.6484E-01	90-180	0.4385E-02
45-60.00	0.9413E 00	-7.5 TO 82.5	0.2395E-02	82.5-172.5	0.6145E-05	45	0- 90	0.2332E-01	90-180	0.8377E-04
60-75.00	0.1056E 01	-7.5 TO 82.5	0.3123E-03	82.5-172.5	0.	60	0- 90	0.4580E-02	90-180	0.
75-78.46	0.2673E 00	-7.5 TO 82.5	0.4198E-05	82.5-172.5	0.	75	0- 90	0.6118E-04	90-180	0.
0-15.00	0.1807E 00	-7.5 TO 97.5	0.1917E-01	82.5-187.5	0.7204E-02	0	0-105	0.1050E 00	90-195	0.1050E 00
15-30.00	0.5297E 00	-7.5 TO 97.5	0.1470E-01	82.5-187.5	0.1956E-02	15	0-105	0.1209E 00	90-195	0.2677E-01
30-45.00	0.8427E 00	-7.5 TO 97.5	0.6913E-02	82.5-187.5	0.3040E-03	30	0-105	0.6644E-01	90-195	0.4725E-02
45-60.00	0.1098E 01	-7.5 TO 97.5	0.2058E-02	82.5-187.5	0.5267E-05	45	0-105	0.2340E-01	90-195	0.8377E-04
60-75.00	0.1279E 01	-7.5 TO 97.5	0.2676E-03	82.5-187.5	0.	60	0-105	0.4580E-02	90-195	0.
75-78.46	0.3119E 00	-7.5 TO 97.5	0.3599E-05	82.5-187.5	0.	75	0-105	0.6118E-04	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6067$ $\cosh \mu_2 = 2.3222$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 156.42$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5641E-02	-7.5 TO 7.5	0.4782E-03	82.5- 97.5	0.4471E-03	0	0- 15	0.4921E-03	90-105	0.4921E-03
15-30.00	0.1654E-01	-7.5 TO 7.5	0.3618E-03	82.5- 97.5	0.3133E-03	15	0- 15	0.4482E-03	90-105	0.4002E-03
30-45.00	0.2631E-01	-7.5 TO 7.5	0.2003E-03	82.5- 97.5	0.1615E-03	30	0- 15	0.2849E-03	90-105	0.2322E-03
45-60.00	0.3429E-01	-7.5 TO 7.5	0.7713E-04	82.5- 97.5	0.5593E-04	45	0- 15	0.1322E-03	90-105	0.9883E-04
60-75.00	0.3593E-01	-7.5 TO 7.5	0.8338E-05	82.5- 97.5	0.3451E-05	60	0- 15	0.3377E-04	90-105	0.1850E-04
75-82.34	0.2077E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1128E-01	-7.5 TO 22.5	0.4776E-03	82.5-112.5	0.4433E-03	0	0- 30	0.9842E-03	90-120	0.9842E-03
15-30.00	0.3308E-01	-7.5 TO 22.5	0.3609E-03	82.5-112.5	0.3076E-03	15	0- 30	0.8933E-03	90-120	0.7905E-03
30-45.00	0.5262E-01	-7.5 TO 22.5	0.1996E-03	82.5-112.5	0.1571E-03	30	0- 30	0.5662E-03	90-120	0.4540E-03
45-60.00	0.6657E-01	-7.5 TO 22.5	0.7672E-04	82.5-112.5	0.5361E-04	45	0- 30	0.2621E-03	90-120	0.1913E-03
60-75.00	0.7986E-01	-7.5 TO 22.5	0.8224E-05	82.5-112.5	0.3035E-05	60	0- 30	0.6647E-04	90-120	0.3422E-04
75-82.34	0.4155E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.1692E-01	-7.5 TO 37.5	0.4764E-03	82.5-127.5	0.4397E-03	0	0- 45	0.1476E-02	90-135	0.1476E-02
15-30.00	0.4962E-01	-7.5 TO 37.5	0.3589E-03	82.5-127.5	0.3023E-03	15	0- 45	0.1333E-02	90-135	0.1172E-02
30-45.00	0.7893E-01	-7.5 TO 37.5	0.1979E-03	82.5-127.5	0.1531E-03	30	0- 45	0.8409E-03	90-135	0.6668E-03
45-60.00	0.1029E 00	-7.5 TO 37.5	0.7580E-04	82.5-127.5	0.5149E-04	45	0- 45	0.3878E-03	90-135	0.2785E-03
60-75.00	0.1198E 00	-7.5 TO 37.5	0.7969E-05	82.5-127.5	0.2692E-05	60	0- 45	0.9717E-04	90-135	0.4764E-04
75-82.34	0.6232E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.2256E-01	-7.5 TO 52.5	0.4745E-03	82.5-142.5	0.4364E-03	0	0- 60	0.1968E-02	90-150	0.1968E-02
15-30.00	0.6615E-01	-7.5 TO 52.5	0.3558E-03	82.5-142.5	0.2975E-03	15	0- 60	0.1764E-02	90-150	0.1547E-02
30-45.00	0.1052E 00	-7.5 TO 52.5	0.1954E-03	82.5-142.5	0.1495E-03	30	0- 60	0.1107E-02	90-150	0.8727E-03
45-60.00	0.1371E 00	-7.5 TO 52.5	0.7443E-04	82.5-142.5	0.4961E-04	45	0- 60	0.5076E-03	90-150	0.3614E-03
60-75.00	0.1597E 00	-7.5 TO 52.5	0.7599E-05	82.5-142.5	0.2403E-05	60	0- 60	0.1251E-03	90-150	0.5929E-04
75-82.34	0.8310E-01	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.2821E-01	-7.5 TO 67.5	0.4721E-03	82.5-157.5	0.4336E-03	0	0- 75	0.2461E-02	90-165	0.2461E-02
15-30.00	0.8269E-01	-7.5 TO 67.5	0.3520E-03	82.5-157.5	0.2934E-03	15	0- 75	0.2185E-02	90-165	0.1916E-02
30-45.00	0.1315E 00	-7.5 TO 67.5	0.1923E-03	82.5-157.5	0.1463E-03	30	0- 75	0.1361E-02	90-165	0.1074E-02
45-60.00	0.1714E 00	-7.5 TO 67.5	0.7272E-04	82.5-157.5	0.4800E-04	45	0- 75	0.6205E-03	90-165	0.4415E-03
60-75.00	0.1996E 00	-7.5 TO 67.5	0.7158E-05	82.5-157.5	0.2166E-05	60	0- 75	0.1500E-03	90-165	0.6976E-04
75-82.34	0.1039E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.3385E-01	-7.5 TO 82.5	0.4692E-03	82.5-172.5	0.4312E-03	0	0- 90	0.2953E-02	90-180	0.2953E-02
15-30.00	0.9923E-01	-7.5 TO 82.5	0.3475E-03	82.5-172.5	0.2900E-03	15	0- 90	0.2596E-02	90-180	0.2283E-02
30-45.00	0.1579E 00	-7.5 TO 82.5	0.1887E-03	82.5-172.5	0.1438E-03	30	0- 90	0.1605E-02	90-180	0.1272E-02
45-60.00	0.2057E 00	-7.5 TO 82.5	0.7075E-04	82.5-172.5	0.4669E-04	45	0- 90	0.7264E-03	90-180	0.5202E-03
60-75.00	0.2396E 00	-7.5 TO 82.5	0.6696E-05	82.5-172.5	0.1977E-05	60	0- 90	0.1716E-03	90-180	0.7962E-04
75-82.34	0.1246E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.3949E-01	-7.5 TO 97.5	0.4660E-03	82.5-187.5	0.4294E-03	0	0-105	0.3445E-02	90-195	0.3445E-02
15-30.00	0.1158E 00	-7.5 TO 97.5	0.3426E-03	82.5-187.5	0.2874E-03	15	0-105	0.2996E-02	90-195	0.2651E-02
30-45.00	0.1842E 00	-7.5 TO 97.5	0.1848E-03	82.5-187.5	0.1418E-03	30	0-105	0.1837E-02	90-195	0.1471E-02
45-60.00	0.2400E 00	-7.5 TO 97.5	0.6863E-04	82.5-187.5	0.4568E-04	45	0-105	0.8252E-03	90-195	0.5989E-03
60-75.00	0.2795E 00	-7.5 TO 97.5	0.6233E-05	82.5-187.5	0.1834E-05	60	0-105	0.1901E-03	90-195	0.8949E-04
75-82.34	0.1454E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

$r_2/r_1 = 0.60$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6067$ $\cosh \mu_2 = 2.3222$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 133.98$

0-15.00	0.5641E-02	-7.5 TO 7.5	0.1701E-02	82.5- 97.5	0.1499E-02	0	0- 15	0.1644E-02	90-105	0.1644E-02
15-30.00	0.1654E-01	-7.5 TO 7.5	0.1396E-02	82.5- 97.5	0.1063E-02	15	0- 15	0.1647E-02	90-105	0.1331E-02
30-45.00	0.2631E-01	-7.5 TO 7.5	0.8393E-03	82.5- 97.5	0.5580E-03	30	0- 15	0.1146E-02	90-105	0.7776E-03
45-60.00	0.3429E-01	-7.5 TO 7.5	0.3590E-03	82.5- 97.5	0.1984E-03	45	0- 15	0.5799E-03	90-105	0.3351E-03
60-75.00	0.3593E-01	-7.5 TO 7.5	0.5970E-04	82.5- 97.5	0.1340E-04	60	0- 15	0.1805E-03	90-105	0.6366E-04
75-82.34	0.2077E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1128E-01	-7.5 TO 22.5	0.1698E-02	82.5-112.5	0.1475E-02	0	0- 30	0.3287E-02	90-120	0.3287E-02
15-30.00	0.3308E-01	-7.5 TO 22.5	0.1390E-02	82.5-112.5	0.1027E-02	15	0- 30	0.3274E-02	90-120	0.2600E-02
30-45.00	0.5262E-01	-7.5 TO 22.5	0.8335E-03	82.5-112.5	0.5299E-03	30	0- 30	0.2266E-02	90-120	0.1491E-02
45-60.00	0.6657E-01	-7.5 TO 22.5	0.3556E-03	82.5-112.5	0.1833E-03	45	0- 30	0.1161E-02	90-120	0.6302E-03
60-75.00	0.7986E-01	-7.5 TO 22.5	0.5846E-04	82.5-112.5	0.1083E-04	60	0- 30	0.3516E-03	90-120	0.1099E-03
75-82.34	0.4155E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.1692E-01	-7.5 TO 37.5	0.1689E-02	82.5-127.5	0.1453E-02	0	0- 45	0.4931E-02	90-135	0.4931E-02
15-30.00	0.4962E-01	-7.5 TO 37.5	0.1375E-02	82.5-127.5	0.9939E-03	15	0- 45	0.4860E-02	90-135	0.3816E-02
30-45.00	0.7893E-01	-7.5 TO 37.5	0.8206E-03	82.5-127.5	0.5047E-03	30	0- 45	0.3336E-02	90-135	0.2150E-02
45-60.00	0.1029E 00	-7.5 TO 37.5	0.3479E-03	82.5-127.5	0.1700E-03	45	0- 45	0.1668E-02	90-135	0.8932E-03
60-75.00	0.1198E 00	-7.5 TO 37.5	0.5580E-04	82.5-127.5	0.8810E-05	60	0- 45	0.5059E-03	90-135	0.1428E-03
75-82.34	0.6232E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.2256E-01	-7.5 TO 52.5	0.1677E-02	82.5-142.5	0.1433E-02	0	0- 60	0.6575E-02	90-150	0.6575E-02
15-30.00	0.6615E-01	-7.5 TO 52.5	0.1353E-02	82.5-142.5	0.9650E-03	15	0- 60	0.6391E-02	90-150	0.4991E-02
30-45.00	0.1052E 00	-7.5 TO 52.5	0.8017E-03	82.5-142.5	0.4827E-03	30	0- 60	0.4340E-02	90-150	0.2769E-02
45-60.00	0.1371E 00	-7.5 TO 52.5	0.3368E-03	82.5-142.5	0.1586E-03	45	0- 60	0.2151E-02	90-150	0.1132E-02
60-75.00	0.1597E 00	-7.5 TO 52.5	0.5210E-04	82.5-142.5	0.7234E-05	60	0- 60	0.6381E-03	90-150	0.1661E-03
75-82.34	0.8310E-01	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.2821E-01	-7.5 TO 67.5	0.1661E-02	82.5-157.5	0.1415E-02	0	0- 75	0.8218E-02	90-165	0.8218E-02
15-30.00	0.8269E-01	-7.5 TO 67.5	0.1326E-02	82.5-157.5	0.9403E-03	15	0- 75	0.7857E-02	90-165	0.6137E-02
30-45.00	0.1315E 00	-7.5 TO 67.5	0.7783E-03	82.5-157.5	0.4642E-03	30	0- 75	0.5268E-02	90-165	0.3360E-02
45-60.00	0.1714E 00	-7.5 TO 67.5	0.3232E-03	82.5-157.5	0.1492E-03	45	0- 75	0.2582E-02	90-165	0.1356E-02
60-75.00	0.1996E 00	-7.5 TO 67.5	0.4777E-04	82.5-157.5	0.6119E-05	60	0- 75	0.7462E-03	90-165	0.1833E-03
75-82.34	0.1039E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.3385E-01	-7.5 TO 82.5	0.1642E-02	82.5-172.5	0.1401E-02	0	0- 90	0.9862E-02	90-180	0.9862E-02
15-30.00	0.9923E-01	-7.5 TO 82.5	0.1295E-02	82.5-172.5	0.9201E-03	15	0- 90	0.9255E-02	90-180	0.7269E-02
30-45.00	0.1579E 00	-7.5 TO 82.5	0.7519E-03	82.5-172.5	0.4492E-03	30	0- 90	0.6119E-02	90-180	0.3938E-02
45-60.00	0.2057E 00	-7.5 TO 82.5	0.3082E-03	82.5-172.5	0.1416E-03	45	0- 90	0.2964E-02	90-180	0.1571E-02
60-75.00	0.2396E 00	-7.5 TO 82.5	0.4326E-04	82.5-172.5	0.5314E-05	60	0- 90	0.8309E-03	90-180	0.1978E-03
75-82.34	0.1246E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.3949E-01	-7.5 TO 97.5	0.1621E-02	82.5-187.5	0.1390E-02	0	0-105	0.1151E-01	90-195	0.1151E-01
15-30.00	0.1158E 00	-7.5 TO 97.5	0.1262E-02	82.5-187.5	0.9047E-03	15	0-105	0.1059E-01	90-195	0.8401E-02
30-45.00	0.1842E 00	-7.5 TO 97.5	0.7242E-03	82.5-187.5	0.4378E-03	30	0-105	0.6896E-02	90-195	0.4516E-02
45-60.00	0.2400E 00	-7.5 TO 97.5	0.2925E-03	82.5-187.5	0.1358E-03	45	0-105	0.3299E-02	90-195	0.1787E-02
60-75.00	0.2795E 00	-7.5 TO 97.5	0.3900E-04	82.5-187.5	0.4725E-05	60	0-105	0.8945E-03	90-195	0.2123E-03
75-82.34	0.1454E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6067$ $\cosh \mu_2 = 2.3222$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 113.42$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1\text{-}P_2}$	Span of φ_1	Configuration factor, $F_{P_1\text{-}P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1\text{-}P_2}$	Span of φ_2	Configuration factor $F_{dA_1\text{-}P_2}$
0-15.00	0.5641E-02	-7.5 TO 7.5	0.3075E-02	82.5- 97.5	0.2579E-02	0	0- 15	0.2816E-02	90-105	0.2816E-02
15-30.00	0.1654E-01	-7.5 TO 7.5	0.2712E-02	82.5- 97.5	0.1855E-02	15	0- 15	0.3060E-02	90-105	0.2278E-02
30-45.00	0.2631E-01	-7.5 TO 7.5	0.1760E-02	82.5- 97.5	0.9972E-03	30	0- 15	0.2312E-02	90-105	0.1348E-02
45-60.00	0.3429E-01	-7.5 TO 7.5	0.8227E-03	82.5- 97.5	0.3666E-03	45	0- 15	0.1267E-02	90-105	0.5921E-03
60-75.00	0.3593E-01	-7.5 TO 7.5	0.1841E-03	82.5- 97.5	0.2766E-04	60	0- 15	0.4529E-03	90-105	0.1173E-03
75-82.34	0.2077E-01	-7.5 TO 7.5	0.5440E-06	82.5- 97.5	0.	75	0- 15	0.6509E-05	90-105	0.
0-15.00	0.1128E-01	-7.5 TO 22.5	0.3066E-02	82.5-112.5	0.2522E-02	0	0- 30	0.5633E-02	90-120	0.5633E-02
15-30.00	0.3308E-01	-7.5 TO 22.5	0.2694E-02	82.5-112.5	0.1768E-02	15	0- 30	0.6066E-02	90-120	0.4410E-02
30-45.00	0.5262E-01	-7.5 TO 22.5	0.1743E-02	82.5-112.5	0.9279E-03	30	0- 30	0.4551E-02	90-120	0.2540E-02
45-60.00	0.6857E-01	-7.5 TO 22.5	0.8122E-03	82.5-112.5	0.3289E-03	45	0- 30	0.2479E-02	90-120	0.1087E-02
60-75.00	0.7186E-01	-7.5 TO 22.5	0.1795E-03	82.5-112.5	0.2115E-04	60	0- 30	0.8765E-03	90-120	0.1928E-03
75-82.34	0.4155E-01	-7.5 TO 22.5	0.4595E-06	82.5-112.5	0.	75	0- 30	0.9196E-05	90-120	0.
0-15.00	0.1692E-01	-7.5 TO 37.5	0.3045E-02	82.5-127.5	0.2470E-02	0	0- 45	0.8449E-02	90-135	0.8449E-02
15-30.00	0.4962E-01	-7.5 TO 37.5	0.2655E-02	82.5-127.5	0.1691E-02	15	0- 45	0.8970E-02	90-135	0.6419E-02
30-45.00	0.7893E-01	-7.5 TO 37.5	0.1706E-02	82.5-127.5	0.8672E-03	30	0- 45	0.6653E-02	90-135	0.3608E-02
45-60.00	0.1029E 00	-7.5 TO 37.5	0.7890E-03	82.5-127.5	0.2968E-03	45	0- 45	0.3590E-02	90-135	0.1507E-02
60-75.00	0.1198E 00	-7.5 TO 37.5	0.1697E-03	82.5-127.5	0.1640E-04	60	0- 45	0.1248E-02	90-135	0.2383E-03
75-82.34	0.6232E-01	-7.5 TO 37.5	0.3334E-06	82.5-127.5	0.	75	0- 45	0.9274E-05	90-135	0.
0-15.00	0.2256E-01	-7.5 TO 52.5	0.3013E-02	82.5-142.5	0.2423E-02	0	0- 60	0.1127E-01	90-150	0.1127E-01
15-30.00	0.6615E-01	-7.5 TO 52.5	0.2597E-02	82.5-142.5	0.1623E-02	15	0- 60	0.1174E-01	90-150	0.8334E-02
30-45.00	0.1052E 00	-7.5 TO 52.5	0.1652E-02	82.5-142.5	0.8155E-03	30	0- 60	0.8577E-02	90-150	0.4584E-02
45-60.00	0.1371E 00	-7.5 TO 52.5	0.7558E-03	82.5-142.5	0.2701E-03	45	0- 60	0.4573E-02	90-150	0.1874E-02
60-75.00	0.1557E 00	-7.5 TO 52.5	0.1562E-03	82.5-142.5	0.1303E-04	60	0- 60	0.1553E-02	90-150	0.2644E-03
75-82.34	0.8310E-01	-7.5 TO 52.5	0.2503E-06	82.5-142.5	0.	75	0- 60	0.9274E-05	90-150	0.
0-15.00	0.2821E-01	-7.5 TO 67.5	0.2974E-02	82.5-157.5	0.2383E-02	0	0- 75	0.1408E-01	90-165	0.1408E-01
15-30.00	0.8269E-01	-7.5 TO 67.5	0.2526E-02	82.5-157.5	0.1566E-02	15	0- 75	0.1434E-01	90-165	0.1018E-01
30-45.00	0.1315E 00	-7.5 TO 67.5	0.1587E-02	82.5-157.5	0.7725E-03	30	0- 75	0.1030E-01	90-165	0.5500E-02
45-60.00	0.1714E 00	-7.5 TO 67.5	0.7160E-03	82.5-157.5	0.2485E-03	45	0- 75	0.5417E-02	90-165	0.2207E-02
60-75.00	0.1956E 00	-7.5 TO 67.5	0.1411E-03	82.5-157.5	0.1076E-04	60	0- 75	0.1788E-02	90-165	0.2817E-03
75-82.34	0.1039E 00	-7.5 TO 67.5	0.2002E-06	82.5-157.5	0.	75	0- 75	0.9274E-05	90-165	0.
0-15.00	0.3385E-01	-7.5 TO 82.5	0.2928E-02	82.5-172.5	0.2350E-02	0	0- 90	0.1690E-01	90-180	0.1690E-01
15-30.00	0.9923E-01	-7.5 TO 82.5	0.2446E-02	82.5-172.5	0.1520E-02	15	0- 90	0.1678E-01	90-180	0.1200E-01
30-45.00	0.1579E 00	-7.5 TO 82.5	0.1515E-02	82.5-172.5	0.7381E-03	30	0- 90	0.1183E-01	90-180	0.6385E-02
45-60.00	0.2057E 00	-7.5 TO 82.5	0.6728E-03	82.5-172.5	0.2314E-03	45	0- 90	0.6127E-02	90-180	0.2523E-02
60-75.00	0.2396E 00	-7.5 TO 82.5	0.1258E-03	82.5-172.5	0.9183E-05	60	0- 90	0.1960E-02	90-180	0.2962E-03
75-82.34	0.1246E 00	-7.5 TO 82.5	0.1668E-06	82.5-172.5	0.	75	0- 90	0.9274E-05	90-180	0.
0-15.00	0.3949E-01	-7.5 TO 97.5	0.2878E-02	82.5-187.5	0.2325E-02	0	0-105	0.1972E-01	90-195	0.1972E-01
15-30.00	0.1158E 00	-7.5 TO 97.5	0.2362E-02	82.5-187.5	0.1484E-02	15	0-105	0.1906E-01	90-195	0.1382E-01
30-45.00	0.1842E 00	-7.5 TO 97.5	0.1441E-02	82.5-187.5	0.7119E-03	30	0-105	0.1318E-01	90-195	0.7270E-02
45-60.00	0.2400E 00	-7.5 TO 97.5	0.6291E-03	82.5-187.5	0.2185E-03	45	0-105	0.6719E-02	90-195	0.2839E-02
60-75.00	0.2795E 00	-7.5 TO 97.5	0.1118E-03	82.5-187.5	0.8041E-05	60	0-105	0.2077E-02	90-195	0.3107E-03
75-82.34	0.1454E 00	-7.5 TO 97.5	0.1430E-06	82.5-187.5	0.	75	0-105	0.9274E-05	90-195	0.

$r_2/r_1 = 0.60$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6067$ $\cosh \mu_2 = 2.3222$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 95.07$

0-15.00	0.5641E-02	-7.5 TO 7.5	0.4065E-02	82.5- 97.5	0.3271E-02	0	0- 15	0.3560E-02	90-105	0.3560E-02
15-30.00	0.1654E-01	-7.5 TO 7.5	0.3806E-02	82.5- 97.5	0.2383E-02	15	0- 15	0.4137E-02	90-105	0.2876E-02
30-45.00	0.2631E-01	-7.5 TO 7.5	0.2634E-02	82.5- 97.5	0.1309E-02	30	0- 15	0.3350E-02	90-105	0.1720E-02
45-60.00	0.3429E-01	-7.5 TO 7.5	0.1322E-02	82.5- 97.5	0.4969E-03	45	0- 15	0.1963E-02	90-105	0.7705E-03
60-75.00	0.3593E-01	-7.5 TO 7.5	0.3550E-03	82.5- 97.5	0.4154E-04	60	0- 15	0.7726E-03	90-105	0.1601E-03
75-82.34	0.2077E-01	-7.5 TO 7.5	0.1053E-04	82.5- 97.5	0.	75	0- 15	0.4973E-04	90-105	0.
0-15.00	0.1128E-01	-7.5 TO 22.5	0.4050E-02	82.5-112.5	0.3183E-02	0	0- 30	0.7120E-02	90-120	0.7120E-02
15-30.00	0.3308E-01	-7.5 TO 22.5	0.3776E-02	82.5-112.5	0.2246E-02	15	0- 30	0.8185E-02	90-120	0.5524E-02
30-45.00	0.5262E-01	-7.5 TO 22.5	0.2604E-02	82.5-112.5	0.1197E-02	30	0- 30	0.6570E-02	90-120	0.3194E-02
45-60.00	0.6857E-01	-7.5 TO 22.5	0.1302E-02	82.5-112.5	0.4353E-03	45	0- 30	0.3823E-02	90-120	0.1385E-02
60-75.00	0.7186E-01	-7.5 TO 22.5	0.3456E-03	82.5-112.5	0.3066E-04	60	0- 30	0.1488E-02	90-120	0.2549E-03
75-82.34	0.4155E-01	-7.5 TO 22.5	0.9341E-05	82.5-112.5	0.	75	0- 30	0.8410E-04	90-120	0.
0-15.00	0.1692E-01	-7.5 TO 37.5	0.4016E-02	82.5-127.5	0.3101E-02	0	0- 45	0.1068E-01	90-135	0.1068E-01
15-30.00	0.4962E-01	-7.5 TO 37.5	0.3709E-02	82.5-127.5	0.2124E-02	15	0- 45	0.1207E-01	90-135	0.7983E-02
30-45.00	0.7893E-01	-7.5 TO 37.5	0.2537E-02	82.5-127.5	0.1100E-02	30	0- 45	0.9552E-02	90-135	0.4476E-02
45-60.00	0.1029E 00	-7.5 TO 37.5	0.1258E-02	82.5-127.5	0.3844E-03	45	0- 45	0.5498E-02	90-135	0.1884E-02
60-75.00	0.1198E 00	-7.5 TO 37.5	0.3253E-03	82.5-127.5	0.2319E-04	60	0- 45	0.2102E-02	90-135	0.3063E-03
75-82.34	0.6232E-01	-7.5 TO 37.5	0.7345E-05	82.5-127.5	0.	75	0- 45	0.9688E-04	90-135	0.
0-15.00	0.2256E-01	-7.5 TO 52.5	0.3965E-02	82.5-142.5	0.3029E-02	0	0- 60	0.1424E-01	90-150	0.1424E-01
15-30.00	0.6615E-01	-7.5 TO 52.5	0.3612E-02	82.5-142.5	0.2018E-02	15	0- 60	0.1572E-01	90-150	0.1030E-01
30-45.00	0.1052E 00	-7.5 TO 52.5	0.2441E-02	82.5-142.5	0.1019E-02	30	0- 60	0.1223E-01	90-150	0.5616E-02
45-60.00	0.1371E 00	-7.5 TO 52.5	0.1196E-02	82.5-142.5	0.3432E-03	45	0- 60	0.6940E-02	90-150	0.2304E-02
60-75.00	0.1557E 00	-7.5 TO 52.5	0.2975E-03	82.5-142.5	0.1816E-04	60	0- 60	0.2592E-02	90-150	0.3334E-03
75-82.34	0.8310E-01	-7.5 TO 52.5	0.5628E-05	82.5-142.5	0.	75	0- 60	0.9757E-04	90-150	0.
0-15.00	0.2821E-01	-7.5 TO 67.5	0.3901E-02	82.5-157.5	0.2967E-02	0	0- 75	0.1780E-01	90-165	0.1780E-01
15-30.00	0.8269E-01	-7.5 TO 67.5	0.3492E-02	82.5-157.5	0.1930E-02	15	0- 75	0.1912E-01	90-165	0.1251E-01
30-45.00	0.1315E 00	-7.5 TO 67.5	0.2326E-02	82.5-157.5	0.9524E-03	30	0- 75	0.1457E-01	90-165	0.6666E-02
45-60.00	0.1714E 00	-7.5 TO 67.5	0.1122E-02	82.5-157.5	0.3105E-03	45	0- 75	0.8136E-02	90-165	0.2674E-02
60-75.00	0.1956E 00	-7.5 TO 67.5	0.2664E-03	82.5-157.5	0.1487E-04	60	0- 75	0.2955E-02	90-165	0.3506E-03
75-82.34	0.1039E 00	-7.5 TO 67.5	0.4504E-05	82.5-157.5	0.	75	0- 75	0.9757E-04	90-165	0.
0-15.00	0.3385E-01	-7.5 TO 82.5	0.3828E-02	82.5-172.5	0.2916E-02	0	0- 90	0.2136E-01	90-180	0.2136E-01
15-30.00	0.9923E-01	-7.5 TO 82.5	0.3358E-02	82.5-172.5	0.1858E-02	15	0- 90	0.2225E-01	90-180	0.1468E-01
30-45.00	0.1579E 00	-7.5 TO 82.5	0.2201E-02	82.5-172.5	0.8996E-03	30	0- 90	0.1658E-01	90-180	0.7671E-02
45-60.00	0.2057E 00	-7.5 TO 82.5	0.1043E-02	82.5-172.5	0.2852E-03	45	0- 90	0.9103E-02	90-180	0.3021E-02
60-75.00	0.2396E 00	-7.5 TO 82.5	0.2356E-03	82.5-172.5	0.1261E-04	60	0- 90	0.3205E-02	90-180	0.3651E-03
75-82.34	0.1246E 00	-7.5 TO 82.5	0.3754E-05	82.5-172.5	0.	75	0- 90	0.9757E-04	90-180	0.
0-15.00	0.3949E-01	-7.5 TO 97.5	0.3748E-02	82.5-187.5	0.2876E-02	0	0-105	0.2492E-01	90-195	0.2492E-01
15-30.00	0.1158E 00	-7.5 TO 97.5	0.3219E-02	82.5-187.5	0.1804E-02	15	0-105	0.2513E-01	90-195	0.1684E-01
30-45.00	0.1842E 00	-7.5 TO 97.5	0.2073E-02	82.5-187.5	0.8595E-03	30	0-105	0.1830E-01	90-195	0.8677E-02
45-60.00	0.2400E 00	-7.5 TO 97.5	0.9653E-03	82.5-187.5	0.2662E-03	45	0-105	0.9874E-02	90-195	0.3368E-02
60-75.00	0.2795E 00	-7.5 TO 97.5	0.2079E-03	82.5-187.5	0.1098E-04	60	0-105	0.3365E-02	90-195	0.3797E-03
75-82.34	0.1454E 00	-7.5 TO 97.5	0.3217E-05	82.5-187.5	0.	75	0-105	0.9757E-04	90-195	0.

TABLE I. - *Continued.* *CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH*

(g) Continued. Radius ratio, r_2/r_1, 0.60

r_2/r_1 = 0.60 d/r_1 = 3.000 $\cosh \mu_1$ = 1.6067 $\cosh \mu_2$ = 2.3222 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 78.85

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3641E-02	-7.5 TO 7.5	0.4459E-02	82.5- 97.5	0.3453E-02	0	0- 15	0.3750E-02	90-105	0.3750E-02
15-30.00	0.1654E-01	-7.5 TO 7.5	0.4393E-02	82.5- 97.5	0.2534E-02	15	0- 15	0.4627E-02	90-105	0.3020E-02
30-45.00	0.2631E-01	-7.5 TO 7.5	0.3202E-02	82.5- 97.5	0.1411E-02	30	0- 15	0.3966E-02	90-105	0.1814E-02
45-60.00	0.3429E-01	-7.5 TO 7.5	0.1694E-02	82.5- 97.5	0.5473E-03	45	0- 15	0.2449E-02	90-105	0.8209E-03
60-75.00	0.3993E-01	-7.5 TO 7.5	0.5049E-03	82.5- 97.5	0.4903E-04	60	0- 15	0.1028E-02	90-105	0.1752E-03
75-82.34	0.2677E-01	-7.5 TO 7.5	0.3045E-04	82.5- 97.5	0.	75	0- 15	0.1047E-03	90-105	0.
0-15.00	0.1128E-01	-7.5 TO 22.5	0.4440E-02	82.5-112.5	0.3345E-02	0	0- 30	0.7500E-02	90-120	0.7500E-02
15-30.00	0.3308E-01	-7.5 TO 22.5	0.4353E-02	82.5-112.5	0.2365E-02	15	0- 30	0.9139E-02	90-120	0.5767E-02
30-45.00	0.5262E-01	-7.5 TO 22.5	0.3160E-02	82.5-112.5	0.1272E-02	30	0- 30	0.7756E-02	90-120	0.3332E-02
45-60.00	0.6657E-01	-7.5 TO 22.5	0.1665E-02	82.5-112.5	0.4703E-03	45	0- 30	0.4753E-02	90-120	0.1454E-02
60-75.00	0.7686E-01	-7.5 TO 22.5	0.4907E-03	82.5-112.5	0.3526E-04	60	0- 30	0.1973E-02	90-120	0.2737E-03
75-82.34	0.4155E-01	-7.5 TO 22.5	0.2766E-04	82.5-112.5	0.	75	0- 30	0.1829E-03	90-120	0.
0-15.00	0.1692E-01	-7.5 TO 37.5	0.4396E-02	82.5-127.5	0.3247E-02	0	0- 45	0.1125E-01	90-135	0.1125E-01
15-30.00	0.4962E-01	-7.5 TO 37.5	0.4264E-02	82.5-127.5	0.2220E-02	15	0- 45	0.1343E-01	90-135	0.8292E-02
30-45.00	0.7893E-01	-7.5 TO 37.5	0.3067E-02	82.5-127.5	0.1156E-02	30	0- 45	0.1123E-01	90-135	0.4632E-02
45-60.00	0.1029E 00	-7.5 TO 37.5	0.1601E-02	82.5-127.5	0.4096E-03	45	0- 45	0.6796E-02	90-135	0.1958E-02
60-75.00	0.1158E 00	-7.5 TO 37.5	0.4603E-03	82.5-127.5	0.2632E-04	60	0- 45	0.2770E-02	90-135	0.3256E-03
75-82.34	0.6232E-01	-7.5 TO 37.5	0.2269E-04	82.5-127.5	0.	75	0- 45	0.2211E-03	90-135	0.
0-15.00	0.2256E-01	-7.5 TO 52.5	0.4331E-02	82.5-142.5	0.3161E-02	0	0- 60	0.1500E-01	90-150	0.1500E-01
15-30.00	0.6615E-01	-7.5 TO 52.5	0.4135E-02	82.5-142.5	0.2097E-02	15	0- 60	0.1744E-01	90-150	0.1065E-01
30-45.00	0.1052E 00	-7.5 TO 52.5	0.2936E-02	82.5-142.5	0.1062E-02	30	0- 60	0.1428E-01	90-150	0.5779E-02
45-60.00	0.1371E 00	-7.5 TO 52.5	0.1512E-02	82.5-142.5	0.3624E-03	45	0- 60	0.8516E-02	90-150	0.2378E-02
60-75.00	0.1597E 00	-7.5 TO 52.5	0.4190E-03	82.5-142.5	0.2052E-04	60	0- 60	0.3389E-02	90-150	0.3528E-03
75-82.34	0.8310E-01	-7.5 TO 52.5	0.1778E-04	82.5-142.5	0.	75	0- 60	0.2282E-03	90-150	0.
0-15.00	0.2821E-01	-7.5 TO 67.5	0.4249E-02	82.5-157.5	0.3088E-02	0	0- 75	0.1875E-01	90-165	0.1875E-01
15-30.00	0.8269E-01	-7.5 TO 67.5	0.3977E-02	82.5-157.5	0.1995E-02	15	0- 75	0.2111E-01	90-165	0.1290E-01
30-45.00	0.1315E 00	-7.5 TO 67.5	0.2778E-02	82.5-157.5	0.9872E-03	30	0- 75	0.1690E-01	90-165	0.6830E-02
45-60.00	0.1714E 00	-7.5 TO 67.5	0.1408E-02	82.5-157.5	0.3259E-03	45	0- 75	0.9898E-02	90-165	0.2748E-02
60-75.00	0.1996E 00	-7.5 TO 67.5	0.3732E-03	82.5-157.5	0.1676E-04	60	0- 75	0.3831E-02	90-165	0.3701E-03
75-82.34	0.1039E 00	-7.5 TO 67.5	0.1426E-04	82.5-157.5	0.	75	0- 75	0.2282E-03	90-165	0.
0-15.00	0.3385E-01	-7.5 TO 82.5	0.4155E-02	82.5-172.5	0.3028E-02	0	0- 90	0.2250E-01	90-180	0.2250E-01
15-30.00	0.9923E-01	-7.5 TO 82.5	0.3802E-02	82.5-172.5	0.1915E-02	15	0- 90	0.2445E-01	90-180	0.1509E-01
30-45.00	0.1579E 00	-7.5 TO 82.5	0.2608E-02	82.5-172.5	0.9286E-03	30	0- 90	0.1908E-01	90-180	0.7836E-02
45-60.00	0.2057E 00	-7.5 TO 82.5	0.1299E-02	82.5-172.5	0.2980E-03	45	0- 90	0.1097E-01	90-180	0.3095E-02
60-75.00	0.2396E 00	-7.5 TO 82.5	0.3282E-03	82.5-172.5	0.1418E-04	60	0- 90	0.4122E-02	90-180	0.3846E-03
75-82.34	0.1246E 00	-7.5 TO 82.5	0.1188E-04	82.5-172.5	0.	75	0- 90	0.2282E-03	90-180	0.
0-15.00	0.3949E-01	-7.5 TO 97.5	0.4055E-02	82.5-187.5	0.2982E-02	0	0-105	0.2625E-01	90-195	0.2625E-01
15-30.00	0.1158E 00	-7.5 TO 97.5	0.3621E-02	82.5-187.5	0.1853E-02	15	0-105	0.2747E-01	90-195	0.1729E-01
30-45.00	0.1842E 00	-7.5 TO 97.5	0.2437E-02	82.5-187.5	0.8844E-03	30	0-105	0.2090E-01	90-195	0.8842E-02
45-60.00	0.2400E 00	-7.5 TO 97.5	0.1192E-02	82.5-187.5	0.2772E-03	45	0-105	0.1179E-01	90-195	0.3442E-02
60-75.00	0.2795E 00	-7.5 TO 97.5	0.2883E-03	82.5-187.5	0.1233E-04	60	0-105	0.4297E-02	90-195	0.3991E-03
75-82.34	0.1454E 00	-7.5 TO 97.5	0.1018E-04	82.5-187.5	0.	75	0-105	0.2282E-03	90-195	0.

r_2/r_1 = 0.60 d/r_1 = 3.000 $\cosh \mu_1$ = 1.6067 $\cosh \mu_2$ = 2.3222 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 64.49

0-15.00	0.5641E-02	-7.5 TO 7.5	0.4471E-02	82.5- 97.5	0.3453E-02	0	0- 15	0.3750E-02	90-105	0.3750E-02
15-30.00	0.1654E-01	-7.5 TO 7.5	0.4488E-02	82.5- 97.5	0.2534E-02	15	0- 15	0.4659E-02	90-105	0.3020E-02
30-45.00	0.2631E-01	-7.5 TO 7.5	0.3384E-02	82.5- 97.5	0.1412E-02	30	0- 15	0.4111E-02	90-105	0.1814E-02
45-60.00	0.3429E-01	-7.5 TO 7.5	0.1856E-02	82.5- 97.5	0.5480E-03	45	0- 15	0.2638E-02	90-105	0.8209E-03
60-75.00	0.3993E-01	-7.5 TO 7.5	0.5826E-03	82.5- 97.5	0.4927E-04	60	0- 15	0.1151E-02	90-105	0.1752E-03
75-82.34	0.2077E-01	-7.5 TO 7.5	0.4568E-04	82.5- 97.5	0.	75	0- 15	0.1382E-03	90-105	0.
0-15.00	0.1128E-01	-7.5 TO 22.5	0.4451E-02	82.5-112.5	0.3345E-02	0	0- 30	0.7500E-02	90-120	0.7500E-02
15-30.00	0.3308E-01	-7.5 TO 22.5	0.4444E-02	82.5-112.5	0.2365E-02	15	0- 30	0.9196E-02	90-120	0.5767E-02
30-45.00	0.5262E-01	-7.5 TO 22.5	0.3334E-02	82.5-112.5	0.1272E-02	30	0- 30	0.8022E-02	90-120	0.3332E-02
45-60.00	0.6657E-01	-7.5 TO 22.5	0.1820E-02	82.5-112.5	0.4707E-03	45	0- 30	0.5101E-02	90-120	0.1454E-02
60-75.00	0.7586E-01	-7.5 TO 22.5	0.5652E-03	82.5-112.5	0.3538E-04	60	0- 30	0.2200E-02	90-120	0.2737E-03
75-82.34	0.4155E-01	-7.5 TO 22.5	0.4166E-04	82.5-112.5	0.	75	0- 30	0.2426E-03	90-120	0.
0-15.00	0.1692E-01	-7.5 TO 37.5	0.4406E-02	82.5-127.5	0.3247E-02	0	0- 45	0.1125E-01	90-135	0.1125E-01
15-30.00	0.4962E-01	-7.5 TO 37.5	0.4344E-02	82.5-127.5	0.2220E-02	15	0- 45	0.1351E-01	90-135	0.8292E-02
30-45.00	0.7893E-01	-7.5 TO 37.5	0.3226E-02	82.5-127.5	0.1156E-02	30	0- 45	0.1157E-01	90-135	0.4632E-02
45-60.00	0.1029E 00	-7.5 TO 37.5	0.1744E-02	82.5-127.5	0.4098E-03	45	0- 45	0.7256E-02	90-135	0.1958E-02
60-75.00	0.1158E 00	-7.5 TO 37.5	0.5280E-03	82.5-127.5	0.2641E-04	60	0- 45	0.3070E-02	90-135	0.3257E-03
75-82.34	0.6232E-01	-7.5 TO 37.5	0.3442E-04	82.5-127.5	0.	75	0- 45	0.2957E-03	90-135	0.
0-15.00	0.2256E-01	-7.5 TO 52.5	0.4339E-02	82.5-142.5	0.3161E-02	0	0- 60	0.1500E-01	90-150	0.1500E-01
15-30.00	0.6615E-01	-7.5 TO 52.5	0.4206E-02	82.5-142.5	0.2097E-02	15	0- 60	0.1752E-01	90-150	0.1065E-01
30-45.00	0.1052E 00	-7.5 TO 52.5	0.3074E-02	82.5-142.5	0.1062E-02	30	0- 60	0.1467E-01	90-150	0.5779E-02
45-60.00	0.1371E 00	-7.5 TO 52.5	0.1637E-02	82.5-142.5	0.3625E-03	45	0- 60	0.9031E-02	90-150	0.2378E-02
60-75.00	0.1597E 00	-7.5 TO 52.5	0.4778E-03	82.5-142.5	0.2058E-04	60	0- 60	0.3728E-02	90-150	0.3529E-03
75-82.34	0.8310E-01	-7.5 TO 52.5	0.2715E-04	82.5-142.5	0.	75	0- 60	0.3074E-03	90-150	0.
0-15.00	0.2821E-01	-7.5 TO 67.5	0.4256E-02	82.5-157.5	0.3088E-02	0	0- 75	0.1875E-01	90-165	0.1875E-01
15-30.00	0.8269E-01	-7.5 TO 67.5	0.4037E-02	82.5-157.5	0.1995E-02	15	0- 75	0.2119E-01	90-165	0.1290E-01
30-45.00	0.1315E 00	-7.5 TO 67.5	0.2895E-02	82.5-157.5	0.9873E-03	30	0- 75	0.1730E-01	90-165	0.6830E-02
45-60.00	0.1714E 00	-7.5 TO 67.5	0.1515E-02	82.5-157.5	0.3260E-03	45	0- 75	0.1043E-01	90-165	0.2748E-02
60-75.00	0.1996E 00	-7.5 TO 67.5	0.4228E-03	82.5-157.5	0.1681E-04	60	0- 75	0.4184E-02	90-165	0.3701E-03
75-82.34	0.1039E 00	-7.5 TO 67.5	0.2180E-04	82.5-157.5	0.	75	0- 75	0.3076E-03	90-165	0.
0-15.00	0.3385E-01	-7.5 TO 82.5	0.4161E-02	82.5-172.5	0.3028E-02	0	0- 90	0.2250E-01	90-180	0.2250E-01
15-30.00	0.9923E-01	-7.5 TO 82.5	0.3852E-02	82.5-172.5	0.1915E-02	15	0- 90	0.2453E-01	90-180	0.1509E-01
30-45.00	0.1579E 00	-7.5 TO 82.5	0.2707E-02	82.5-172.5	0.9287E-03	30	0- 90	0.1948E-01	90-180	0.7836E-02
45-60.00	0.2057E 00	-7.5 TO 82.5	0.1389E-02	82.5-172.5	0.2981E-03	45	0- 90	0.1151E-01	90-180	0.3095E-02
60-75.00	0.2396E 00	-7.5 TO 82.5	0.3701E-03	82.5-172.5	0.1422E-04	60	0- 90	0.4476E-02	90-180	0.3846E-03
75-82.34	0.1246E 00	-7.5 TO 82.5	0.1816E-04	82.5-172.5	0.	75	0- 90	0.3076E-03	90-180	0.
0-15.00	0.3949E-01	-7.5 TO 97.5	0.4060E-02	82.5-187.5	0.2982E-02	0	0-105	0.2625E-01	90-195	0.2625E-01
15-30.00	0.1158E 00	-7.5 TO 97.5	0.3664E-02	82.5-187.5	0.1853E-02	15	0-105	0.2755E-01	90-195	0.1729E-01
30-45.00	0.1842E 00	-7.5 TO 97.5	0.2522E-02	82.5-187.5	0.8844E-03	30	0-105	0.2130E-01	90-195	0.8842E-02
45-60.00	0.2400E 00	-7.5 TO 97.5	0.1269E-02	82.5-187.5	0.2773E-03	45	0-105	0.1233E-01	90-195	0.3442E-02
60-75.00	0.2795E 00	-7.5 TO 97.5	0.3243E-03	82.5-187.5	0.1236E-04	60	0-105	0.4651E-02	90-195	0.3992E-03
75-82.34	0.1454E 00	-7.5 TO 97.5	0.1557E-04	82.5-187.5	0.	75	0-105	0.3076E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

r_2/r_1 = 0.60 d/r_1 = 3.000 $\cosh \mu_1$ = 1.6067 $\cosh \mu_2$ = 2.3222 $\alpha_{2,max}$ = 97.66 $\theta_{2,min}$ = 57.77

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5641E-02	-7.5 TO 7.5	0.4471E-02	82.5- 97.5	0.3453E-02	0	0- 15	0.3750E-02	90-105	0.3750E-02
15-30.00	0.1654E-01	-7.5 TO 7.5	0.4488E-02	82.5- 97.5	0.2534E-02	15	0- 15	0.4659E-02	90-105	0.3020E-02
30-45.00	0.2631E-01	-7.5 TO 7.5	0.3385E-02	82.5- 97.5	0.1412E-02	30	0- 15	0.4111E-02	90-105	0.1814E-02
45-60.00	0.3429E-01	-7.5 TO 7.5	0.1864E-02	82.5- 97.5	0.5480E-03	45	0- 15	0.2641E-02	90-105	0.8209E-03
60-75.00	0.3993E-01	-7.5 TO 7.5	0.5903E-03	82.5- 97.5	0.4927E-04	60	0- 15	0.1161E-02	90-105	0.1752E-03
75-82.34	0.2077E-01	-7.5 TO 7.5	0.4769E-04	82.5- 97.5	0.	75	0- 15	0.1422E-03	90-105	0.
0-15.00	0.1128E-01	-7.5 TO 22.5	0.4451E-02	82.5-112.5	0.3345E-02	0	0- 30	0.7500E-02	90-120	0.7500E-02
15-30.00	0.3308E-01	-7.5 TO 22.5	0.4444E-02	82.5-112.5	0.2365E-02	15	0- 30	0.9196E-02	90-120	0.5767E-02
30-45.00	0.5262E-01	-7.5 TO 22.5	0.3335E-02	82.5-112.5	0.1272E-02	30	0- 30	0.8022E-02	90-120	0.3332E-02
45-60.00	0.6857E-01	-7.5 TO 22.5	0.1827E-02	82.5-112.5	0.4707E-03	45	0- 30	0.5105E-02	90-120	0.1454E-02
60-75.00	0.7986E-01	-7.5 TO 22.5	0.5721E-03	82.5-112.5	0.3538E-04	60	0- 30	0.2215E-02	90-120	0.2737E-03
75-82.34	0.4155E-01	-7.5 TO 22.5	0.4342E-04	82.5-112.5	0.	75	0- 30	0.2489E-03	90-120	0.
0-15.00	0.1692E-01	-7.5 TO 37.5	0.4406E-02	82.5-127.5	0.3247E-02	0	0- 45	0.1125E-01	90-135	0.1125E-01
15-30.00	0.4962E-01	-7.5 TO 37.5	0.4346E-02	82.5-127.5	0.2220E-02	15	0- 45	0.1351E-01	90-135	0.8292E-02
30-45.00	0.7893E-01	-7.5 TO 37.5	0.3226E-02	82.5-127.5	0.1156E-02	30	0- 45	0.1157E-01	90-135	0.4632E-02
45-60.00	0.1029E 00	-7.5 TO 37.5	0.1749E-02	82.5-127.5	0.4098E-03	45	0- 45	0.7258E-02	90-135	0.1958E-02
60-75.00	0.1198E 00	-7.5 TO 37.5	0.5335E-03	82.5-127.5	0.2641E-04	60	0- 45	0.3086E-02	90-135	0.3257E-03
75-82.34	0.6232E-01	-7.5 TO 37.5	0.3578E-04	82.5-127.5	0.	75	0- 45	0.3027E-03	90-135	0.
0-15.00	0.2256E-01	-7.5 TO 52.5	0.4339E-02	82.5-142.5	0.3161E-02	0	0- 60	0.1500E-01	90-150	0.1500E-01
15-30.00	0.6615E-01	-7.5 TO 52.5	0.4206E-02	82.5-142.5	0.2097E-02	15	0- 60	0.1752E-01	90-150	0.1065E-01
30-45.00	0.1052E 00	-7.5 TO 52.5	0.3074E-02	82.5-142.5	0.1062E-02	30	0- 60	0.1467E-01	90-150	0.5779E-02
45-60.00	0.1371E 00	-7.5 TO 52.5	0.1641E-02	82.5-142.5	0.3625E-03	45	0- 60	0.9035E-02	90-150	0.2378E-02
60-75.00	0.1597E 00	-7.5 TO 52.5	0.4820E-03	82.5-142.5	0.2058E-04	60	0- 60	0.3744E-02	90-150	0.3529E-03
75-82.34	0.8310E-01	-7.5 TO 52.5	0.2819E-04	82.5-142.5	0.	75	0- 60	0.3144E-03	90-150	0.
0-15.00	0.2821E-01	-7.5 TO 67.5	0.4256E-02	82.5-157.5	0.3088E-02	0	0- 75	0.1875E-01	90-165	0.1875E-01
15-30.00	0.8269E-01	-7.5 TO 67.5	0.4037E-02	82.5-157.5	0.1995E-02	15	0- 75	0.2119E-01	90-165	0.1290E-01
30-45.00	0.1315E 00	-7.5 TO 67.5	0.2896E-02	82.5-157.5	0.9873E-03	30	0- 75	0.1730E-01	90-165	0.6830E-02
45-60.00	0.1714E 00	-7.5 TO 67.5	0.1518E-02	82.5-157.5	0.3260E-03	45	0- 75	0.1044E-01	90-165	0.2748E-02
60-75.00	0.1996E 00	-7.5 TO 67.5	0.4262E-03	82.5-157.5	0.1681E-04	60	0- 75	0.4200E-02	90-165	0.3701E-03
75-82.34	0.1039E 00	-7.5 TO 67.5	0.2263E-04	82.5-157.5	0.	75	0- 75	0.3146E-03	90-165	0.
0-15.00	0.3385E-01	-7.5 TO 82.5	0.4161E-02	82.5-172.5	0.3028E-02	0	0- 90	0.2250E-01	90-180	0.2250E-01
15-30.00	0.9923E-01	-7.5 TO 82.5	0.3852E-02	82.5-172.5	0.1915E-02	15	0- 90	0.2453E-01	90-180	0.1509E-01
30-45.00	0.1579E 00	-7.5 TO 82.5	0.2707E-02	82.5-172.5	0.9287E-03	30	0- 90	0.1948E-01	90-180	0.7836E-02
45-60.00	0.2057E 00	-7.5 TO 82.5	0.1392E-02	82.5-172.5	0.2981E-03	45	0- 90	0.1152E-01	90-180	0.3095E-02
60-75.00	0.2396E 00	-7.5 TO 82.5	0.3729E-03	82.5-172.5	0.1422E-04	60	0- 90	0.4493E-02	90-180	0.3846E-03
75-82.34	0.1246E 00	-7.5 TO 82.5	0.1886E-04	82.5-172.5	0.	75	0- 90	0.3146E-03	90-180	0.
0-15.00	0.3949E-01	-7.5 TO 97.5	0.4060E-02	82.5-187.5	0.2982E-02	0	0-105	0.2625E-01	90-195	0.2625E-01
15-30.00	0.1158E 00	-7.5 TO 97.5	0.3664E-02	82.5-187.5	0.1853E-02	15	0-105	0.2755E-01	90-195	0.1729E-01
30-45.00	0.1842E 00	-7.5 TO 97.5	0.2522E-02	82.5-187.5	0.8844E-03	30	0-105	0.2130E-01	90-195	0.8842E-02
45-60.00	0.2400E 00	-7.5 TO 97.5	0.1271E-02	82.5-187.5	0.2773E-03	45	0-105	0.1234E-01	90-195	0.3442E-02
60-75.00	0.2795E 00	-7.5 TO 97.5	0.3267E-03	82.5-187.5	0.1236E-04	60	0-105	0.4668E-02	90-195	0.3992E-03
75-82.34	0.1454E 00	-7.5 TO 97.5	0.1616E-04	82.5-187.5	0.	75	0-105	0.3146E-03	90-195	0.

r_2/r_1 = 0.60 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5640 $\cosh \mu_2$ = 4.0600 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 160.78

0-15.00	0.1600E-02	-7.5 TO 7.5	0.8379E-04	82.5- 97.5	0.8213E-04	0	0- 15	0.8571E-04	90-105	0.8571E-04
15-30.00	0.4692E-02	-7.5 TO 7.5	0.7259E-04	82.5- 97.5	0.6936E-04	15	0- 15	0.8104E-04	90-105	0.7833E-04
30-45.00	0.7464E-02	-7.5 TO 7.5	0.5286E-04	82.5- 97.5	0.4916E-04	30	0- 15	0.6436E-04	90-105	0.6024E-04
45-60.00	0.9727E-02	-7.5 TO 7.5	0.3098E-04	82.5- 97.5	0.2790E-04	45	0- 15	0.4226E-04	90-105	0.3830E-04
60-75.00	0.1133E-01	-7.5 TO 7.5	0.1152E-04	82.5- 97.5	0.9518E-05	60	0- 15	0.2085E-04	90-105	0.1796E-04
75-85.41	0.8399E-02	-7.5 TO 7.5	0.4856E-06	82.5- 97.5	0.1400E-06	75	0- 15	0.3218E-05	90-105	0.1601E-05
0-15.00	0.3201E-02	-7.5 TO 22.5	0.8377E-04	82.5-112.5	0.8192E-04	0	0- 30	0.1714E-03	90-120	0.1714E-03
15-30.00	0.9384E-02	-7.5 TO 22.5	0.7253E-04	82.5-112.5	0.6895E-04	15	0- 30	0.1619E-03	90-120	0.1561E-03
30-45.00	0.1493E-01	-7.5 TO 22.5	0.5280E-04	82.5-112.5	0.4870E-04	30	0- 30	0.1285E-03	90-120	0.1196E-03
45-60.00	0.1945E-01	-7.5 TO 22.5	0.3093E-04	82.5-112.5	0.2752E-04	45	0- 30	0.8428E-04	90-120	0.7574E-04
60-75.00	0.2266E-01	-7.5 TO 22.5	0.1148E-04	82.5-112.5	0.9276E-05	60	0- 30	0.4152E-04	90-120	0.3531E-04
75-85.41	0.1680E-01	-7.5 TO 22.5	0.4763E-06	82.5-112.5	0.1264E-06	75	0- 30	0.6331E-05	90-120	0.2870E-05
0-15.00	0.4801E-02	-7.5 TO 37.5	0.8370E-04	82.5-127.5	0.8172E-04	0	0- 45	0.2571E-03	90-135	0.2571E-03
15-30.00	0.1408E-01	-7.5 TO 37.5	0.7240E-04	82.5-127.5	0.6856E-04	15	0- 45	0.2425E-03	90-135	0.2333E-03
30-45.00	0.2239E-01	-7.5 TO 37.5	0.5265E-04	82.5-127.5	0.4826E-04	30	0- 45	0.1921E-03	90-135	0.1781E-03
45-60.00	0.2918E-01	-7.5 TO 37.5	0.3080E-04	82.5-127.5	0.2716E-04	45	0- 45	0.1258E-03	90-135	0.1124E-03
60-75.00	0.3398E-01	-7.5 TO 37.5	0.1140E-04	82.5-127.5	0.9049E-05	60	0- 45	0.6184E-04	90-135	0.5213E-04
75-85.41	0.2520E-01	-7.5 TO 37.5	0.4553E-06	82.5-127.5	0.1137E-06	75	0- 45	0.9246E-05	90-135	0.3851E-05
0-15.00	0.6401E-02	-7.5 TO 52.5	0.8360E-04	82.5-142.5	0.8153E-04	0	0- 60	0.3428E-03	90-150	0.3428E-03
15-30.00	0.1877E-01	-7.5 TO 52.5	0.7221E-04	82.5-142.5	0.6821E-04	15	0- 60	0.3226E-03	90-150	0.3100E-03
30-45.00	0.2986E-01	-7.5 TO 52.5	0.5242E-04	82.5-142.5	0.4786E-04	30	0- 60	0.2550E-03	90-150	0.2361E-03
45-60.00	0.3891E-01	-7.5 TO 52.5	0.3062E-04	82.5-142.5	0.2684E-04	45	0- 60	0.1667E-03	90-150	0.1485E-03
60-75.00	0.4531E-01	-7.5 TO 52.5	0.1128E-04	82.5-142.5	0.8844E-05	60	0- 60	0.8167E-04	90-150	0.6852E-04
75-85.41	0.3359E-01	-7.5 TO 52.5	0.4244E-06	82.5-142.5	0.1023E-06	75	0- 60	0.1189E-04	90-150	0.4604E-05
0-15.00	0.8002E-02	-7.5 TO 67.5	0.8347E-04	82.5-157.5	0.8137E-04	0	0- 75	0.4285E-03	90-165	0.4285E-03
15-30.00	0.2346E-01	-7.5 TO 67.5	0.7196E-04	82.5-157.5	0.6790E-04	15	0- 75	0.4021E-03	90-165	0.3865E-03
30-45.00	0.3732E-01	-7.5 TO 67.5	0.5214E-04	82.5-157.5	0.4752E-04	30	0- 75	0.3171E-03	90-165	0.2935E-03
45-60.00	0.4864E-01	-7.5 TO 67.5	0.3037E-04	82.5-157.5	0.2655E-04	45	0- 75	0.2068E-03	90-165	0.1842E-03
60-75.00	0.5664E-01	-7.5 TO 67.5	0.1112E-04	82.5-157.5	0.8666E-05	60	0- 75	0.1009E-03	90-165	0.8462E-04
75-85.41	0.4199E-01	-7.5 TO 67.5	0.3869E-06	82.5-157.5	0.9234E-07	75	0- 75	0.1420E-04	90-165	0.5199E-05
0-15.00	0.9602E-02	-7.5 TO 82.5	0.8332E-04	82.5-172.5	0.8123E-04	0	0- 90	0.5143E-03	90-180	0.5143E-03
15-30.00	0.2815E-01	-7.5 TO 82.5	0.7166E-04	82.5-172.5	0.6764E-04	15	0- 90	0.4811E-03	90-180	0.4628E-03
30-45.00	0.4478E-01	-7.5 TO 82.5	0.5180E-04	82.5-172.5	0.4723E-04	30	0- 90	0.3783E-03	90-180	0.3508E-03
45-60.00	0.5836E-01	-7.5 TO 82.5	0.3009E-04	82.5-172.5	0.2632E-04	45	0- 90	0.2460E-03	90-180	0.2197E-03
60-75.00	0.6797E-01	-7.5 TO 82.5	0.1094E-04	82.5-172.5	0.8519E-05	60	0- 90	0.1195E-03	90-180	0.1006E-03
75-85.41	0.5039E-01	-7.5 TO 82.5	0.3509E-06	82.5-172.5	0.8415E-07	75	0- 90	0.1615E-04	90-180	0.5715E-05
0-15.00	0.1120E-01	-7.5 TO 97.5	0.8315E-04	82.5-187.5	0.8113E-04	0	0-105	0.6000E-03	90-195	0.6000E-03
15-30.00	0.3284E-01	-7.5 TO 97.5	0.7133E-04	82.5-187.5	0.6744E-04	15	0-105	0.5594E-03	90-195	0.5391E-03
30-45.00	0.5225E-01	-7.5 TO 97.5	0.5142E-04	82.5-187.5	0.4701E-04	30	0-105	0.4385E-03	90-195	0.4080E-03
45-60.00	0.6809E-01	-7.5 TO 97.5	0.2978E-04	82.5-187.5	0.2614E-04	45	0-105	0.2843E-03	90-195	0.2552E-03
60-75.00	0.7929E-01	-7.5 TO 97.5	0.1073E-04	82.5-187.5	0.8405E-05	60	0-105	0.1375E-03	90-195	0.1165E-03
75-85.41	0.5879E-01	-7.5 TO 97.5	0.3208E-06	82.5-187.5	0.7786E-07	75	0-105	0.1775E-04	90-195	0.6230E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

r_2/r_1 = 0.60 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5640 $\cosh \mu_2$ = 4.0800 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 141.98

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1600E-02	-7.5 TO 7.5	0.3044E-03	82.5- 97.5	0.2946E-03	0	0- 15	0.3073E-03	90-105	0.3073E-03
15-30.00	0.4692E-02	-7.5 TO 7.5	0.2724E-03	82.5- 97.5	0.2492E-03	15	0- 15	0.2993E-03	90-105	0.2880E-03
30-45.00	0.7464E-02	-7.5 TO 7.5	0.2040E-03	82.5- 97.5	0.1771E-03	30	0- 15	0.2447E-03	90-105	0.2151E-03
45-60.00	0.9727E-02	-7.5 TO 7.5	0.1235E-03	82.5- 97.5	0.1009E-03	45	0- 15	0.1655E-03	90-105	0.1367E-03
60-75.00	0.1133E-01	-7.5 TO 7.5	0.4949E-04	82.5- 97.5	0.3471E-04	60	0- 15	0.8525E-04	90-105	0.6407E-04
75-85.41	0.8399E-02	-7.5 TO 7.5	0.3951E-05	82.5- 97.5	0.5384E-06	75	0- 15	0.1740E-04	90-105	0.5511E-05
0-15.00	0.3201E-02	-7.5 TO 22.5	0.3062E-03	82.5-112.5	0.2931E-03	0	0- 30	0.6146E-03	90-120	0.6146E-03
15-30.00	0.9384E-02	-7.5 TO 22.5	0.2720E-03	82.5-112.5	0.2463E-03	15	0- 30	0.5974E-03	90-120	0.5558E-03
30-45.00	0.1493E-01	-7.5 TO 22.5	0.2035E-03	82.5-112.5	0.1739E-03	30	0- 30	0.4875E-03	90-120	0.4239E-03
45-60.00	0.1945E-01	-7.5 TO 22.5	0.1231E-03	82.5-112.5	0.9825E-04	45	0- 30	0.3292E-03	90-120	0.2675E-03
60-75.00	0.2266E-01	-7.5 TO 22.5	0.4922E-04	82.5-112.5	0.3304E-04	60	0- 30	0.1691E-03	90-120	0.1240E-03
75-85.41	0.1680E-01	-7.5 TO 22.5	0.3864E-05	82.5-112.5	0.4414E-06	75	0- 30	0.3399E-04	90-120	0.8795E-05
0-15.00	0.4801E-02	-7.5 TO 37.5	0.3057E-03	82.5-127.5	0.2917E-03	0	0- 45	0.9219E-03	90-135	0.9219E-03
15-30.00	0.1408E-01	-7.5 TO 37.5	0.2710E-03	82.5-127.5	0.2436E-03	15	0- 45	0.8931E-03	90-135	0.8280E-03
30-45.00	0.2239E-01	-7.5 TO 37.5	0.2024E-03	82.5-127.5	0.1708E-03	30	0- 45	0.7268E-03	90-135	0.6273E-03
45-60.00	0.2918E-01	-7.5 TO 37.5	0.1222E-03	82.5-127.5	0.9579E-04	45	0- 45	0.4893E-03	90-135	0.3932E-03
60-75.00	0.3398E-01	-7.5 TO 37.5	0.4859E-04	82.5-127.5	0.3150E-04	60	0- 45	0.2503E-03	90-135	0.1803E-03
75-85.41	0.2520E-01	-7.5 TO 37.5	0.3674E-05	82.5-127.5	0.3558E-06	75	0- 45	0.4904E-04	90-135	0.1034E-04
0-15.00	0.6401E-02	-7.5 TO 52.5	0.3050E-03	82.5-142.5	0.2904E-03	0	0- 60	0.1229E-02	90-150	0.1229E-02
15-30.00	0.1877E-01	-7.5 TO 52.5	0.2696E-03	82.5-142.5	0.2412E-03	15	0- 60	0.1186E-02	90-150	0.1097E-02
30-45.00	0.2986E-01	-7.5 TO 52.5	0.2008E-03	82.5-142.5	0.1681E-03	30	0- 60	0.9610E-03	90-150	0.8263E-03
45-60.00	0.3891E-01	-7.5 TO 52.5	0.1208E-03	82.5-142.5	0.9358E-04	45	0- 60	0.6445E-03	90-150	0.5149E-03
60-75.00	0.4531E-01	-7.5 TO 52.5	0.4765E-04	82.5-142.5	0.3014E-04	60	0- 60	0.3278E-03	90-150	0.2338E-03
75-85.41	0.3359E-01	-7.5 TO 52.5	0.3409E-05	82.5-142.5	0.2889E-06	75	0- 60	0.6201E-04	90-150	0.1118E-04
0-15.00	0.8002E-02	-7.5 TO 67.5	0.3041E-03	82.5-157.5	0.2893E-03	0	0- 75	0.1536E-02	90-165	0.1536E-02
15-30.00	0.2346E-01	-7.5 TO 67.5	0.2678E-03	82.5-157.5	0.2390E-03	15	0- 75	0.1474E-02	90-165	0.1364E-02
30-45.00	0.3732E-01	-7.5 TO 67.5	0.1986E-03	82.5-157.5	0.1657E-03	30	0- 75	0.1189E-02	90-165	0.1022E-02
45-60.00	0.4864E-01	-7.5 TO 67.5	0.1190E-03	82.5-157.5	0.9167E-04	45	0- 75	0.7939E-03	90-165	0.6337E-03
60-75.00	0.5664E-01	-7.5 TO 67.5	0.4646E-04	82.5-157.5	0.2898E-04	60	0- 75	0.4011E-03	90-165	0.2853E-03
75-85.41	0.4199E-01	-7.5 TO 67.5	0.3087E-05	82.5-157.5	0.2422E-06	75	0- 75	0.7254E-04	90-165	0.1178E-04
0-15.00	0.9602E-02	-7.5 TO 82.5	0.3030E-03	82.5-172.5	0.2883E-03	0	0- 90	0.1844E-02	90-180	0.1844E-02
15-30.00	0.2815E-01	-7.5 TO 82.5	0.2657E-03	82.5-172.5	0.2372E-03	15	0- 90	0.1759E-02	90-180	0.1630E-02
30-45.00	0.4478E-01	-7.5 TO 82.5	0.1961E-03	82.5-172.5	0.1638E-03	30	0- 90	0.1411E-02	90-180	0.1217E-02
45-60.00	0.5836E-01	-7.5 TO 82.5	0.1169E-03	82.5-172.5	0.9009E-04	45	0- 90	0.9369E-03	90-180	0.7512E-03
60-75.00	0.6797E-01	-7.5 TO 82.5	0.4509E-04	82.5-172.5	0.2804E-04	60	0- 90	0.4697E-03	90-180	0.3359E-03
75-85.41	0.5039E-01	-7.5 TO 82.5	0.2736E-05	82.5-172.5	0.2090E-06	75	0- 90	0.8052E-04	90-180	0.1229E-04
0-15.00	0.1120E-01	-7.5 TO 97.5	0.3018E-03	82.5-187.5	0.2876E-03	0	0-105	0.2151E-02	90-195	0.2151E-02
15-30.00	0.3284E-01	-7.5 TO 97.5	0.2633E-03	82.5-187.5	0.2359E-03	15	0-105	0.2039E-02	90-195	0.1896E-02
30-45.00	0.5225E-01	-7.5 TO 97.5	0.1934E-03	82.5-187.5	0.1623E-03	30	0-105	0.1626E-02	90-195	0.1411E-02
45-60.00	0.6809E-01	-7.5 TO 97.5	0.1146E-03	82.5-187.5	0.8888E-04	45	0-105	0.1074E-02	90-195	0.8686E-03
60-75.00	0.7929E-01	-7.5 TO 97.5	0.4361E-04	82.5-187.5	0.2732E-04	60	0-105	0.5338E-03	90-195	0.3865E-03
75-85.41	0.5879E-01	-7.5 TO 97.5	0.2422E-05	82.5-187.5	0.1849E-06	75	0-105	0.8603E-04	90-195	0.1281E-04

r_2/r_1 = 0.60 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5640 $\cosh \mu_2$ = 4.0800 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 123.92

0-15.00	0.1600E-02	-7.5 TO 7.5	0.5877E-03	82.5- 97.5	0.5548E-03	0	0- 15	0.5784E-03	90-105	0.5784E-03
15-30.00	0.4692E-02	-7.5 TO 7.5	0.5354E-03	82.5- 97.5	0.4703E-03	15	0- 15	0.5794E-03	90-105	0.5258E-03
30-45.00	0.7464E-02	-7.5 TO 7.5	0.4119E-03	82.5- 97.5	0.3356E-03	30	0- 15	0.4872E-03	90-105	0.4038E-03
45-60.00	0.9727E-02	-7.5 TO 7.5	0.2570E-03	82.5- 97.5	0.1923E-03	45	0- 15	0.3390E-03	90-105	0.2570E-03
60-75.00	0.1133E-01	-7.5 TO 7.5	0.1093E-03	82.5- 97.5	0.6692E-04	60	0- 15	0.1812E-03	90-105	0.1208E-03
75-85.41	0.8399E-02	-7.5 TO 7.5	0.1253E-04	82.5- 97.5	0.1160E-05	75	0- 15	0.4409E-04	90-105	0.1040E-04
0-15.00	0.3201E-02	-7.5 TO 22.5	0.5871E-03	82.5-112.5	0.5507E-03	0	0- 30	0.1157E-02	90-120	0.1157E-02
15-30.00	0.9384E-02	-7.5 TO 22.5	0.5343E-03	82.5-112.5	0.4624E-03	15	0- 30	0.1155E-02	90-120	0.1040E-02
30-45.00	0.1493E-01	-7.5 TO 22.5	0.4105E-03	82.5-112.5	0.3267E-03	30	0- 30	0.9690E-03	90-120	0.7905E-03
45-60.00	0.1945E-01	-7.5 TO 22.5	0.2558E-03	82.5-112.5	0.1851E-03	45	0- 30	0.6724E-03	90-120	0.4981E-03
60-75.00	0.2266E-01	-7.5 TO 22.5	0.1084E-03	82.5-112.5	0.6243E-04	60	0- 30	0.3582E-03	90-120	0.2304E-03
75-85.41	0.1680E-01	-7.5 TO 22.5	0.1224E-04	82.5-112.5	0.8734E-06	75	0- 30	0.8575E-04	90-120	0.1507E-04
0-15.00	0.4801E-02	-7.5 TO 37.5	0.5858E-03	82.5-127.5	0.5468E-03	0	0- 45	0.1735E-02	90-135	0.1735E-02
15-30.00	0.1408E-01	-7.5 TO 37.5	0.5316E-03	82.5-127.5	0.4551E-03	15	0- 45	0.1725E-02	90-135	0.1544E-02
30-45.00	0.2239E-01	-7.5 TO 37.5	0.4073E-03	82.5-127.5	0.3185E-03	30	0- 45	0.1440E-02	90-135	0.1162E-02
45-60.00	0.2918E-01	-7.5 TO 37.5	0.2530E-03	82.5-127.5	0.1784E-03	45	0- 45	0.9956E-03	90-135	0.7254E-03
60-75.00	0.3398E-01	-7.5 TO 37.5	0.1066E-03	82.5-127.5	0.5838E-04	60	0- 45	0.5274E-03	90-135	0.3305E-03
75-85.41	0.2520E-01	-7.5 TO 37.5	0.1160E-04	82.5-127.5	0.6553E-06	75	0- 45	0.1229E-03	90-135	0.1662E-04
0-15.00	0.6401E-02	-7.5 TO 52.5	0.5838E-03	82.5-142.5	0.5433E-03	0	0- 60	0.2314E-02	90-150	0.2314E-02
15-30.00	0.1877E-01	-7.5 TO 52.5	0.5276E-03	82.5-142.5	0.4484E-03	15	0- 60	0.2286E-02	90-150	0.2040E-02
30-45.00	0.2986E-01	-7.5 TO 52.5	0.4025E-03	82.5-142.5	0.3111E-03	30	0- 60	0.1898E-02	90-150	0.1523E-02
45-60.00	0.3891E-01	-7.5 TO 52.5	0.2489E-03	82.5-142.5	0.1725E-03	45	0- 60	0.1305E-02	90-150	0.9421E-03
60-75.00	0.4531E-01	-7.5 TO 52.5	0.1038E-03	82.5-142.5	0.5487E-04	60	0- 60	0.6860E-03	90-150	0.4234E-03
75-85.41	0.3359E-01	-7.5 TO 52.5	0.1068E-04	82.5-142.5	0.5136E-06	75	0- 60	0.1539E-03	90-150	0.1746E-04
0-15.00	0.8002E-02	-7.5 TO 67.5	0.5813E-03	82.5-157.5	0.5402E-03	0	0- 75	0.2892E-02	90-165	0.2892E-02
15-30.00	0.2346E-01	-7.5 TO 67.5	0.5225E-03	82.5-157.5	0.4426E-03	15	0- 75	0.2835E-02	90-165	0.2531E-02
30-45.00	0.3732E-01	-7.5 TO 67.5	0.3965E-03	82.5-157.5	0.3047E-03	30	0- 75	0.2338E-02	90-165	0.1875E-02
45-60.00	0.4864E-01	-7.5 TO 67.5	0.2437E-03	82.5-157.5	0.1674E-03	45	0- 75	0.1597E-02	90-165	0.1151E-02
60-75.00	0.5664E-01	-7.5 TO 67.5	0.1003E-03	82.5-157.5	0.5194E-04	60	0- 75	0.8322E-03	90-165	0.5114E-03
75-85.41	0.4199E-01	-7.5 TO 67.5	0.9601E-05	82.5-157.5	0.4219E-06	75	0- 75	0.1780E-03	90-165	0.1806E-04
0-15.00	0.9602E-02	-7.5 TO 82.5	0.5782E-03	82.5-172.5	0.5376E-03	0	0- 90	0.3471E-02	90-180	0.3471E-02
15-30.00	0.2815E-01	-7.5 TO 82.5	0.5165E-03	82.5-172.5	0.4378E-03	15	0- 90	0.3373E-02	90-180	0.3018E-02
30-45.00	0.4478E-01	-7.5 TO 82.5	0.3894E-03	82.5-172.5	0.2995E-03	30	0- 90	0.2760E-02	90-180	0.2223E-02
45-60.00	0.5836E-01	-7.5 TO 82.5	0.2377E-03	82.5-172.5	0.1633E-03	45	0- 90	0.1871E-02	90-180	0.1357E-02
60-75.00	0.6797E-01	-7.5 TO 82.5	0.9640E-04	82.5-172.5	0.4956E-04	60	0- 90	0.9655E-03	90-180	0.5970E-03
75-85.41	0.5039E-01	-7.5 TO 82.5	0.8470E-05	82.5-172.5	0.3588E-06	75	0- 90	0.1950E-03	90-180	0.1857E-04
0-15.00	0.1120E-01	-7.5 TO 97.5	0.5749E-03	82.5-187.5	0.5356E-03	0	0-105	0.4049E-02	90-195	0.4049E-02
15-30.00	0.3284E-01	-7.5 TO 97.5	0.5099E-03	82.5-187.5	0.4341E-03	15	0-105	0.3899E-02	90-195	0.3506E-02
30-45.00	0.5225E-01	-7.5 TO 97.5	0.3817E-03	82.5-187.5	0.2955E-03	30	0-105	0.3164E-02	90-195	0.2571E-02
45-60.00	0.6809E-01	-7.5 TO 97.5	0.2312E-03	82.5-187.5	0.1601E-03	45	0-105	0.2128E-02	90-195	0.1563E-02
60-75.00	0.7929E-01	-7.5 TO 97.5	0.9219E-04	82.5-187.5	0.4775E-04	60	0-105	0.1086E-02	90-195	0.6825E-03
75-85.41	0.5879E-01	-7.5 TO 97.5	0.7426E-05	82.5-187.5	0.3133E-06	75	0-105	0.2054E-03	90-195	0.1909E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5640$ $\cosh \mu_2 = 4.0600$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 106.82$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1600E-02	-7.5 TO 7.5	0.8337E-03	82.5- 97.5	0.7735E-03	0	0- 15	0.8059E-03	90-105	0.8059E-03
15-30.00	0.4692E-02	-7.5 TO 7.5	0.7776E-03	82.5- 97.5	0.6572E-03	15	0- 15	0.8291E-03	90-105	0.7309E-03
30-45.00	0.7464E-02	-7.5 TO 7.5	0.6133E-03	82.5- 97.5	0.4710E-03	30	0- 15	0.7159E-03	90-105	0.5614E-03
45-60.00	0.9727E-02	-7.5 TO 7.5	0.3928E-03	82.5- 97.5	0.2716E-03	45	0- 15	0.5110E-03	90-105	0.3582E-03
60-75.00	0.1133E-01	-7.5 TO 7.5	0.1745E-03	82.5- 97.5	0.9568E-04	60	0- 15	0.2816E-03	90-105	0.1691E-03
75-85.41	0.8399E-02	-7.5 TO 7.5	0.2523E-04	82.5- 97.5	0.1820E-05	75	0- 15	0.7656E-04	90-105	0.1494E-04
0-15.00	0.3201E-02	-7.5 TO 22.5	0.8326E-03	82.5-112.5	0.7660E-03	0	0- 30	0.1612E-02	90-120	0.1612E-02
15-30.00	0.9384E-02	-7.5 TO 22.5	0.7754E-03	82.5-112.5	0.6429E-03	15	0- 30	0.1652E-02	90-120	0.1441E-02
30-45.00	0.1493E-01	-7.5 TO 22.5	0.4106E-03	82.5-112.5	0.4549E-03	30	0- 30	0.1422E-02	90-120	0.1092E-02
45-60.00	0.1945E-01	-7.5 TO 22.5	0.3904E-03	82.5-112.5	0.2585E-03	45	0- 30	0.1012E-02	90-120	0.6877E-03
60-75.00	0.2266E-01	-7.5 TO 22.5	0.1729E-03	82.5-112.5	0.8781E-04	60	0- 30	0.5553E-03	90-120	0.3183E-03
75-85.41	0.1680E-01	-7.5 TO 22.5	0.2454E-04	82.5-112.5	0.1305E-05	75	0- 30	0.1484E-03	90-120	0.2048E-04
0-15.00	0.4801E-02	-7.5 TO 37.5	0.8302E-03	82.5-127.5	0.7590E-03	0	0- 45	0.2418E-02	90-135	0.2418E-02
15-30.00	0.1408E-01	-7.5 TO 37.5	0.7704E-03	82.5-127.5	0.6295E-03	15	0- 45	0.2464E-02	90-135	0.2133E-02
30-45.00	0.2239E-01	-7.5 TO 37.5	0.6045E-03	82.5-127.5	0.4401E-03	30	0- 45	0.2108E-02	90-135	0.1596E-02
45-60.00	0.2918E-01	-7.5 TO 37.5	0.3851E-03	82.5-127.5	0.2467E-03	45	0- 45	0.1492E-02	90-135	0.9929E-03
60-75.00	0.3398E-01	-7.5 TO 37.5	0.1693E-03	82.5-127.5	0.8085E-04	60	0- 45	0.8139E-03	90-135	0.4513E-03
75-85.41	0.2520E-01	-7.5 TO 37.5	0.2309E-04	82.5-127.5	0.9484E-06	75	0- 45	0.2116E-03	90-135	0.2203E-04
0-15.00	0.6401E-02	-7.5 TO 52.5	0.8266E-03	82.5-142.5	0.7525E-03	0	0- 60	0.3223E-02	90-150	0.3223E-02
15-30.00	0.1877E-01	-7.5 TO 52.5	0.7630E-03	82.5-142.5	0.6175E-03	15	0- 60	0.3258E-02	90-150	0.2810E-02
30-45.00	0.2986E-01	-7.5 TO 52.5	0.5955E-03	82.5-142.5	0.4268E-03	30	0- 60	0.2768E-02	90-150	0.2079E-02
45-60.00	0.3891E-01	-7.5 TO 52.5	0.3773E-03	82.5-142.5	0.2363E-03	45	0- 60	0.1946E-02	90-150	0.1279E-02
60-75.00	0.4531E-01	-7.5 TO 52.5	0.1641E-03	82.5-142.5	0.7494E-04	60	0- 60	0.1052E-02	90-150	0.5721E-03
75-85.41	0.3359E-01	-7.5 TO 52.5	0.2114E-04	82.5-142.5	0.7334E-06	75	0- 60	0.2634E-03	90-150	0.2286E-04
0-15.00	0.8002E-02	-7.5 TO 67.5	0.8219E-03	82.5-157.5	0.7469E-03	0	0- 75	0.4029E-02	90-165	0.4029E-02
15-30.00	0.2346E-01	-7.5 TO 67.5	0.7535E-03	82.5-157.5	0.6071E-03	15	0- 75	0.4033E-02	90-165	0.3477E-02
30-45.00	0.3732E-01	-7.5 TO 67.5	0.5841E-03	82.5-157.5	0.4155E-03	30	0- 75	0.3396E-02	90-165	0.2548E-02
45-60.00	0.4864E-01	-7.5 TO 67.5	0.3674E-03	82.5-157.5	0.2274E-03	45	0- 75	0.2369E-02	90-165	0.1553E-02
60-75.00	0.5664E-01	-7.5 TO 67.5	0.1575E-03	82.5-157.5	0.7004E-04	60	0- 75	0.1268E-02	90-165	0.6846E-03
75-85.41	0.4199E-01	-7.5 TO 67.5	0.1891E-04	82.5-157.5	0.5977E-06	75	0- 75	0.3024E-03	90-165	0.2346E-04
0-15.00	0.9602E-02	-7.5 TO 82.5	0.8163E-03	82.5-172.5	0.7423E-03	0	0- 90	0.4835E-02	90-180	0.4835E-02
15-30.00	0.2815E-01	-7.5 TO 82.5	0.7423E-03	82.5-172.5	0.5985E-03	15	0- 90	0.4786E-02	90-180	0.4139E-02
30-45.00	0.4478E-01	-7.5 TO 82.5	0.5709E-03	82.5-172.5	0.4062E-03	30	0- 90	0.3991E-02	90-180	0.3010E-02
45-60.00	0.5836E-01	-7.5 TO 82.5	0.3561E-03	82.5-172.5	0.2202E-03	45	0- 90	0.2759E-02	90-180	0.1821E-02
60-75.00	0.6797E-01	-7.5 TO 82.5	0.1501E-03	82.5-172.5	0.6611E-04	60	0- 90	0.1459E-02	90-180	0.7932E-03
75-85.41	0.5039E-01	-7.5 TO 82.5	0.1663E-04	82.5-172.5	0.5053E-06	75	0- 90	0.3288E-03	90-180	0.2398E-04
0-15.00	0.1120E-01	-7.5 TO 97.5	0.8102E-03	82.5-187.5	0.7387E-03	0	0-105	0.5641E-02	90-195	0.5641E-02
15-30.00	0.3284E-01	-7.5 TO 97.5	0.7302E-03	82.5-187.5	0.5919E-03	15	0-105	0.5517E-02	90-195	0.4800E-02
30-45.00	0.5225E-01	-7.5 TO 97.5	0.5566E-03	82.5-187.5	0.3990E-03	30	0-105	0.4552E-02	90-195	0.3471E-02
45-60.00	0.6809E-01	-7.5 TO 97.5	0.3440E-03	82.5-187.5	0.2147E-03	45	0-105	0.3117E-02	90-195	0.2088E-02
60-75.00	0.7929E-01	-7.5 TO 97.5	0.1424E-03	82.5-187.5	0.6312E-04	60	0-105	0.1628E-02	90-195	0.9017E-03
75-85.41	0.5879E-01	-7.5 TO 97.5	0.1451E-04	82.5-187.5	0.4389E-06	75	0-105	0.3437E-03	90-195	0.2450E-04

$r_2/r_1 = 0.60$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5640$ $\cosh \mu_2 = 4.0600$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 90.77$

0-15.00	0.1600E-02	-7.5 TO 7.5	0.9759E-03	82.5- 97.5	0.8890E-03	0	0- 15	0.9258E-03	90-105	0.9258E-03
15-30.00	0.4692E-02	-7.5 TO 7.5	0.9317E-03	82.5- 97.5	0.7569E-03	15	0- 15	0.9796E-03	90-105	0.8374E-03
30-45.00	0.7464E-02	-7.5 TO 7.5	0.7520E-03	82.5- 97.5	0.5445E-03	30	0- 15	0.8675E-03	90-105	0.6430E-03
45-60.00	0.9727E-02	-7.5 TO 7.5	0.4924E-03	82.5- 97.5	0.3157E-03	45	0- 15	0.6335E-03	90-105	0.4110E-03
60-75.00	0.1133E-01	-7.5 TO 7.5	0.2256E-03	82.5- 97.5	0.1123E-03	60	0- 15	0.3576E-03	90-105	0.1948E-03
75-85.41	0.8399E-02	-7.5 TO 7.5	0.3746E-04	82.5- 97.5	0.2342E-05	75	0- 15	0.1037E-03	90-105	0.1771E-04
0-15.00	0.3201E-02	-7.5 TO 22.5	0.9743E-03	82.5-112.5	0.8783E-03	0	0- 30	0.1852E-02	90-120	0.1852E-02
15-30.00	0.9384E-02	-7.5 TO 22.5	0.9285E-03	82.5-112.5	0.7364E-03	15	0- 30	0.1950E-02	90-120	0.1645E-02
30-45.00	0.1493E-01	-7.5 TO 22.5	0.7480E-03	82.5-112.5	0.5216E-03	30	0- 30	0.1720E-02	90-120	0.1242E-02
45-60.00	0.1945E-01	-7.5 TO 22.5	0.4889E-03	82.5-112.5	0.2973E-03	45	0- 30	0.1251E-02	90-120	0.7814E-03
60-75.00	0.2266E-01	-7.5 TO 22.5	0.2232E-03	82.5-112.5	0.1017E-03	60	0- 30	0.7032E-03	90-120	0.3624E-03
75-85.41	0.1680E-01	-7.5 TO 22.5	0.3638E-04	82.5-112.5	0.1627E-05	75	0- 30	0.2006E-03	90-120	0.2373E-04
0-15.00	0.4801E-02	-7.5 TO 37.5	0.9708E-03	82.5-127.5	0.8682E-03	0	0- 45	0.2777E-02	90-135	0.2777E-02
15-30.00	0.1408E-01	-7.5 TO 37.5	0.9212E-03	82.5-127.5	0.7174E-03	15	0- 45	0.2903E-02	90-135	0.2427E-02
30-45.00	0.2239E-01	-7.5 TO 37.5	0.7391E-03	82.5-127.5	0.5006E-03	30	0- 45	0.2544E-02	90-135	0.1804E-02
45-60.00	0.2918E-01	-7.5 TO 37.5	0.4801E-03	82.5-127.5	0.2808E-03	45	0- 45	0.1840E-02	90-135	0.1118E-02
60-75.00	0.3398E-01	-7.5 TO 37.5	0.2179E-03	82.5-127.5	0.9268E-04	60	0- 45	0.1027E-02	90-135	0.5081E-03
75-85.41	0.2520E-01	-7.5 TO 37.5	0.3409E-04	82.5-127.5	0.1166E-05	75	0- 45	0.2848E-03	90-135	0.2529E-04
0-15.00	0.6401E-02	-7.5 TO 52.5	0.9656E-03	82.5-142.5	0.8590E-03	0	0- 60	0.3703E-02	90-150	0.3703E-02
15-30.00	0.1877E-01	-7.5 TO 52.5	0.9103E-03	82.5-142.5	0.7003E-03	15	0- 60	0.3833E-02	90-150	0.3187E-02
30-45.00	0.2986E-01	-7.5 TO 52.5	0.7258E-03	82.5-142.5	0.4819E-03	30	0- 60	0.3329E-02	90-150	0.2336E-02
45-60.00	0.3891E-01	-7.5 TO 52.5	0.4694E-03	82.5-142.5	0.2665E-03	45	0- 60	0.2390E-02	90-150	0.1429E-02
60-75.00	0.4531E-01	-7.5 TO 52.5	0.2101E-03	82.5-142.5	0.8477E-04	60	0- 60	0.1320E-02	90-150	0.6377E-03
75-85.41	0.3359E-01	-7.5 TO 52.5	0.3102E-04	82.5-142.5	0.8966E-06	75	0- 60	0.3526E-03	90-150	0.2612E-04
0-15.00	0.8002E-02	-7.5 TO 67.5	0.9588E-03	82.5-157.5	0.8510E-03	0	0- 75	0.4629E-02	90-165	0.4629E-02
15-30.00	0.2346E-01	-7.5 TO 67.5	0.8964E-03	82.5-157.5	0.6855E-03	15	0- 75	0.4733E-02	90-165	0.3934E-02
30-45.00	0.3732E-01	-7.5 TO 67.5	0.7090E-03	82.5-157.5	0.4660E-03	30	0- 75	0.4069E-02	90-165	0.2848E-02
45-60.00	0.4864E-01	-7.5 TO 67.5	0.4548E-03	82.5-157.5	0.2544E-03	45	0- 75	0.2893E-02	90-165	0.1723E-02
60-75.00	0.5664E-01	-7.5 TO 67.5	0.2006E-03	82.5-157.5	0.7849E-04	60	0- 75	0.1581E-02	90-165	0.7570E-03
75-85.41	0.4199E-01	-7.5 TO 67.5	0.2761E-04	82.5-157.5	0.7283E-06	75	0- 75	0.4026E-03	90-165	0.2672E-04
0-15.00	0.9602E-02	-7.5 TO 82.5	0.9508E-03	82.5-172.5	0.8444E-03	0	0- 90	0.5555E-02	90-180	0.5555E-02
15-30.00	0.2815E-01	-7.5 TO 82.5	0.8802E-03	82.5-172.5	0.6734E-03	15	0- 90	0.5602E-02	90-180	0.4673E-02
30-45.00	0.4478E-01	-7.5 TO 82.5	0.6898E-03	82.5-172.5	0.4530E-03	30	0- 90	0.4760E-02	90-180	0.3350E-02
45-60.00	0.5836E-01	-7.5 TO 82.5	0.4383E-03	82.5-172.5	0.2446E-03	45	0- 90	0.3350E-02	90-180	0.2008E-02
60-75.00	0.6797E-01	-7.5 TO 82.5	0.1899E-03	82.5-172.5	0.7352E-04	60	0- 90	0.1807E-02	90-180	0.8713E-03
75-85.41	0.5039E-01	-7.5 TO 82.5	0.2420E-04	82.5-172.5	0.6142E-06	75	0- 90	0.4353E-03	90-180	0.2724E-04
0-15.00	0.1120E-01	-7.5 TO 97.5	0.9420E-03	82.5-187.5	0.8393E-03	0	0-105	0.6480E-02	90-195	0.6480E-02
15-30.00	0.3284E-01	-7.5 TO 97.5	0.8626E-03	82.5-187.5	0.6640E-03	15	0-105	0.6439E-02	90-195	0.5412E-02
30-45.00	0.5225E-01	-7.5 TO 97.5	0.6690E-03	82.5-187.5	0.4431E-03	30	0-105	0.5403E-02	90-195	0.3852E-02
45-60.00	0.6809E-01	-7.5 TO 97.5	0.4208E-03	82.5-187.5	0.2371E-03	45	0-105	0.3761E-02	90-195	0.2293E-02
60-75.00	0.7929E-01	-7.5 TO 97.5	0.1789E-03	82.5-187.5	0.6975E-04	60	0-105	0.2002E-02	90-195	0.9856E-03
75-85.41	0.5879E-01	-7.5 TO 97.5	0.2107E-04	82.5-187.5	0.5322E-06	75	0-105	0.4530E-03	90-195	0.2775E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

r_2/r_1 = 0.60 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5640 $\cosh \mu_2$ = 4.0600 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 75.74

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1600E-02	-7.5 TO 7.5	0.9990E-03	82.5- 97.5	0.9005E-03	0	0- 15	0.9375E-03	90-105	0.9375E-03
15-30.00	0.4692E-02	-7.5 TO 7.5	0.9704E-03	82.5- 97.5	0.7672E-03	15	0- 15	0.1009E-02	90-105	0.8469E-03
30-45.00	0.7464E-02	-7.5 TO 7.5	0.7995E-03	82.5- 97.5	0.5527E-03	30	0- 15	0.9121E-03	90-105	0.6499E-03
45-60.00	0.9727E-02	-7.5 TO 7.5	0.5334E-03	82.5- 97.5	0.3211E-03	45	0- 15	0.6801E-03	90-105	0.4155E-03
60-75.00	0.1133E-01	-7.5 TO 7.5	0.2489E-03	82.5- 97.5	0.1146E-03	60	0- 15	0.3908E-03	90-105	0.1972E-03
75-85.41	0.8399E-02	-7.5 TO 7.5	0.4377E-04	82.5- 97.5	0.2469E-05	75	0- 15	0.1169E-03	90-105	0.1803E-04
0-15.00	0.3201E-02	-7.5 TO 22.5	0.9972E-03	82.5-112.5	0.8886E-03	0	0- 30	0.1875E-02	90-120	0.1875E-02
15-30.00	0.9384E-02	-7.5 TO 22.5	0.9665E-03	82.5-112.5	0.7447E-03	15	0- 30	0.2007E-02	90-120	0.1661E-02
30-45.00	0.1493E-01	-7.5 TO 22.5	0.7945E-03	82.5-112.5	0.5276E-03	30	0- 30	0.1806E-02	90-120	0.1252E-02
45-60.00	0.1945E-01	-7.5 TO 22.5	0.5289E-03	82.5-112.5	0.3011E-03	45	0- 30	0.1341E-02	90-120	0.7875E-03
60-75.00	0.2266E-01	-7.5 TO 22.5	0.2460E-03	82.5-112.5	0.1032E-03	60	0- 30	0.7666E-03	90-120	0.3653E-03
75-85.41	0.1680E-01	-7.5 TO 22.5	0.4246E-04	82.5-112.5	0.1696E-05	75	0- 30	0.2253E-03	90-120	0.2407E-04
0-15.00	0.4801E-02	-7.5 TO 37.5	0.9932E-03	82.5-127.5	0.8776E-03	0	0- 45	0.2812E-02	90-135	0.2812E-02
15-30.00	0.1408E-01	-7.5 TO 37.5	0.9578E-03	82.5-127.5	0.7241E-03	15	0- 45	0.2985E-02	90-135	0.2447E-02
30-45.00	0.2239E-01	-7.5 TO 37.5	0.7834E-03	82.5-127.5	0.5050E-03	30	0- 45	0.2665E-02	90-135	0.1815E-02
45-60.00	0.2918E-01	-7.5 TO 37.5	0.5190E-03	82.5-127.5	0.2835E-03	45	0- 45	0.1965E-02	90-135	0.1124E-02
60-75.00	0.3398E-01	-7.5 TO 37.5	0.2394E-03	82.5-127.5	0.9352E-04	60	0- 45	0.1115E-02	90-135	0.5111E-03
75-85.41	0.2520E-01	-7.5 TO 37.5	0.3965E-04	82.5-127.5	0.1212E-05	75	0- 45	0.3185E-03	90-135	0.2562E-04
0-15.00	0.6401E-02	-7.5 TO 52.5	0.9871E-03	82.5-142.5	0.8676E-03	0	0- 60	0.3750E-02	90-150	0.3750E-02
15-30.00	0.1877E-01	-7.5 TO 52.5	0.9448E-03	82.5-142.5	0.7057E-03	15	0- 60	0.3935E-02	90-150	0.3211E-02
30-45.00	0.2986E-01	-7.5 TO 52.5	0.7670E-03	82.5-142.5	0.4853E-03	30	0- 60	0.3478E-02	90-150	0.2348E-02
45-60.00	0.3891E-01	-7.5 TO 52.5	0.5045E-03	82.5-142.5	0.2684E-03	45	0- 60	0.2540E-02	90-150	0.1435E-02
60-75.00	0.4531E-01	-7.5 TO 52.5	0.2298E-03	82.5-142.5	0.8556E-04	60	0- 60	0.1426E-02	90-150	0.6407E-03
75-85.41	0.3359E-01	-7.5 TO 52.5	0.3589E-04	82.5-142.5	0.9311E-06	75	0- 60	0.3921E-03	90-150	0.2646E-04
0-15.00	0.8002E-02	-7.5 TO 67.5	0.9794E-03	82.5-157.5	0.8589E-03	0	0- 75	0.4687E-02	90-165	0.4688E-02
15-30.00	0.2346E-01	-7.5 TO 67.5	0.9283E-03	82.5-157.5	0.6901E-03	15	0- 75	0.4853E-02	90-165	0.3960E-02
30-45.00	0.3732E-01	-7.5 TO 67.5	0.7466E-03	82.5-157.5	0.4687E-03	30	0- 75	0.4237E-02	90-165	0.2860E-02
45-60.00	0.4864E-01	-7.5 TO 67.5	0.4865E-03	82.5-157.5	0.2559E-03	45	0- 75	0.3061E-02	90-165	0.1729E-02
60-75.00	0.5664E-01	-7.5 TO 67.5	0.2182E-03	82.5-157.5	0.7912E-04	60	0- 75	0.1697E-02	90-165	0.7600E-03
75-85.41	0.4199E-01	-7.5 TO 67.5	0.3179E-04	82.5-157.5	0.7559E-06	75	0- 75	0.4451E-03	90-165	0.2706E-04
0-15.00	0.9602E-02	-7.5 TO 82.5	0.9703E-03	82.5-172.5	0.8517E-03	0	0- 90	0.5625E-02	90-180	0.5625E-02
15-30.00	0.2815E-01	-7.5 TO 82.5	0.9095E-03	82.5-172.5	0.6772E-03	15	0- 90	0.5735E-02	90-180	0.4701E-02
30-45.00	0.4478E-01	-7.5 TO 82.5	0.7235E-03	82.5-172.5	0.4553E-03	30	0- 90	0.4940E-02	90-180	0.3362E-02
45-60.00	0.5836E-01	-7.5 TO 82.5	0.4666E-03	82.5-172.5	0.2459E-03	45	0- 90	0.3527E-02	90-180	0.2014E-02
60-75.00	0.6797E-01	-7.5 TO 82.5	0.2055E-03	82.5-172.5	0.7404E-04	60	0- 90	0.1930E-02	90-180	0.8743E-03
75-85.41	0.5039E-01	-7.5 TO 82.5	0.2776E-04	82.5-172.5	0.6372E-06	75	0- 90	0.4791E-03	90-180	0.2758E-04
0-15.00	0.1120E-01	-7.5 TO 97.5	0.9603E-03	82.5-187.5	0.8462E-03	0	0-105	0.6562E-02	90-195	0.6562E-02
15-30.00	0.3284E-01	-7.5 TO 97.5	0.8891E-03	82.5-187.5	0.6674E-03	15	0-105	0.6582E-02	90-195	0.5442E-02
30-45.00	0.5225E-01	-7.5 TO 97.5	0.6991E-03	82.5-187.5	0.4450E-03	30	0-105	0.5590E-02	90-195	0.3864E-02
45-60.00	0.6809E-01	-7.5 TO 97.5	0.4458E-03	82.5-187.5	0.2383E-03	45	0-105	0.3943E-02	90-195	0.2299E-02
60-75.00	0.7929E-01	-7.5 TO 97.5	0.1925E-03	82.5-187.5	0.7020E-04	60	0-105	0.2127E-02	90-195	0.9886E-03
75-85.41	0.5879E-01	-7.5 TO 97.5	0.2415E-04	82.5-187.5	0.5519E-06	75	0-105	0.4971E-03	90-195	0.2809E-04

r_2/r_1 = 0.60 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5640 $\cosh \mu_2$ = 4.0600 $\alpha_{2,max}$ = 94.59 $\theta_{2,min}$ = 71.34

0-15.00	0.1600E-02	-7.5 TO 7.5	0.9990E-03	82.5- 97.5	0.9005E-03	0	0- 15	0.9375E-03	90-105	0.9375E-03
15-30.00	0.4692E-02	-7.5 TO 7.5	0.9704E-03	82.5- 97.5	0.7672E-03	15	0- 15	0.1009E-02	90-105	0.8469E-03
30-45.00	0.7464E-02	-7.5 TO 7.5	0.7996E-03	82.5- 97.5	0.5527E-03	30	0- 15	0.9121E-03	90-105	0.6499E-03
45-60.00	0.9727E-02	-7.5 TO 7.5	0.5341E-03	82.5- 97.5	0.3211E-03	45	0- 15	0.6804E-03	90-105	0.4155E-03
60-75.00	0.1133E-01	-7.5 TO 7.5	0.2499E-03	82.5- 97.5	0.1146E-03	60	0- 15	0.3918E-03	90-105	0.1972E-03
75-85.41	0.8399E-02	-7.5 TO 7.5	0.4412E-04	82.5- 97.5	0.2469E-05	75	0- 15	0.1175E-03	90-105	0.1803E-04
0-15.00	0.3201E-02	-7.5 TO 22.5	0.9972E-03	82.5-112.5	0.8886E-03	0	0- 30	0.1875E-02	90-120	0.1875E-02
15-30.00	0.9384E-02	-7.5 TO 22.5	0.9665E-03	82.5-112.5	0.7447E-03	15	0- 30	0.2007E-02	90-120	0.1661E-02
30-45.00	0.1493E-01	-7.5 TO 22.5	0.7946E-03	82.5-112.5	0.5276E-03	30	0- 30	0.1806E-02	90-120	0.1252E-02
45-60.00	0.1945E-01	-7.5 TO 22.5	0.5296E-03	82.5-112.5	0.3011E-03	45	0- 30	0.1341E-02	90-120	0.7875E-03
60-75.00	0.2266E-01	-7.5 TO 22.5	0.2468E-03	82.5-112.5	0.1032E-03	60	0- 30	0.7683E-03	90-120	0.3653E-03
75-85.41	0.1680E-01	-7.5 TO 22.5	0.4277E-04	82.5-112.5	0.1696E-05	75	0- 30	0.2264E-03	90-120	0.2407E-04
0-15.00	0.4801E-02	-7.5 TO 37.5	0.9932E-03	82.5-127.5	0.8776E-03	0	0- 45	0.2812E-02	90-135	0.2812E-02
15-30.00	0.1408E-01	-7.5 TO 37.5	0.9578E-03	82.5-127.5	0.7241E-03	15	0- 45	0.2985E-02	90-135	0.2447E-02
30-45.00	0.2239E-01	-7.5 TO 37.5	0.7834E-03	82.5-127.5	0.5050E-03	30	0- 45	0.2665E-02	90-135	0.1815E-02
45-60.00	0.2918E-01	-7.5 TO 37.5	0.5195E-03	82.5-127.5	0.2835E-03	45	0- 45	0.1965E-02	90-135	0.1124E-02
60-75.00	0.3398E-01	-7.5 TO 37.5	0.2401E-03	82.5-127.5	0.9352E-04	60	0- 45	0.1116E-02	90-135	0.5111E-03
75-85.41	0.2520E-01	-7.5 TO 37.5	0.3990E-04	82.5-127.5	0.1212E-05	75	0- 45	0.3197E-03	90-135	0.2562E-04
0-15.00	0.6401E-02	-7.5 TO 52.5	0.9871E-03	82.5-142.5	0.8676E-03	0	0- 60	0.3750E-02	90-150	0.3750E-02
15-30.00	0.1877E-01	-7.5 TO 52.5	0.9448E-03	82.5-142.5	0.7057E-03	15	0- 60	0.3935E-02	90-150	0.3211E-02
30-45.00	0.2986E-01	-7.5 TO 52.5	0.7670E-03	82.5-142.5	0.4853E-03	30	0- 60	0.3478E-02	90-150	0.2348E-02
45-60.00	0.3891E-01	-7.5 TO 52.5	0.5049E-03	82.5-142.5	0.2684E-03	45	0- 60	0.2541E-02	90-150	0.1435E-02
60-75.00	0.4531E-01	-7.5 TO 52.5	0.2304E-03	82.5-142.5	0.8556E-04	60	0- 60	0.1428E-02	90-150	0.6407E-03
75-85.41	0.3359E-01	-7.5 TO 52.5	0.3608E-04	82.5-142.5	0.9311E-06	75	0- 60	0.3934E-03	90-150	0.2646E-04
0-15.00	0.8002E-02	-7.5 TO 67.5	0.9794E-03	82.5-157.5	0.8589E-03	0	0- 75	0.4687E-02	90-165	0.4688E-02
15-30.00	0.2346E-01	-7.5 TO 67.5	0.9283E-03	82.5-157.5	0.6901E-03	15	0- 75	0.4853E-02	90-165	0.3960E-02
30-45.00	0.3732E-01	-7.5 TO 67.5	0.7466E-03	82.5-157.5	0.4687E-03	30	0- 75	0.4237E-02	90-165	0.2860E-02
45-60.00	0.4864E-01	-7.5 TO 67.5	0.4869E-03	82.5-157.5	0.2559E-03	45	0- 75	0.3062E-02	90-165	0.1729E-02
60-75.00	0.5664E-01	-7.5 TO 67.5	0.2186E-03	82.5-157.5	0.7912E-04	60	0- 75	0.1699E-02	90-165	0.7600E-03
75-85.41	0.4199E-01	-7.5 TO 67.5	0.3194E-04	82.5-157.5	0.7559E-06	75	0- 75	0.4464E-03	90-165	0.2706E-04
0-15.00	0.9602E-02	-7.5 TO 82.5	0.9703E-03	82.5-172.5	0.8517E-03	0	0- 90	0.5625E-02	90-180	0.5625E-02
15-30.00	0.2815E-01	-7.5 TO 82.5	0.9095E-03	82.5-172.5	0.6772E-03	15	0- 90	0.5735E-02	90-180	0.4701E-02
30-45.00	0.4478E-01	-7.5 TO 82.5	0.7235E-03	82.5-172.5	0.4553E-03	30	0- 90	0.4940E-02	90-180	0.3362E-02
45-60.00	0.5836E-01	-7.5 TO 82.5	0.4668E-03	82.5-172.5	0.2459E-03	45	0- 90	0.3528E-02	90-180	0.2014E-02
60-75.00	0.6797E-01	-7.5 TO 82.5	0.2058E-03	82.5-172.5	0.7404E-04	60	0- 90	0.1931E-02	90-180	0.8743E-03
75-85.41	0.5039E-01	-7.5 TO 82.5	0.2789E-04	82.5-172.5	0.6372E-06	75	0- 90	0.4803E-03	90-180	0.2758E-04
0-15.00	0.1120E-01	-7.5 TO 97.5	0.9603E-03	82.5-187.5	0.8462E-03	0	0-105	0.6562E-02	90-195	0.6562E-02
15-30.00	0.3284E-01	-7.5 TO 97.5	0.8891E-03	82.5-187.5	0.6674E-03	15	0-105	0.6582E-02	90-195	0.5442E-02
30-45.00	0.5225E-01	-7.5 TO 97.5	0.6991E-03	82.5-187.5	0.4450E-03	30	0-105	0.5590E-02	90-195	0.3864E-02
45-60.00	0.6809E-01	-7.5 TO 97.5	0.4460E-03	82.5-187.5	0.2383E-03	45	0-105	0.3943E-02	90-195	0.2299E-02
60-75.00	0.7929E-01	-7.5 TO 97.5	0.1928E-03	82.5-187.5	0.7020E-04	60	0-105	0.2129E-02	90-195	0.9886E-03
75-85.41	0.5879E-01	-7.5 TO 97.5	0.2426E-04	82.5-187.5	0.5519E-06	75	0-105	0.4983E-03	90-195	0.2809E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5457$ $\cosh \mu_2 = 5.7571$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 162.17$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7709E-03	-7.5 TO 7.5	0.3347E-04	82.5- 97.5	0.3310E-04	0	0- 15	0.3417E-04	90-105	0.3417E-04
15-30.00	0.2260E-02	-7.5 TO 7.5	0.2987E-04	82.5- 97.5	0.2910E-04	15	0- 15	0.3258E-04	90-105	0.3196E-04
30-45.00	0.3595E-02	-7.5 TO 7.5	0.2322E-04	82.5- 97.5	0.2226E-04	30	0- 15	0.2718E-04	90-105	0.2617E-04
45-60.00	0.4685E-02	-7.5 TO 7.5	0.1510E-04	82.5- 97.5	0.1420E-04	45	0- 15	0.1944E-04	90-105	0.1836E-04
60-75.00	0.5456E-02	-7.5 TO 7.5	0.6980E-05	82.5- 97.5	0.6315E-05	60	0- 15	0.1104E-04	90-105	0.1014E-04
75-86.72	0.4563E-02	-7.5 TO 7.5	0.9496E-06	82.5- 97.5	0.6845E-06	75	0- 15	0.3223E-05	90-105	0.2633E-05
0-15.00	0.1542E-02	-7.5 TO 22.5	0.3346E-04	82.5-112.5	0.3305E-04	0	0- 30	0.6834E-04	90-120	0.6834E-04
15-30.00	0.4520E-02	-7.5 TO 22.5	0.2985E-04	82.5-112.5	0.2900E-04	15	0- 30	0.6513E-04	90-120	0.6379E-04
30-45.00	0.7191E-02	-7.5 TO 22.5	0.2320E-04	82.5-112.5	0.2214E-04	30	0- 30	0.5430E-04	90-120	0.5212E-04
45-60.00	0.9371E-02	-7.5 TO 22.5	0.1508E-04	82.5-112.5	0.1409E-04	45	0- 30	0.3881E-04	90-120	0.3648E-04
60-75.00	0.1091E-01	-7.5 TO 22.5	0.6968E-05	82.5-112.5	0.6232E-05	60	0- 30	0.2202E-04	90-120	0.2009E-04
75-86.72	0.9125E-02	-7.5 TO 22.5	0.9449E-06	82.5-112.5	0.6535E-06	75	0- 30	0.6410E-05	90-120	0.5140E-05
0-15.00	0.2313E-02	-7.5 TO 37.5	0.3345E-04	82.5-127.5	0.3300E-04	0	0- 45	0.1025E-03	90-135	0.1025E-03
15-30.00	0.6780E-02	-7.5 TO 37.5	0.2982E-04	82.5-127.5	0.2891E-04	15	0- 45	0.9760E-04	90-135	0.9549E-04
30-45.00	0.1079E-01	-7.5 TO 37.5	0.2316E-04	82.5-127.5	0.2202E-04	30	0- 45	0.8130E-04	90-135	0.7787E-04
45-60.00	0.1406E-01	-7.5 TO 37.5	0.1505E-04	82.5-127.5	0.1398E-04	45	0- 45	0.5806E-04	90-135	0.5439E-04
60-75.00	0.1637E-01	-7.5 TO 37.5	0.6942E-05	82.5-127.5	0.6154E-05	60	0- 45	0.3290E-04	90-135	0.2987E-04
75-86.72	0.1369E-01	-7.5 TO 37.5	0.9343E-06	82.5-127.5	0.6273E-06	75	0- 45	0.9525E-05	90-135	0.7535E-05
0-15.00	0.3083E-02	-7.5 TO 52.5	0.3343E-04	82.5-142.5	0.3296E-04	0	0- 60	0.1367E-03	90-150	0.1367E-03
15-30.00	0.9040E-02	-7.5 TO 52.5	0.2978E-04	82.5-142.5	0.2882E-04	15	0- 60	0.1300E-03	90-150	0.1271E-03
30-45.00	0.1438E-01	-7.5 TO 52.5	0.2310E-04	82.5-142.5	0.2192E-04	30	0- 60	0.1081E-03	90-150	0.1035E-03
45-60.00	0.1874E-01	-7.5 TO 52.5	0.1499E-04	82.5-142.5	0.1389E-04	45	0- 60	0.7712E-04	90-150	0.7213E-04
60-75.00	0.2183E-01	-7.5 TO 52.5	0.6902E-05	82.5-142.5	0.6083E-05	60	0- 60	0.4363E-04	90-150	0.3950E-04
75-86.72	0.1825E-01	-7.5 TO 52.5	0.9182E-06	82.5-142.5	0.6047E-06	75	0- 60	0.1254E-04	90-150	0.9841E-05
0-15.00	0.3854E-02	-7.5 TO 67.5	0.3340E-04	82.5-157.5	0.3292E-04	0	0- 75	0.1709E-03	90-165	0.1709E-03
15-30.00	0.1130E-01	-7.5 TO 67.5	0.2972E-04	82.5-157.5	0.2875E-04	15	0- 75	0.1622E-03	90-165	0.1586E-03
30-45.00	0.1798E-01	-7.5 TO 67.5	0.2303E-04	82.5-157.5	0.2183E-04	30	0- 75	0.1348E-03	90-165	0.1289E-03
45-60.00	0.2343E-01	-7.5 TO 67.5	0.1492E-04	82.5-157.5	0.1380E-04	45	0- 75	0.9597E-04	90-165	0.8975E-04
60-75.00	0.2728E-01	-7.5 TO 67.5	0.6850E-05	82.5-157.5	0.6020E-05	60	0- 75	0.5417E-04	90-165	0.4904E-04
75-86.72	0.2281E-01	-7.5 TO 67.5	0.8974E-06	82.5-157.5	0.5856E-06	75	0- 75	0.1544E-04	90-165	0.1209E-04
0-15.00	0.4625E-02	-7.5 TO 82.5	0.3336E-04	82.5-172.5	0.3289E-04	0	0- 90	0.2050E-03	90-180	0.2050E-03
15-30.00	0.1356E-01	-7.5 TO 82.5	0.2965E-04	82.5-172.5	0.2869E-04	15	0- 90	0.1943E-03	90-180	0.1901E-03
30-45.00	0.2157E-01	-7.5 TO 82.5	0.2294E-04	82.5-172.5	0.2175E-04	30	0- 90	0.1612E-03	90-180	0.1543E-03
45-60.00	0.2811E-01	-7.5 TO 82.5	0.1484E-04	82.5-172.5	0.1373E-04	45	0- 90	0.1146E-03	90-180	0.1073E-03
60-75.00	0.3274E-01	-7.5 TO 82.5	0.6789E-05	82.5-172.5	0.5969E-05	60	0- 90	0.6452E-04	90-180	0.5853E-04
75-86.72	0.2738E-01	-7.5 TO 82.5	0.8731E-06	82.5-172.5	0.5699E-06	75	0- 90	0.1820E-04	90-180	0.1430E-04
0-15.00	0.5396E-02	-7.5 TO 97.5	0.3333E-04	82.5-187.5	0.3287E-04	0	0-105	0.2392E-03	90-195	0.2392E-03
15-30.00	0.1582E-01	-7.5 TO 97.5	0.2957E-04	82.5-187.5	0.2864E-04	15	0-105	0.2263E-03	90-195	0.2216E-03
30-45.00	0.2517E-01	-7.5 TO 97.5	0.2285E-04	82.5-187.5	0.2169E-04	30	0-105	0.1873E-03	90-195	0.1798E-03
45-60.00	0.3280E-01	-7.5 TO 97.5	0.1475E-04	82.5-187.5	0.1368E-04	45	0-105	0.1329E-03	90-195	0.1249E-03
60-75.00	0.3819E-01	-7.5 TO 97.5	0.6721E-05	82.5-187.5	0.5929E-05	60	0-105	0.7466E-04	90-195	0.6802E-04
75-86.72	0.3194E-01	-7.5 TO 97.5	0.8461E-06	82.5-187.5	0.5578E-06	75	0-105	0.2084E-04	90-195	0.1651E-04

$r_2/r_1 = 0.60$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5457$ $\cosh \mu_2 = 5.7571$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 144.58$

0-15.00	0.7709E-03	-7.5 TO 7.5	0.1233E-03	82.5- 97.5	0.1206E-03	0	0- 15	0.1245E-03	90-105	0.1245E-03
15-30.00	0.2260E-02	-7.5 TO 7.5	0.1117E-03	82.5- 97.5	0.1061E-03	15	0- 15	0.1207E-03	90-105	0.1162E-03
30-45.00	0.3595E-02	-7.5 TO 7.5	0.8823E-04	82.5- 97.5	0.8123E-04	30	0- 15	0.1024E-03	90-105	0.9503E-04
45-60.00	0.4685E-02	-7.5 TO 7.5	0.5847E-04	82.5- 97.5	0.5191E-04	45	0- 15	0.7451E-04	90-105	0.6660E-04
60-75.00	0.5456E-02	-7.5 TO 7.5	0.2803E-04	82.5- 97.5	0.2314E-04	60	0- 15	0.4332E-04	90-105	0.3675E-04
75-86.72	0.4563E-02	-7.5 TO 7.5	0.4363E-05	82.5- 97.5	0.2542E-05	75	0- 15	0.1378E-04	90-105	0.9468E-05
0-15.00	0.1542E-02	-7.5 TO 22.5	0.1233E-03	82.5-112.5	0.1202E-03	0	0- 30	0.2490E-03	90-120	0.2490E-03
15-30.00	0.4520E-02	-7.5 TO 22.5	0.1116E-03	82.5-112.5	0.1054E-03	15	0- 30	0.2411E-03	90-120	0.2315E-03
30-45.00	0.7191E-02	-7.5 TO 22.5	0.8811E-04	82.5-112.5	0.8036E-04	30	0- 30	0.2043E-03	90-120	0.1885E-03
45-60.00	0.9371E-02	-7.5 TO 22.5	0.5835E-04	82.5-112.5	0.5111E-04	45	0- 30	0.1485E-03	90-120	0.1315E-03
60-75.00	0.1091E-01	-7.5 TO 22.5	0.2794E-04	82.5-112.5	0.2256E-04	60	0- 30	0.8623E-04	90-120	0.7213E-04
75-86.72	0.9125E-02	-7.5 TO 22.5	0.4387E-05	82.5-112.5	0.2338E-05	75	0- 30	0.2728E-04	90-120	0.1806E-04
0-15.00	0.2313E-02	-7.5 TO 37.5	0.1232E-03	82.5-127.5	0.1199E-03	0	0- 45	0.3734E-03	90-135	0.3734E-03
15-30.00	0.6780E-02	-7.5 TO 37.5	0.1113E-03	82.5-127.5	0.1047E-03	15	0- 45	0.3610E-03	90-135	0.3458E-03
30-45.00	0.1079E-01	-7.5 TO 37.5	0.8783E-04	82.5-127.5	0.7954E-04	30	0- 45	0.3054E-03	90-135	0.2805E-03
45-60.00	0.1406E-01	-7.5 TO 37.5	0.5809E-04	82.5-127.5	0.5035E-04	45	0- 45	0.2216E-03	90-135	0.1949E-03
60-75.00	0.1637E-01	-7.5 TO 37.5	0.2774E-04	82.5-127.5	0.2201E-04	60	0- 45	0.1283E-03	90-135	0.1063E-03
75-86.72	0.1369E-01	-7.5 TO 37.5	0.4327E-05	82.5-127.5	0.2167E-05	75	0- 45	0.4025E-04	90-135	0.2589E-04
0-15.00	0.3083E-02	-7.5 TO 52.5	0.1230E-03	82.5-142.5	0.1196E-03	0	0- 60	0.4979E-03	90-150	0.4979E-03
15-30.00	0.9040E-02	-7.5 TO 52.5	0.1110E-03	82.5-142.5	0.1041E-03	15	0- 60	0.4802E-03	90-150	0.4594E-03
30-45.00	0.1438E-01	-7.5 TO 52.5	0.8740E-04	82.5-142.5	0.7879E-04	30	0- 60	0.4052E-03	90-150	0.3714E-03
45-60.00	0.1874E-01	-7.5 TO 52.5	0.5769E-04	82.5-142.5	0.4967E-04	45	0- 60	0.2933E-03	90-150	0.2572E-03
60-75.00	0.2183E-01	-7.5 TO 52.5	0.2744E-04	82.5-142.5	0.2151E-04	60	0- 60	0.1693E-03	90-150	0.1395E-03
75-86.72	0.1825E-01	-7.5 TO 52.5	0.4216E-05	82.5-142.5	0.2019E-05	75	0- 60	0.5248E-04	90-150	0.3312E-04
0-15.00	0.3854E-02	-7.5 TO 67.5	0.1228E-03	82.5-157.5	0.1193E-03	0	0- 75	0.6224E-03	90-165	0.6224E-03
15-30.00	0.1130E-01	-7.5 TO 67.5	0.1106E-03	82.5-157.5	0.1036E-03	15	0- 75	0.5985E-03	90-165	0.5726E-03
30-45.00	0.1798E-01	-7.5 TO 67.5	0.8686E-04	82.5-157.5	0.7814E-04	30	0- 75	0.5036E-03	90-165	0.4614E-03
45-60.00	0.2343E-01	-7.5 TO 67.5	0.5717E-04	82.5-157.5	0.4907E-04	45	0- 75	0.3635E-03	90-165	0.3186E-03
60-75.00	0.2728E-01	-7.5 TO 67.5	0.2705E-04	82.5-157.5	0.2108E-04	60	0- 75	0.2090E-03	90-165	0.1721E-03
75-86.72	0.2281E-01	-7.5 TO 67.5	0.4068E-05	82.5-157.5	0.1893E-05	75	0- 75	0.6383E-04	90-165	0.3994E-04
0-15.00	0.4625E-02	-7.5 TO 82.5	0.1225E-03	82.5-172.5	0.1191E-03	0	0- 90	0.7469E-03	90-180	0.7469E-03
15-30.00	0.1356E-01	-7.5 TO 82.5	0.1101E-03	82.5-172.5	0.1031E-03	15	0- 90	0.7157E-03	90-180	0.6854E-03
30-45.00	0.2157E-01	-7.5 TO 82.5	0.8622E-04	82.5-172.5	0.7759E-04	30	0- 90	0.6003E-03	90-180	0.5511E-03
45-60.00	0.2811E-01	-7.5 TO 82.5	0.5657E-04	82.5-172.5	0.4858E-04	45	0- 90	0.4319E-03	90-180	0.3795E-03
60-75.00	0.3274E-01	-7.5 TO 82.5	0.2660E-04	82.5-172.5	0.2073E-04	60	0- 90	0.2472E-03	90-180	0.2043E-03
75-86.72	0.2738E-01	-7.5 TO 82.5	0.3892E-05	82.5-172.5	0.1789E-05	75	0- 90	0.7424E-04	90-180	0.4654E-04
0-15.00	0.5396E-02	-7.5 TO 97.5	0.1223E-03	82.5-187.5	0.1189E-03	0	0-105	0.8714E-03	90-195	0.8714E-03
15-30.00	0.1582E-01	-7.5 TO 97.5	0.1095E-03	82.5-187.5	0.1028E-03	15	0-105	0.8319E-03	90-195	0.7983E-03
30-45.00	0.2517E-01	-7.5 TO 97.5	0.8550E-04	82.5-187.5	0.7718E-04	30	0-105	0.6953E-03	90-195	0.6408E-03
45-60.00	0.3280E-01	-7.5 TO 97.5	0.5590E-04	82.5-187.5	0.4819E-04	45	0-105	0.4985E-03	90-195	0.4405E-03
60-75.00	0.3819E-01	-7.5 TO 97.5	0.2611E-04	82.5-187.5	0.2045E-04	60	0-105	0.2840E-03	90-195	0.2365E-03
75-86.72	0.3194E-01	-7.5 TO 97.5	0.3700E-05	82.5-187.5	0.1710E-05	75	0-105	0.8371E-04	90-195	0.5315E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5457$ $\cosh \mu_2 = 5.7571$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 127.45$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7709E-03	-7.5 TO 7.5	0.2402E-03	82.5- 97.5	0.2324E-03	0	0- 15	0.2399E-03	90-105	0.2399E-03
15-30.00	0.2260E-02	-7.5 TO 7.5	0.2207E-03	82.5- 97.5	0.2046E-03	15	0- 15	0.2364E-03	90-105	0.2236E-03
30-45.00	0.3595E-02	-7.5 TO 7.5	0.1772E-03	82.5- 97.5	0.1569E-03	30	0- 15	0.2039E-03	90-105	0.1826E-03
45-60.00	0.4665E-02	-7.5 TO 7.5	0.1195E-03	82.5- 97.5	0.1005E-03	45	0- 15	0.1508E-03	90-105	0.1280E-03
60-75.00	0.5456E-02	-7.5 TO 7.5	0.5904E-04	82.5- 97.5	0.4498E-04	60	0- 15	0.8956E-04	90-105	0.7063E-04
75-86.72	0.4563E-02	-7.5 TO 7.5	0.1094E-04	82.5- 97.5	0.5035E-05	75	0- 15	0.3042E-04	90-105	0.1815E-04
0-15.00	0.1542E-02	-7.5 TO 22.5	0.2401E-03	82.5-112.5	0.2314E-03	0	0- 30	0.4797E-03	90-120	0.4797E-03
15-30.00	0.4520E-02	-7.5 TO 22.5	0.2204E-03	82.5-112.5	0.2026E-03	15	0- 30	0.4721E-03	90-120	0.4443E-03
30-45.00	0.7191E-02	-7.5 TO 22.5	0.1768E-03	82.5-112.5	0.1544E-03	30	0- 30	0.4064E-03	90-120	0.3607E-03
45-60.00	0.9371E-02	-7.5 TO 22.5	0.1191E-03	82.5-112.5	0.9823E-04	45	0- 30	0.3002E-03	90-120	0.2512E-03
60-75.00	0.1091E-01	-7.5 TO 22.5	0.5878E-04	82.5-112.5	0.4335E-04	60	0- 30	0.1779E-03	90-120	0.1374E-03
75-86.72	0.9125E-02	-7.5 TO 22.5	0.1080E-04	82.5-112.5	0.4490E-05	75	0- 30	0.6002E-04	90-120	0.3392E-04
0-15.00	0.2313E-02	-7.5 TO 37.5	0.2398E-03	82.5-127.5	0.2304E-03	0	0- 45	0.7196E-03	90-135	0.7196E-03
15-30.00	0.6780E-02	-7.5 TO 37.5	0.2198E-03	82.5-127.5	0.2007E-03	15	0- 45	0.7062E-03	90-135	0.6625E-03
30-45.00	0.1079E-01	-7.5 TO 37.5	0.1760E-03	82.5-127.5	0.1521E-03	30	0- 45	0.6064E-03	90-135	0.5348E-03
45-60.00	0.1406E-01	-7.5 TO 37.5	0.1184E-03	82.5-127.5	0.9612E-04	45	0- 45	0.4468E-03	90-135	0.3702E-03
60-75.00	0.1637E-01	-7.5 TO 37.5	0.5820E-04	82.5-127.5	0.4184E-04	60	0- 45	0.2639E-03	90-135	0.2009E-03
75-86.72	0.1369E-01	-7.5 TO 37.5	0.1050E-04	82.5-127.5	0.4037E-05	75	0- 45	0.8807E-04	90-135	0.4767E-04
0-15.00	0.3083E-02	-7.5 TO 52.5	0.2393E-03	82.5-142.5	0.2296E-03	0	0- 60	0.9594E-03	90-150	0.9594E-03
15-30.00	0.9040E-02	-7.5 TO 52.5	0.2188E-03	82.5-142.5	0.1990E-03	15	0- 60	0.9382E-03	90-150	0.8787E-03
30-45.00	0.1438E-01	-7.5 TO 52.5	0.1747E-03	82.5-142.5	0.1500E-03	30	0- 60	0.8028E-03	90-150	0.7057E-03
45-60.00	0.1874E-01	-7.5 TO 52.5	0.1172E-03	82.5-142.5	0.9421E-04	45	0- 60	0.5895E-03	90-150	0.4860E-03
60-75.00	0.2183E-01	-7.5 TO 52.5	0.5732E-04	82.5-142.5	0.4049E-04	60	0- 60	0.3466E-03	90-150	0.2618E-03
75-86.72	0.1825E-01	-7.5 TO 52.5	0.1008E-04	82.5-142.5	0.3647E-05	75	0- 60	0.1140E-03	90-150	0.5986E-04
0-15.00	0.3854E-02	-7.5 TO 67.5	0.2387E-03	82.5-157.5	0.2288E-03	0	0- 75	0.1199E-02	90-165	0.1199E-02
15-30.00	0.1130E-01	-7.5 TO 67.5	0.2175E-03	82.5-157.5	0.1975E-03	15	0- 75	0.1168E-02	90-165	0.1093E-02
30-45.00	0.1798E-01	-7.5 TO 67.5	0.1732E-03	82.5-157.5	0.1482E-03	30	0- 75	0.9950E-03	90-165	0.8744E-03
45-60.00	0.2343E-01	-7.5 TO 67.5	0.1157E-03	82.5-157.5	0.9255E-04	45	0- 75	0.7276E-03	90-165	0.5994E-03
60-75.00	0.2728E-01	-7.5 TO 67.5	0.5619E-04	82.5-157.5	0.3932E-04	60	0- 75	0.4255E-03	90-165	0.3209E-03
75-86.72	0.2281E-01	-7.5 TO 67.5	0.9595E-05	82.5-157.5	0.3318E-05	75	0- 75	0.1374E-03	90-165	0.7099E-04
0-15.00	0.4625E-02	-7.5 TO 82.5	0.2380E-03	82.5-172.5	0.2282E-03	0	0- 90	0.1439E-02	90-180	0.1439E-02
15-30.00	0.1356E-01	-7.5 TO 82.5	0.2161E-03	82.5-172.5	0.1962E-03	15	0- 90	0.1394E-02	90-180	0.1307E-02
30-45.00	0.2157E-01	-7.5 TO 82.5	0.1713E-03	82.5-172.5	0.1467E-03	30	0- 90	0.1182E-02	90-180	0.1042E-02
45-60.00	0.2811E-01	-7.5 TO 82.5	0.1139E-03	82.5-172.5	0.9118E-04	45	0- 90	0.8607E-03	90-180	0.7117E-03
60-75.00	0.3274E-01	-7.5 TO 82.5	0.5489E-04	82.5-172.5	0.3837E-04	60	0- 90	0.5003E-03	90-180	0.3790E-03
75-86.72	0.2738E-01	-7.5 TO 82.5	0.9053E-05	82.5-172.5	0.3052E-05	75	0- 90	0.1581E-03	90-180	0.8157E-04
0-15.00	0.5396E-02	-7.5 TO 97.5	0.2372E-03	82.5-187.5	0.2277E-03	0	0-105	0.1679E-02	90-195	0.1679E-02
15-30.00	0.1582E-01	-7.5 TO 97.5	0.2144E-03	82.5-187.5	0.1952E-03	15	0-105	0.1618E-02	90-195	0.1521E-02
30-45.00	0.2517E-01	-7.5 TO 97.5	0.1692E-03	82.5-187.5	0.1455E-03	30	0-105	0.1365E-02	90-195	0.1209E-02
45-60.00	0.3280E-01	-7.5 TO 97.5	0.1120E-03	82.5-187.5	0.9013E-04	45	0-105	0.9886E-03	90-195	0.8239E-03
60-75.00	0.3819E-01	-7.5 TO 97.5	0.5348E-04	82.5-187.5	0.3763E-04	60	0-105	0.5709E-03	90-195	0.4372E-03
75-86.72	0.3194E-01	-7.5 TO 97.5	0.8479E-05	82.5-187.5	0.2849E-05	75	0-105	0.1763E-03	90-195	0.9216E-04

$r_2/r_1 = 0.60$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5457$ $\cosh \mu_2 = 5.7571$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 110.94$

0-15.00	0.7709E-03	-7.5 TO 7.5	0.3477E-03	82.5- 97.5	0.3328E-03	0	0- 15	0.3434E-03	90-105	0.3434E-03
15-30.00	0.2260E-02	-7.5 TO 7.5	0.3241E-03	82.5- 97.5	0.2933E-03	15	0- 15	0.3441E-03	90-105	0.3195E-03
30-45.00	0.3595E-02	-7.5 TO 7.5	0.2641E-03	82.5- 97.5	0.2253E-03	30	0- 15	0.3015E-03	90-105	0.2609E-03
45-60.00	0.4685E-02	-7.5 TO 7.5	0.1810E-03	82.5- 97.5	0.1447E-03	45	0- 15	0.2266E-03	90-105	0.1828E-03
60-75.00	0.5456E-02	-7.5 TO 7.5	0.9160E-04	82.5- 97.5	0.6503E-04	60	0- 15	0.1370E-03	90-105	0.1010E-03
75-86.72	0.4563E-02	-7.5 TO 7.5	0.1897E-04	82.5- 97.5	0.7425E-05	75	0- 15	0.4877E-04	90-105	0.2599E-04
0-15.00	0.1542E-02	-7.5 TO 22.5	0.3475E-03	82.5-112.5	0.3309E-03	0	0- 30	0.6868E-03	90-120	0.6868E-03
15-30.00	0.4520E-02	-7.5 TO 22.5	0.3235E-03	82.5-112.5	0.2895E-03	15	0- 30	0.6868E-03	90-120	0.6337E-03
30-45.00	0.7191E-02	-7.5 TO 22.5	0.2634E-03	82.5-112.5	0.2206E-03	30	0- 30	0.6004E-03	90-120	0.5132E-03
45-60.00	0.9371E-02	-7.5 TO 22.5	0.1803E-03	82.5-112.5	0.1404E-03	45	0- 30	0.4503E-03	90-120	0.3568E-03
60-75.00	0.1091E-01	-7.5 TO 22.5	0.9110E-04	82.5-112.5	0.6206E-04	60	0- 30	0.2715E-03	90-120	0.1950E-03
75-86.72	0.9125E-02	-7.5 TO 22.5	0.1870E-04	82.5-112.5	0.6469E-05	75	0- 30	0.9597E-04	90-120	0.4780E-04
0-15.00	0.2313E-02	-7.5 TO 37.5	0.3469E-03	82.5-127.5	0.3291E-03	0	0- 45	0.1030E-02	90-135	0.1030E-02
15-30.00	0.6780E-02	-7.5 TO 37.5	0.3223E-03	82.5-127.5	0.2859E-03	15	0- 45	0.1026E-02	90-135	0.9431E-03
30-45.00	0.1079E-01	-7.5 TO 37.5	0.2618E-03	82.5-127.5	0.2163E-03	30	0- 45	0.8945E-03	90-135	0.7580E-03
45-60.00	0.1406E-01	-7.5 TO 37.5	0.1788E-03	82.5-127.5	0.1365E-03	45	0- 45	0.6686E-03	90-135	0.5230E-03
60-75.00	0.1637E-01	-7.5 TO 37.5	0.8996E-04	82.5-127.5	0.5934E-04	60	0- 45	0.4016E-03	90-135	0.2829E-03
75-86.72	0.1369E-01	-7.5 TO 37.5	0.1809E-04	82.5-127.5	0.5685E-05	75	0- 45	0.1402E-03	90-135	0.6614E-04
0-15.00	0.3083E-02	-7.5 TO 52.5	0.3460E-03	82.5-142.5	0.3275E-03	0	0- 60	0.1374E-02	90-150	0.1374E-02
15-30.00	0.9040E-02	-7.5 TO 52.5	0.3204E-03	82.5-142.5	0.2826E-03	15	0- 60	0.1362E-02	90-150	0.1249E-02
30-45.00	0.1438E-01	-7.5 TO 52.5	0.2594E-03	82.5-142.5	0.2123E-03	30	0- 60	0.1182E-02	90-150	0.9968E-03
45-60.00	0.1874E-01	-7.5 TO 52.5	0.1765E-03	82.5-142.5	0.1330E-03	45	0- 60	0.8795E-03	90-150	0.6831E-03
60-75.00	0.2183E-01	-7.5 TO 52.5	0.8827E-04	82.5-142.5	0.5692E-04	60	0- 60	0.5254E-03	90-150	0.3662E-03
75-86.72	0.1825E-01	-7.5 TO 52.5	0.1722E-04	82.5-142.5	0.5020E-05	75	0- 60	0.1804E-03	90-150	0.8184E-04
0-15.00	0.3854E-02	-7.5 TO 67.5	0.3448E-03	82.5-157.5	0.3260E-03	0	0- 75	0.1717E-02	90-165	0.1717E-02
15-30.00	0.1130E-01	-7.5 TO 67.5	0.3180E-03	82.5-157.5	0.2798E-03	15	0- 75	0.1693E-02	90-165	0.1552E-02
30-45.00	0.1798E-01	-7.5 TO 67.5	0.2566E-03	82.5-157.5	0.2089E-03	30	0- 75	0.1461E-02	90-165	0.1231E-02
45-60.00	0.2343E-01	-7.5 TO 67.5	0.1736E-03	82.5-157.5	0.1299E-03	45	0- 75	0.1081E-02	90-165	0.8389E-03
60-75.00	0.2728E-01	-7.5 TO 67.5	0.8613E-04	82.5-157.5	0.5486E-04	60	0- 75	0.6419E-03	90-165	0.4462E-03
75-86.72	0.2281E-01	-7.5 TO 67.5	0.1621E-04	82.5-157.5	0.4473E-05	75	0- 75	0.2159E-03	90-165	0.9578E-04
0-15.00	0.4625E-02	-7.5 TO 82.5	0.3435E-03	82.5-172.5	0.3248E-03	0	0- 90	0.2060E-02	90-180	0.2060E-02
15-30.00	0.1356E-01	-7.5 TO 82.5	0.3152E-03	82.5-172.5	0.2774E-03	15	0- 90	0.2018E-02	90-180	0.1853E-02
30-45.00	0.2157E-01	-7.5 TO 82.5	0.2528E-03	82.5-172.5	0.2061E-03	30	0- 90	0.1731E-02	90-180	0.1464E-02
45-60.00	0.2811E-01	-7.5 TO 82.5	0.1703E-03	82.5-172.5	0.1274E-03	45	0- 90	0.1274E-02	90-180	0.9926E-03
60-75.00	0.3274E-01	-7.5 TO 82.5	0.8367E-04	82.5-172.5	0.5317E-04	60	0- 90	0.7506E-03	90-180	0.5246E-03
75-86.72	0.2738E-01	-7.5 TO 82.5	0.1513E-04	82.5-172.5	0.4048E-05	75	0- 90	0.2466E-03	90-180	0.1088E-03
0-15.00	0.5396E-02	-7.5 TO 97.5	0.3419E-03	82.5-187.5	0.3239E-03	0	0-105	0.2404E-02	90-195	0.2404E-02
15-30.00	0.1582E-01	-7.5 TO 97.5	0.3121E-03	82.5-187.5	0.2756E-03	15	0-105	0.2337E-02	90-195	0.2155E-02
30-45.00	0.2517E-01	-7.5 TO 97.5	0.2489E-03	82.5-187.5	0.2039E-03	30	0-105	0.1991E-02	90-195	0.1696E-02
45-60.00	0.3280E-01	-7.5 TO 97.5	0.1666E-03	82.5-187.5	0.1255E-03	45	0-105	0.1457E-02	90-195	0.1146E-02
60-75.00	0.3819E-01	-7.5 TO 97.5	0.8100E-04	82.5-187.5	0.5187E-04	60	0-105	0.8516E-03	90-195	0.6030E-03
75-86.72	0.3194E-01	-7.5 TO 97.5	0.1403E-04	82.5-187.5	0.3731E-05	75	0-105	0.2726E-03	90-195	0.1219E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

r_2/r_1 = 0.60 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5457 $\cosh \mu_2$ = 5.7571 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 95.11

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7709E-03	-7.5 TO 7.5	0.4157E-03	82.5- 97.5	0.3932E-03	0	0- 15	0.4057E-03	90-105	0.4057E-03
15-30.00	0.2260E-02	-7.5 TO 7.5	0.3932E-03	82.5- 97.5	0.3469E-03	15	0- 15	0.4138E-03	90-105	0.3768E-03
30-45.00	0.3565E-02	-7.5 TO 7.5	0.3252E-03	82.5- 97.5	0.2669E-03	30	0- 15	0.3684E-03	90-105	0.3073E-03
45-60.00	0.4685E-02	-7.5 TO 7.5	0.2260E-03	82.5- 97.5	0.1718E-03	45	0- 15	0.2809E-03	90-105	0.2154E-03
60-75.00	0.5456E-02	-7.5 TO 7.5	0.1446E-03	82.5- 97.5	0.7752E-04	60	0- 15	0.1723E-03	90-105	0.1192E-03
75-86.72	0.4563E-02	-7.5 TO 7.5	0.2577E-04	82.5- 97.5	0.8991E-05	75	0- 15	0.6327E-04	90-105	0.3076E-04
0-15.00	0.1542E-02	-7.5 TO 22.5	0.4153E-03	82.5-112.5	0.3904E-03	0	0- 30	0.8114E-03	90-120	0.8114E-03
15-30.00	0.4520E-02	-7.5 TO 22.5	0.3924E-03	82.5-112.5	0.3412E-03	15	0- 30	0.8252E-03	90-120	0.7456E-03
30-45.00	0.7151E-02	-7.5 TO 22.5	0.3242E-03	82.5-112.5	0.2600E-03	30	0- 30	0.7330E-03	90-120	0.6020E-03
45-60.00	0.9271E-02	-7.5 TO 22.5	0.2250E-03	82.5-112.5	0.1656E-03	45	0- 30	0.5576E-03	90-120	0.4178E-03
60-75.00	0.1091E-01	-7.5 TO 22.5	0.1157E-03	82.5-112.5	0.7333E-04	60	0- 30	0.3411E-03	90-120	0.2282E-03
75-86.72	0.9125E-02	-7.5 TO 22.5	0.2537E-04	82.5-112.5	0.7712E-05	75	0- 30	0.1242E-03	90-120	0.5591E-04
0-15.00	0.2313E-02	-7.5 TO 37.5	0.4144E-03	82.5-127.5	0.3877E-03	0	0- 45	0.1217E-02	90-135	0.1217E-02
15-30.00	0.6780E-02	-7.5 TO 37.5	0.3905E-03	82.5-127.5	0.3358E-03	15	0- 45	0.1232E-02	90-135	0.1107E-02
30-45.00	0.1079E-01	-7.5 TO 37.5	0.3218E-03	82.5-127.5	0.2535E-03	30	0- 45	0.1090E-02	90-135	0.8855E-03
45-60.00	0.1406E-01	-7.5 TO 37.5	0.2227E-03	82.5-127.5	0.1599E-03	45	0- 45	0.8260E-03	90-135	0.6089E-03
60-75.00	0.1637E-01	-7.5 TO 37.5	0.1140E-03	82.5-127.5	0.6952E-04	60	0- 45	0.5030E-03	90-135	0.3287E-03
75-86.72	0.1369E-01	-7.5 TO 37.5	0.2447E-04	82.5-127.5	0.6682E-05	75	0- 45	0.1808E-03	90-135	0.7652E-04
0-15.00	0.3083E-02	-7.5 TO 52.5	0.4131E-03	82.5-142.5	0.3853E-03	0	0- 60	0.1623E-02	90-150	0.1623E-02
15-30.00	0.9040E-02	-7.5 TO 52.5	0.3877E-03	82.5-142.5	0.3310E-03	15	0- 60	0.1633E-02	90-150	0.1463E-02
30-45.00	0.1438E-01	-7.5 TO 52.5	0.3182E-03	82.5-142.5	0.2477E-03	30	0- 60	0.1437E-02	90-150	0.1160E-02
45-60.00	0.1874E-01	-7.5 TO 52.5	0.2193E-03	82.5-142.5	0.1548E-03	45	0- 60	0.1083E-02	90-150	0.7911E-03
60-75.00	0.2183E-01	-7.5 TO 52.5	0.1115E-03	82.5-142.5	0.6618E-04	60	0- 60	0.6557E-03	90-150	0.4227E-03
75-86.72	0.1825E-01	-7.5 TO 52.5	0.2317E-04	82.5-142.5	0.5824E-05	75	0- 60	0.2316E-03	90-150	0.9375E-04
0-15.00	0.3854E-02	-7.5 TO 67.5	0.4113E-03	82.5-157.5	0.3831E-03	0	0- 75	0.2028E-02	90-165	0.2028E-02
15-30.00	0.1130E-01	-7.5 TO 67.5	0.3840E-03	82.5-157.5	0.3268E-03	15	0- 75	0.2027E-02	90-165	0.1815E-02
30-45.00	0.1758E-01	-7.5 TO 67.5	0.3135E-03	82.5-157.5	0.2427E-03	30	0- 75	0.1771E-02	90-165	0.1429E-02
45-60.00	0.2343E-01	-7.5 TO 67.5	0.2149E-03	82.5-157.5	0.1504E-03	45	0- 75	0.1327E-02	90-165	0.9672E-03
60-75.00	0.2728E-01	-7.5 TO 67.5	0.1083E-03	82.5-157.5	0.6334E-04	60	0- 75	0.7975E-03	90-165	0.5121E-03
75-86.72	0.2281E-01	-7.5 TO 67.5	0.2166E-04	82.5-157.5	0.5137E-05	75	0- 75	0.2756E-03	90-165	0.1088E-03
0-15.00	0.4625E-02	-7.5 TO 82.5	0.4093E-03	82.5-172.5	0.3813E-03	0	0- 90	0.2434E-02	90-180	0.2434E-02
15-30.00	0.1356E-01	-7.5 TO 82.5	0.3798E-03	82.5-172.5	0.3233E-03	15	0- 90	0.2412E-02	90-180	0.2165E-02
30-45.00	0.2157E-01	-7.5 TO 82.5	0.3082E-03	82.5-172.5	0.2385E-03	30	0- 90	0.2092E-02	90-180	0.1694E-02
45-60.00	0.2811E-01	-7.5 TO 82.5	0.2099E-03	82.5-172.5	0.1468E-03	45	0- 90	0.1557E-02	90-180	0.1140E-02
60-75.00	0.3274E-01	-7.5 TO 82.5	0.1047E-03	82.5-172.5	0.6103E-04	60	0- 90	0.9278E-03	90-180	0.5993E-03
75-86.72	0.2738E-01	-7.5 TO 82.5	0.2008E-04	82.5-172.5	0.4614E-05	75	0- 90	0.3128E-03	90-180	0.1227E-03
0-15.00	0.5396E-02	-7.5 TO 97.5	0.4070E-03	82.5-187.5	0.3800E-03	0	0-105	0.2840E-02	90-195	0.2840E-02
15-30.00	0.1582E-01	-7.5 TO 97.5	0.3751E-03	82.5-187.5	0.3206E-03	15	0-105	0.2789E-02	90-195	0.2515E-02
30-45.00	0.2517E-01	-7.5 TO 97.5	0.3023E-03	82.5-187.5	0.2354E-03	30	0-105	0.2399E-02	90-195	0.1959E-02
45-60.00	0.3280E-01	-7.5 TO 97.5	0.2045E-03	82.5-187.5	0.1441E-03	45	0-105	0.1772E-02	90-195	0.1313E-02
60-75.00	0.3819E-01	-7.5 TO 97.5	0.1008E-03	82.5-187.5	0.5927E-04	60	0-105	0.1047E-02	90-195	0.6866E-03
75-86.72	0.3194E-01	-7.5 TO 97.5	0.1850E-04	82.5-187.5	0.4226E-05	75	0-105	0.3436E-03	90-195	0.1367E-03

r_2/r_1 = 0.60 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5457 $\cosh \mu_2$ = 5.7571 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 80.00

0-15.00	0.7709E-03	-7.5 TO 7.5	0.4309E-03	82.5- 97.5	0.4039E-03	0	0- 15	0.4167E-03	90-105	0.4167E-03
15-30.00	0.2260E-02	-7.5 TO 7.5	0.4130E-03	82.5- 97.5	0.3564E-03	15	0- 15	0.4310E-03	90-105	0.3864E-03
30-45.00	0.3565E-02	-7.5 TO 7.5	0.3466E-03	82.5- 97.5	0.2745E-03	30	0- 15	0.3897E-03	90-105	0.3149E-03
45-60.00	0.4685E-02	-7.5 TO 7.5	0.2440E-03	82.5- 97.5	0.1769E-03	45	0- 15	0.3014E-03	90-105	0.2207E-03
60-75.00	0.5456E-02	-7.5 TO 7.5	0.1272E-03	82.5- 97.5	0.7997E-04	60	0- 15	0.1871E-03	90-105	0.1221E-03
75-86.72	0.4563E-02	-7.5 TO 7.5	0.2895E-04	82.5- 97.5	0.9320E-05	75	0- 15	0.6977E-04	90-105	0.3158E-04
0-15.00	0.1542E-02	-7.5 TO 22.5	0.4304E-03	82.5-112.5	0.4006E-03	0	0- 30	0.8333E-03	90-120	0.8333E-03
15-30.00	0.4520E-02	-7.5 TO 22.5	0.4120E-03	82.5-112.5	0.3498E-03	15	0- 30	0.8591E-03	90-120	0.7635E-03
30-45.00	0.7151E-02	-7.5 TO 22.5	0.3453E-03	82.5-112.5	0.2665E-03	30	0- 30	0.7744E-03	90-120	0.6151E-03
45-60.00	0.9271E-02	-7.5 TO 22.5	0.2427E-03	82.5-112.5	0.1698E-03	45	0- 30	0.5973E-03	90-120	0.4264E-03
60-75.00	0.1091E-01	-7.5 TO 22.5	0.1262E-03	82.5-112.5	0.7525E-04	60	0- 30	0.3697E-03	90-120	0.2329E-03
75-86.72	0.9125E-02	-7.5 TO 22.5	0.2846E-04	82.5-112.5	0.7945E-05	75	0- 30	0.1367E-03	90-120	0.5710E-04
0-15.00	0.2313E-02	-7.5 TO 37.5	0.4293E-03	82.5-127.5	0.3974E-03	0	0- 45	0.1250E-02	90-135	0.1250E-02
15-30.00	0.6780E-02	-7.5 TO 37.5	0.4096E-03	82.5-127.5	0.3436E-03	15	0- 45	0.1282E-02	90-135	0.1132E-02
30-45.00	0.1079E-01	-7.5 TO 37.5	0.3422E-03	82.5-127.5	0.2591E-03	30	0- 45	0.1150E-02	90-135	0.9027E-03
45-60.00	0.1406E-01	-7.5 TO 37.5	0.2397E-03	82.5-127.5	0.1633E-03	45	0- 45	0.8827E-03	90-135	0.6196E-03
60-75.00	0.1637E-01	-7.5 TO 37.5	0.1241E-03	82.5-127.5	0.7105E-04	60	0- 45	0.5436E-03	90-135	0.3343E-03
75-86.72	0.1365E-01	-7.5 TO 37.5	0.2737E-04	82.5-127.5	0.6853E-05	75	0- 45	0.1983E-03	90-135	0.7787E-04
0-15.00	0.3083E-02	-7.5 TO 52.5	0.4277E-03	82.5-142.5	0.3946E-03	0	0- 60	0.1667E-02	90-150	0.1667E-02
15-30.00	0.9040E-02	-7.5 TO 52.5	0.4061E-03	82.5-142.5	0.3380E-03	15	0- 60	0.1697E-02	90-150	0.1495E-02
30-45.00	0.1438E-01	-7.5 TO 52.5	0.3376E-03	82.5-142.5	0.2525E-03	30	0- 60	0.1512E-02	90-150	0.1180E-02
45-60.00	0.1874E-01	-7.5 TO 52.5	0.2354E-03	82.5-142.5	0.1576E-03	45	0- 60	0.1154E-02	90-150	0.8031E-03
60-75.00	0.2183E-01	-7.5 TO 52.5	0.1209E-03	82.5-142.5	0.6741E-04	60	0- 60	0.7058E-03	90-150	0.4287E-03
75-86.72	0.1825E-01	-7.5 TO 52.5	0.2582E-04	82.5-142.5	0.5955E-05	75	0- 60	0.2528E-03	90-150	0.9516E-04
0-15.00	0.3854E-02	-7.5 TO 67.5	0.4256E-03	82.5-157.5	0.3921E-03	0	0- 75	0.2083E-02	90-165	0.2083E-02
15-30.00	0.1130E-01	-7.5 TO 67.5	0.4016E-03	82.5-157.5	0.3332E-03	15	0- 75	0.2103E-02	90-165	0.1852E-02
30-45.00	0.1758E-01	-7.5 TO 67.5	0.3318E-03	82.5-157.5	0.2468E-03	30	0- 75	0.1859E-02	90-165	0.1451E-02
45-60.00	0.2343E-01	-7.5 TO 67.5	0.2299E-03	82.5-157.5	0.1528E-03	45	0- 75	0.1409E-02	90-165	0.9800E-03
60-75.00	0.2728E-01	-7.5 TO 67.5	0.1170E-03	82.5-157.5	0.6436E-04	60	0- 75	0.8546E-03	90-165	0.5184E-03
75-86.72	0.2281E-01	-7.5 TO 67.5	0.2402E-04	82.5-157.5	0.5242E-05	75	0- 75	0.2994E-03	90-165	0.1102E-03
0-15.00	0.4625E-02	-7.5 TO 82.5	0.4231E-03	82.5-172.5	0.3900E-03	0	0- 90	0.2500E-02	90-180	0.2500E-02
15-30.00	0.1356E-01	-7.5 TO 82.5	0.3964E-03	82.5-172.5	0.3292E-03	15	0- 90	0.2500E-02	90-180	0.2208E-02
30-45.00	0.2157E-01	-7.5 TO 82.5	0.3251E-03	82.5-172.5	0.2422E-03	30	0- 90	0.2190E-02	90-180	0.1719E-02
45-60.00	0.2811E-01	-7.5 TO 82.5	0.2236E-03	82.5-172.5	0.1489E-03	45	0- 90	0.1646E-02	90-180	0.1154E-02
60-75.00	0.3274E-01	-7.5 TO 82.5	0.1126E-03	82.5-172.5	0.6190E-04	60	0- 90	0.9897E-03	90-180	0.6058E-03
75-86.72	0.2738E-01	-7.5 TO 82.5	0.2216E-04	82.5-172.5	0.4703E-05	75	0- 90	0.3381E-03	90-180	0.1242E-03
0-15.00	0.5396E-02	-7.5 TO 97.5	0.4204E-03	82.5-187.5	0.3884E-03	0	0-105	0.2917E-02	90-195	0.2917E-02
15-30.00	0.1582E-01	-7.5 TO 97.5	0.3907E-03	82.5-187.5	0.3262E-03	15	0-105	0.2886E-02	90-195	0.2563E-02
30-45.00	0.2517E-01	-7.5 TO 97.5	0.3179E-03	82.5-187.5	0.2387E-03	30	0-105	0.2505E-02	90-195	0.1986E-02
45-60.00	0.3280E-01	-7.5 TO 97.5	0.2170E-03	82.5-187.5	0.1459E-03	45	0-105	0.1867E-02	90-195	0.1327E-02
60-75.00	0.3819E-01	-7.5 TO 97.5	0.1079E-03	82.5-187.5	0.6002E-04	60	0-105	0.1112E-02	90-195	0.6931E-03
75-86.72	0.3194E-01	-7.5 TO 97.5	0.2032E-04	82.5-187.5	0.4302E-05	75	0-105	0.3697E-03	90-195	0.1381E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5457$ $\cosh \mu_2 = 5.7571$ $\alpha_{2,max} = 93.28$ $\theta_{2,min} = 76.79$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7709E-03	-7.5 TO 7.5	0.4309E-03	82.5- 97.5	0.4039E-03	0	0- 15	0.4167E-03	90-105	0.4167E-03
15-30.00	0.2260E-02	-7.5 TO 7.5	0.4130E-03	82.5- 97.5	0.3564E-03	15	0- 15	0.4310E-03	90-105	0.3864E-03
30-45.00	0.3595E-02	-7.5 TO 7.5	0.3467E-03	82.5- 97.5	0.2745E-03	30	0- 15	0.3897E-03	90-105	0.3149E-03
45-60.00	0.4685E-02	-7.5 TO 7.5	0.2441E-03	82.5- 97.5	0.1769E-03	45	0- 15	0.3015E-03	90-105	0.2207E-03
60-75.00	0.5456E-02	-7.5 TO 7.5	0.1274E-03	82.5- 97.5	0.7997E-04	60	0- 15	0.1874E-03	90-105	0.1221E-03
75-86.72	0.4563E-02	-7.5 TO 7.5	0.2905E-04	82.5- 97.5	0.9320E-05	75	0- 15	0.6996E-04	90-105	0.3158E-04
0-15.00	0.1542E-02	-7.5 TO 22.5	0.4304E-03	82.5-112.5	0.4006E-03	0	0- 30	0.8333E-03	90-120	0.8333E-03
15-30.00	0.4520E-02	-7.5 TO 22.5	0.4120E-03	82.5-112.5	0.3498E-03	15	0- 30	0.8591E-03	90-120	0.7635E-03
30-45.00	0.7191E-02	-7.5 TO 22.5	0.3453E-03	82.5-112.5	0.2665E-03	30	0- 30	0.7744E-03	90-120	0.6151E-03
45-60.00	0.9371E-02	-7.5 TO 22.5	0.2428E-03	82.5-112.5	0.1698E-03	45	0- 30	0.5974E-03	90-120	0.4264E-03
60-75.00	0.1091E-01	-7.5 TO 22.5	0.1264E-03	82.5-112.5	0.7525E-04	60	0- 30	0.3701E-03	90-120	0.2329E-03
75-86.72	0.9125E-02	-7.5 TO 22.5	0.2855E-04	82.5-112.5	0.7945E-05	75	0- 30	0.1370E-03	90-120	0.5710E-04
0-15.00	0.2313E-02	-7.5 TO 37.5	0.4293E-03	82.5-127.5	0.3974E-03	0	0- 45	0.1250E-02	90-135	0.1250E-02
15-30.00	0.6780E-02	-7.5 TO 37.5	0.4096E-03	82.5-127.5	0.3436E-03	15	0- 45	0.1282E-02	90-135	0.1132E-02
30-45.00	0.1079E-01	-7.5 TO 37.5	0.3422E-03	82.5-127.5	0.2591E-03	30	0- 45	0.1150E-02	90-135	0.9027E-03
45-60.00	0.1406E-01	-7.5 TO 37.5	0.2399E-03	82.5-127.5	0.1633E-03	45	0- 45	0.8828E-03	90-135	0.6196E-03
60-75.00	0.1637E-01	-7.5 TO 37.5	0.1243E-03	82.5-127.5	0.7105E-04	60	0- 45	0.5461E-03	90-135	0.3343E-03
75-86.72	0.1369E-01	-7.5 TO 37.5	0.2744E-04	82.5-127.5	0.6853E-05	75	0- 45	0.1986E-03	90-135	0.7787E-04
0-15.00	0.3083E-02	-7.5 TO 52.5	0.4277E-03	82.5-142.5	0.3946E-03	0	0- 60	0.1667E-02	90-150	0.1667E-02
15-30.00	0.9040E-02	-7.5 TO 52.5	0.4061E-03	82.5-142.5	0.3380E-03	15	0- 60	0.1697E-02	90-150	0.1495E-02
30-45.00	0.1438E-01	-7.5 TO 52.5	0.3376E-03	82.5-142.5	0.2525E-03	30	0- 60	0.1512E-02	90-150	0.1180E-02
45-60.00	0.1874E-01	-7.5 TO 52.5	0.2355E-03	82.5-142.5	0.1576E-03	45	0- 60	0.1154E-02	90-150	0.8031E-03
60-75.00	0.2183E-01	-7.5 TO 52.5	0.1211E-03	82.5-142.5	0.6741E-04	60	0- 60	0.7063E-03	90-150	0.4287E-03
75-86.72	0.1825E-01	-7.5 TO 52.5	0.2588E-04	82.5-142.5	0.5955E-05	75	0- 60	0.2531E-03	90-150	0.9516E-04
0-15.00	0.3854E-02	-7.5 TO 67.5	0.4256E-03	82.5-157.5	0.3921E-03	0	0- 75	0.2083E-02	90-165	0.2083E-02
15-30.00	0.1130E-01	-7.5 TO 67.5	0.4016E-03	82.5-157.5	0.3332E-03	15	0- 75	0.2103E-02	90-165	0.1852E-02
30-45.00	0.1798E-01	-7.5 TO 67.5	0.3318E-03	82.5-157.5	0.2468E-03	30	0- 75	0.1859E-02	90-165	0.1451E-02
45-60.00	0.2343E-01	-7.5 TO 67.5	0.2300E-03	82.5-157.5	0.1528E-03	45	0- 75	0.1409E-02	90-165	0.9800E-03
60-75.00	0.2728E-01	-7.5 TO 67.5	0.1171E-03	82.5-157.5	0.6436E-04	60	0- 75	0.8551E-03	90-165	0.5184E-03
75-86.72	0.2281E-01	-7.5 TO 67.5	0.2606E-04	82.5-157.5	0.5242E-05	75	0- 75	0.2997E-03	90-165	0.1102E-03
0-15.00	0.4625E-02	-7.5 TO 82.5	0.4231E-03	82.5-172.5	0.3900E-03	0	0- 90	0.2500E-02	90-180	0.2500E-02
15-30.00	0.1356E-01	-7.5 TO 82.5	0.3964E-03	82.5-172.5	0.3292E-03	15	0- 90	0.2500E-02	90-180	0.2208E-02
30-45.00	0.2157E-01	-7.5 TO 82.5	0.3251E-03	82.5-172.5	0.2422E-03	30	0- 90	0.2190E-02	90-180	0.1719E-02
45-60.00	0.2811E-01	-7.5 TO 82.5	0.2237E-03	82.5-172.5	0.1489E-03	45	0- 90	0.1646E-02	90-180	0.1154E-02
60-75.00	0.3274E-01	-7.5 TO 82.5	0.1127E-03	82.5-172.5	0.6190E-04	60	0- 90	0.9901E-03	90-180	0.6803E-03
75-86.72	0.2738E-01	-7.5 TO 82.5	0.2219E-04	82.5-172.5	0.4703E-05	75	0- 90	0.3385E-03	90-180	0.1242E-03
0-15.00	0.5396E-02	-7.5 TO 97.5	0.4204E-03	82.5-187.5	0.3884E-03	0	0-105	0.2917E-02	90-195	0.2917E-02
15-30.00	0.1582E-01	-7.5 TO 97.5	0.3907E-03	82.5-187.5	0.3262E-03	15	0-105	0.2886E-02	90-195	0.2563E-02
30-45.00	0.2517E-01	-7.5 TO 97.5	0.3179E-03	82.5-187.5	0.2387E-03	30	0-105	0.2505E-02	90-195	0.1986E-02
45-60.00	0.3280E-01	-7.5 TO 97.5	0.2170E-03	82.5-187.5	0.1459E-03	45	0-105	0.1867E-02	90-195	0.1327E-02
60-75.00	0.3819E-01	-7.5 TO 97.5	0.1080E-03	82.5-187.5	0.6202E-04	60	0-105	0.1112E-02	90-195	0.6931E-03
75-86.72	0.3194E-01	-7.5 TO 97.5	0.2036E-04	82.5-187.5	0.4302E-05	75	0-105	0.3700E-03	90-195	0.1381E-03

$r_2/r_1 = 0.60$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0320$ $\cosh \mu_2 = 8.2800$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 163.09$

0-15.00	0.3668E-03	-7.5 TO 7.5	0.1389E-04	82.5- 97.5	0.1380E-04	0	0- 15	0.1417E-04	90-105	0.1417E-04
15-30.00	0.1075E-02	-7.5 TO 7.5	0.1260E-04	82.5- 97.5	0.1241E-04	15	0- 15	0.1357E-04	90-105	0.1342E-04
30-45.00	0.1711E-02	-7.5 TO 7.5	0.1017E-04	82.5- 97.5	0.9916E-05	30	0- 15	0.1164E-04	90-105	0.1138E-04
45-60.00	0.2229E-02	-7.5 TO 7.5	0.7031E-05	82.5- 97.5	0.6776E-05	45	0- 15	0.8747E-05	90-105	0.8449E-05
60-75.00	0.2596E-02	-7.5 TO 7.5	0.3655E-05	82.5- 97.5	0.3448E-05	60	0- 15	0.5388E-05	90-105	0.5121E-05
75-87.71	0.2355E-02	-7.5 TO 7.5	0.7166E-06	82.5- 97.5	0.6192E-06	75	0- 15	0.2008E-05	90-105	0.1814E-05
0-15.00	0.7336E-03	-7.5 TO 22.5	0.1389E-04	82.5-112.5	0.1379E-04	0	0- 30	0.2833E-04	90-120	0.2833E-04
15-30.00	0.2151E-02	-7.5 TO 22.5	0.1260E-04	82.5-112.5	0.1238E-04	15	0- 30	0.2714E-04	90-120	0.2680E-04
30-45.00	0.3421E-02	-7.5 TO 22.5	0.1017E-04	82.5-112.5	0.9883E-05	30	0- 30	0.2325E-04	90-120	0.2270E-04
45-60.00	0.4459E-02	-7.5 TO 22.5	0.7027E-05	82.5-112.5	0.6743E-05	45	0- 30	0.1747E-04	90-120	0.1683E-04
60-75.00	0.5192E-02	-7.5 TO 22.5	0.3652E-05	82.5-112.5	0.3422E-05	60	0- 30	0.1076E-04	90-120	0.1018E-04
75-87.71	0.4711E-02	-7.5 TO 22.5	0.7145E-06	82.5-112.5	0.6080E-06	75	0- 30	0.4005E-05	90-120	0.3586E-05
0-15.00	0.1100E-02	-7.5 TO 37.5	0.1389E-04	82.5-127.5	0.1378E-04	0	0- 45	0.4250E-04	90-135	0.4250E-04
15-30.00	0.3226E-02	-7.5 TO 37.5	0.1259E-04	82.5-127.5	0.1236E-04	15	0- 45	0.4068E-04	90-135	0.4016E-04
30-45.00	0.5132E-02	-7.5 TO 37.5	0.1016E-04	82.5-127.5	0.9852E-05	30	0- 45	0.3485E-04	90-135	0.3396E-04
45-60.00	0.6688E-02	-7.5 TO 37.5	0.7017E-05	82.5-127.5	0.6712E-05	45	0- 45	0.2617E-04	90-135	0.2516E-04
60-75.00	0.7788E-02	-7.5 TO 37.5	0.3643E-05	82.5-127.5	0.3397E-05	60	0- 45	0.1610E-04	90-135	0.1519E-04
75-87.71	0.7066E-02	-7.5 TO 37.5	0.7098E-06	82.5-127.5	0.5974E-06	75	0- 45	0.5978E-05	90-135	0.5320E-05
0-15.00	0.1467E-02	-7.5 TO 52.5	0.1388E-04	82.5-142.5	0.1377E-04	0	0- 60	0.5667E-04	90-150	0.5667E-04
15-30.00	0.4301E-02	-7.5 TO 52.5	0.1258E-04	82.5-142.5	0.1234E-04	15	0- 60	0.5420E-04	90-150	0.5349E-04
30-45.00	0.6843E-02	-7.5 TO 52.5	0.1014E-04	82.5-142.5	0.9824E-05	30	0- 60	0.4640E-04	90-150	0.4519E-04
45-60.00	0.8917E-02	-7.5 TO 52.5	0.7001E-05	82.5-142.5	0.6684E-05	45	0- 60	0.3481E-04	90-150	0.3343E-04
60-75.00	0.1038E-01	-7.5 TO 52.5	0.3631E-05	82.5-142.5	0.3374E-05	60	0- 60	0.2140E-04	90-150	0.2016E-04
75-87.71	0.9422E-02	-7.5 TO 52.5	0.7030E-06	82.5-142.5	0.5877E-06	75	0- 60	0.7919E-05	90-150	0.7023E-05
0-15.00	0.1834E-02	-7.5 TO 67.5	0.1388E-04	82.5-157.5	0.1376E-04	0	0- 75	0.7083E-04	90-165	0.7083E-04
15-30.00	0.5377E-02	-7.5 TO 67.5	0.1257E-04	82.5-157.5	0.1232E-04	15	0- 75	0.6769E-04	90-165	0.6680E-04
30-45.00	0.8553E-02	-7.5 TO 67.5	0.1012E-04	82.5-157.5	0.9799E-05	30	0- 75	0.5790E-04	90-165	0.5638E-04
45-60.00	0.1115E-01	-7.5 TO 67.5	0.6982E-05	82.5-157.5	0.6659E-05	45	0- 75	0.4340E-04	90-165	0.4167E-04
60-75.00	0.1298E-01	-7.5 TO 67.5	0.3615E-05	82.5-157.5	0.3354E-05	60	0- 75	0.2664E-04	90-165	0.2510E-04
75-87.71	0.1178E-01	-7.5 TO 67.5	0.6950E-06	82.5-157.5	0.5793E-06	75	0- 75	0.9821E-05	90-165	0.8705E-05
0-15.00	0.2201E-02	-7.5 TO 82.5	0.1387E-04	82.5-172.5	0.1375E-04	0	0- 90	0.8500E-04	90-180	0.8500E-04
15-30.00	0.6452E-02	-7.5 TO 82.5	0.1255E-04	82.5-172.5	0.1230E-04	15	0- 90	0.8115E-04	90-180	0.8010E-04
30-45.00	0.1026E-01	-7.5 TO 82.5	0.1010E-04	82.5-172.5	0.9778E-05	30	0- 90	0.6934E-04	90-180	0.6756E-04
45-60.00	0.1338E-01	-7.5 TO 82.5	0.6958E-05	82.5-172.5	0.6638E-05	45	0- 90	0.5191E-04	90-180	0.4990E-04
60-75.00	0.1558E-01	-7.5 TO 82.5	0.3596E-05	82.5-172.5	0.3338E-05	60	0- 90	0.3182E-04	90-180	0.3002E-04
75-87.71	0.1413E-01	-7.5 TO 82.5	0.6861E-06	82.5-172.5	0.5722E-06	75	0- 90	0.1168E-04	90-180	0.1038E-04
0-15.00	0.2568E-02	-7.5 TO 97.5	0.1386E-04	82.5-187.5	0.1374E-04	0	0-105	0.9917E-04	90-195	0.9917E-04
15-30.00	0.7528E-02	-7.5 TO 97.5	0.1253E-04	82.5-187.5	0.1229E-04	15	0-105	0.9457E-04	90-195	0.9340E-04
30-45.00	0.1197E-01	-7.5 TO 97.5	0.1007E-04	82.5-187.5	0.9762E-05	30	0-105	0.8072E-04	90-195	0.7874E-04
45-60.00	0.1561E-01	-7.5 TO 97.5	0.6932E-05	82.5-187.5	0.6623E-05	45	0-105	0.6036E-04	90-195	0.5812E-04
60-75.00	0.1817E-01	-7.5 TO 97.5	0.3575E-05	82.5-187.5	0.3325E-05	60	0-105	0.3694E-04	90-195	0.3494E-04
75-87.71	0.1649E-01	-7.5 TO 97.5	0.6766E-06	82.5-187.5	0.5668E-06	75	0-105	0.1349E-04	90-195	0.1205E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0320$ $\cosh \mu_2 = 8.2800$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 146.34$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3668E-03	-7.5 TO 7.5	0.5142E-04	82.5- 97.5	0.5073E-04	0	0- 15	0.5208E-04	90-105	0.5208E-04
15-30.00	0.1075E-02	-7.5 TO 7.5	0.4706E-04	82.5- 97.5	0.4563E-04	15	0- 15	0.5040E-04	90-105	0.4927E-04
30-45.00	0.1711E-02	-7.5 TO 7.5	0.3836E-04	82.5- 97.5	0.3648E-04	30	0- 15	0.4366E-04	90-105	0.4173E-04
45-60.00	0.2229E-02	-7.5 TO 7.5	0.2682E-04	82.5- 97.5	0.2494E-04	45	0- 15	0.3316E-04	90-105	0.3096E-04
60-75.00	0.2596E-02	-7.5 TO 7.5	0.1423E-04	82.5- 97.5	0.1271E-04	60	0- 15	0.2071E-04	90-105	0.1875E-04
75-87.71	0.2355E-02	-7.5 TO 7.5	0.3111E-05	82.5- 97.5	0.2288E-05	75	0- 15	0.8034E-05	90-105	0.6615E-05
0-15.00	0.7336E-03	-7.5 TO 22.5	0.5141E-04	82.5-112.5	0.5065E-04	0	0- 30	0.1042E-03	90-120	0.1042E-03
15-30.00	0.2151E-02	-7.5 TO 22.5	0.4704E-04	82.5-112.5	0.4545E-04	15	0- 30	0.1007E-03	90-120	0.9829E-04
30-45.00	0.3421E-02	-7.5 TO 22.5	0.3833E-04	82.5-112.5	0.3624E-04	30	0- 30	0.8720E-04	90-120	0.8304E-04
45-60.00	0.4459E-02	-7.5 TO 22.5	0.2679E-04	82.5-112.5	0.2470E-04	45	0- 30	0.6618E-04	90-120	0.6145E-04
60-75.00	0.5192E-02	-7.5 TO 22.5	0.1420E-04	82.5-112.5	0.1252E-04	60	0- 30	0.4130E-04	90-120	0.3707E-04
75-87.71	0.4711E-02	-7.5 TO 22.5	0.3094E-05	82.5-112.5	0.2208E-05	75	0- 30	0.1598E-04	90-120	0.1293E-04
0-15.00	0.1100E-02	-7.5 TO 37.5	0.5138E-04	82.5-127.5	0.5056E-04	0	0- 45	0.1562E-03	90-135	0.1562E-03
15-30.00	0.3226E-02	-7.5 TO 37.5	0.4698E-04	82.5-127.5	0.4527E-04	15	0- 45	0.1509E-03	90-135	0.1471E-03
30-45.00	0.5132E-02	-7.5 TO 37.5	0.3825E-04	82.5-127.5	0.3601E-04	30	0- 45	0.1305E-03	90-135	0.1240E-03
45-60.00	0.6688E-02	-7.5 TO 37.5	0.2671E-04	82.5-127.5	0.2448E-04	45	0- 45	0.9894E-04	90-135	0.9151E-04
60-75.00	0.7788E-02	-7.5 TO 37.5	0.1414E-04	82.5-127.5	0.1234E-04	60	0- 45	0.6166E-04	90-135	0.5502E-04
75-87.71	0.7066E-02	-7.5 TO 37.5	0.3056E-05	82.5-127.5	0.2134E-05	75	0- 45	0.2375E-04	90-135	0.1898E-04
0-15.00	0.1467E-02	-7.5 TO 52.5	0.5134E-04	82.5-142.5	0.5049E-04	0	0- 60	0.2083E-03	90-150	0.2083E-03
15-30.00	0.4301E-02	-7.5 TO 52.5	0.4690E-04	82.5-142.5	0.4511E-04	15	0- 60	0.2010E-03	90-150	0.1957E-03
30-45.00	0.6843E-02	-7.5 TO 52.5	0.3814E-04	82.5-142.5	0.3581E-04	30	0- 60	0.1735E-03	90-150	0.1646E-03
45-60.00	0.8917E-02	-7.5 TO 52.5	0.2660E-04	82.5-142.5	0.2428E-04	45	0- 60	0.1313E-03	90-150	0.1212E-03
60-75.00	0.1038E-01	-7.5 TO 52.5	0.1405E-04	82.5-142.5	0.1218E-04	60	0- 60	0.8168E-04	90-150	0.7267E-04
75-87.71	0.9422E-02	-7.5 TO 52.5	0.2998E-05	82.5-142.5	0.2066E-05	75	0- 60	0.3129E-04	90-150	0.2482E-04
0-15.00	0.1834E-02	-7.5 TO 67.5	0.5129E-04	82.5-157.5	0.5042E-04	0	0- 75	0.2604E-03	90-165	0.2604E-03
15-30.00	0.5377E-02	-7.5 TO 67.5	0.4679E-04	82.5-157.5	0.4497E-04	15	0- 75	0.2507E-03	90-165	0.2442E-03
30-45.00	0.8553E-02	-7.5 TO 67.5	0.3799E-04	82.5-157.5	0.3562E-04	30	0- 75	0.2161E-03	90-165	0.2050E-03
45-60.00	0.1115E-01	-7.5 TO 67.5	0.2645E-04	82.5-157.5	0.2410E-04	45	0- 75	0.1633E-03	90-165	0.1507E-03
60-75.00	0.1298E-01	-7.5 TO 67.5	0.1393E-04	82.5-157.5	0.1204E-04	60	0- 75	0.1013E-03	90-165	0.9010E-04
75-87.71	0.1178E-01	-7.5 TO 67.5	0.2926E-05	82.5-157.5	0.2007E-05	75	0- 75	0.3854E-04	90-165	0.3051E-04
0-15.00	0.2201E-02	-7.5 TO 82.5	0.5122E-04	82.5-172.5	0.5036E-04	0	0- 90	0.3125E-03	90-180	0.3125E-03
15-30.00	0.6452E-02	-7.5 TO 82.5	0.4665E-04	82.5-172.5	0.4486E-04	15	0- 90	0.3003E-03	90-180	0.2926E-03
30-45.00	0.1026E-01	-7.5 TO 82.5	0.3782E-04	82.5-172.5	0.3547E-04	30	0- 90	0.2583E-03	90-180	0.2453E-03
45-60.00	0.1338E-01	-7.5 TO 82.5	0.2628E-04	82.5-172.5	0.2395E-04	45	0- 90	0.1948E-03	90-180	0.1801E-03
60-75.00	0.1558E-01	-7.5 TO 82.5	0.1379E-04	82.5-172.5	0.1192E-04	60	0- 90	0.1205E-03	90-180	0.1074E-03
75-87.71	0.1413E-01	-7.5 TO 82.5	0.2847E-05	82.5-172.5	0.1959E-05	75	0- 90	0.4547E-04	90-180	0.3612E-04
0-15.00	0.2568E-02	-7.5 TO 97.5	0.5115E-04	82.5-187.5	0.5032E-04	0	0-105	0.3645E-03	90-195	0.3645E-03
15-30.00	0.7528E-02	-7.5 TO 97.5	0.4651E-04	82.5-187.5	0.4477E-04	15	0-105	0.3495E-03	90-195	0.3410E-03
30-45.00	0.1197E-01	-7.5 TO 97.5	0.3763E-04	82.5-187.5	0.3536E-04	30	0-105	0.3000E-03	90-195	0.2856E-03
45-60.00	0.1561E-01	-7.5 TO 97.5	0.2609E-04	82.5-187.5	0.2384E-04	45	0-105	0.2257E-03	90-195	0.2094E-03
60-75.00	0.1817E-01	-7.5 TO 97.5	0.1363E-04	82.5-187.5	0.1183E-04	60	0-105	0.1393E-03	90-195	0.1248E-03
75-87.71	0.1649E-01	-7.5 TO 97.5	0.2767E-05	82.5-187.5	0.1921E-05	75	0-105	0.5209E-04	90-195	0.4173E-04

$r_2/r_1 = 0.60$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0320$ $\cosh \mu_2 = 8.2800$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 129.87$

0-15.00	0.3668E-03	-7.5 TO 7.5	0.1011E-03	82.5- 97.5	0.9911E-04	0	0- 15	0.1017E-03	90-105	0.1017E-03
15-30.00	0.1075E-02	-7.5 TO 7.5	0.9337E-04	82.5- 97.5	0.8917E-04	15	0- 15	0.9945E-04	90-105	0.9614E-04
30-45.00	0.1711E-02	-7.5 TO 7.5	0.7685E-04	82.5- 97.5	0.7133E-04	30	0- 15	0.8701E-04	90-105	0.8136E-04
45-60.00	0.2229E-02	-7.5 TO 7.5	0.5431E-04	82.5- 97.5	0.4881E-04	45	0- 15	0.6675E-04	90-105	0.6033E-04
60-75.00	0.2596E-02	-7.5 TO 7.5	0.2931E-04	82.5- 97.5	0.2490E-04	60	0- 15	0.4223E-04	90-105	0.3651E-04
75-87.71	0.2355E-02	-7.5 TO 7.5	0.6973E-05	82.5- 97.5	0.4502E-05	75	0- 15	0.1693E-04	90-105	0.1286E-04
0-15.00	0.7336E-03	-7.5 TO 22.5	0.1011E-03	82.5-112.5	0.9886E-04	0	0- 30	0.2035E-03	90-120	0.2035E-03
15-30.00	0.2151E-02	-7.5 TO 22.5	0.9330E-04	82.5-112.5	0.8864E-04	15	0- 30	0.1987E-03	90-120	0.1915E-03
30-45.00	0.3421E-02	-7.5 TO 22.5	0.7675E-04	82.5-112.5	0.7063E-04	30	0- 30	0.1737E-03	90-120	0.1615E-03
45-60.00	0.4459E-02	-7.5 TO 22.5	0.5422E-04	82.5-112.5	0.4813E-04	45	0- 30	0.1331E-03	90-120	0.1193E-03
60-75.00	0.5192E-02	-7.5 TO 22.5	0.2923E-04	82.5-112.5	0.2437E-04	60	0- 30	0.8410E-04	90-120	0.7181E-04
75-87.71	0.4711E-02	-7.5 TO 22.5	0.6924E-05	82.5-112.5	0.4282E-05	75	0- 30	0.3359E-04	90-120	0.2487E-04
0-15.00	0.1100E-02	-7.5 TO 37.5	0.1010E-03	82.5-127.5	0.9861E-04	0	0- 45	0.3052E-03	90-135	0.3052E-03
15-30.00	0.3226E-02	-7.5 TO 37.5	0.9313E-04	82.5-127.5	0.8813E-04	15	0- 45	0.2976E-03	90-135	0.2863E-03
30-45.00	0.5132E-02	-7.5 TO 37.5	0.7653E-04	82.5-127.5	0.6998E-04	30	0- 45	0.2597E-03	90-135	0.2405E-03
45-60.00	0.6688E-02	-7.5 TO 37.5	0.5399E-04	82.5-127.5	0.4749E-04	45	0- 45	0.1987E-03	90-135	0.1770E-03
60-75.00	0.7788E-02	-7.5 TO 37.5	0.2905E-04	82.5-127.5	0.2387E-04	60	0- 45	0.1253E-03	90-135	0.1061E-03
75-87.71	0.7066E-02	-7.5 TO 37.5	0.6812E-05	82.5-127.5	0.4077E-05	75	0- 45	0.4976E-04	90-135	0.3616E-04
0-15.00	0.1467E-02	-7.5 TO 52.5	0.1009E-03	82.5-142.5	0.9839E-04	0	0- 60	0.4069E-03	90-150	0.4069E-03
15-30.00	0.4301E-02	-7.5 TO 52.5	0.9288E-04	82.5-142.5	0.8767E-04	15	0- 60	0.3959E-03	90-150	0.3805E-03
30-45.00	0.6843E-02	-7.5 TO 52.5	0.7620E-04	82.5-142.5	0.6938E-04	30	0- 60	0.3447E-03	90-150	0.3187E-03
45-60.00	0.8917E-02	-7.5 TO 52.5	0.5366E-04	82.5-142.5	0.4691E-04	45	0- 60	0.2632E-03	90-150	0.2338E-03
60-75.00	0.1038E-01	-7.5 TO 52.5	0.2878E-04	82.5-142.5	0.2341E-04	60	0- 60	0.1655E-03	90-150	0.1394E-03
75-87.71	0.9422E-02	-7.5 TO 52.5	0.6644E-05	82.5-142.5	0.3892E-05	75	0- 60	0.6523E-04	90-150	0.4687E-04
0-15.00	0.1834E-02	-7.5 TO 67.5	0.1007E-03	82.5-157.5	0.9819E-04	0	0- 75	0.5087E-03	90-165	0.5087E-03
15-30.00	0.5377E-02	-7.5 TO 67.5	0.9256E-04	82.5-157.5	0.8726E-04	15	0- 75	0.4935E-03	90-165	0.4743E-03
30-45.00	0.8553E-02	-7.5 TO 67.5	0.7577E-04	82.5-157.5	0.6886E-04	30	0- 75	0.4286E-03	90-165	0.3962E-03
45-60.00	0.1115E-01	-7.5 TO 67.5	0.5323E-04	82.5-157.5	0.4660E-04	45	0- 75	0.3264E-03	90-165	0.2898E-03
60-75.00	0.1298E-01	-7.5 TO 67.5	0.2844E-04	82.5-157.5	0.2302E-04	60	0- 75	0.2045E-03	90-165	0.1722E-03
75-87.71	0.1178E-01	-7.5 TO 67.5	0.6431E-05	82.5-157.5	0.3732E-05	75	0- 75	0.7988E-04	90-165	0.5718E-04
0-15.00	0.2201E-02	-7.5 TO 82.5	0.1005E-03	82.5-172.5	0.9803E-04	0	0- 90	0.6104E-03	90-180	0.6104E-03
15-30.00	0.6452E-02	-7.5 TO 82.5	0.9217E-04	82.5-172.5	0.8692E-04	15	0- 90	0.5904E-03	90-180	0.5680E-03
30-45.00	0.1026E-01	-7.5 TO 82.5	0.7526E-04	82.5-172.5	0.6843E-04	30	0- 90	0.5113E-03	90-180	0.4734E-03
45-60.00	0.1338E-01	-7.5 TO 82.5	0.5273E-04	82.5-172.5	0.4598E-04	45	0- 90	0.3882E-03	90-180	0.3455E-03
60-75.00	0.1558E-01	-7.5 TO 82.5	0.2803E-04	82.5-172.5	0.2269E-04	60	0- 90	0.2423E-03	90-180	0.2047E-03
75-87.71	0.1413E-01	-7.5 TO 82.5	0.6191E-05	82.5-172.5	0.3600E-05	75	0- 90	0.9364E-04	90-180	0.6729E-04
0-15.00	0.2568E-02	-7.5 TO 97.5	0.1003E-03	82.5-187.5	0.9790E-04	0	0-105	0.7121E-03	90-195	0.7121E-03
15-30.00	0.7528E-02	-7.5 TO 97.5	0.9174E-04	82.5-187.5	0.8666E-04	15	0-105	0.6866E-03	90-195	0.6616E-03
30-45.00	0.1197E-01	-7.5 TO 97.5	0.7470E-04	82.5-187.5	0.6809E-04	30	0-105	0.5926E-03	90-195	0.5506E-03
45-60.00	0.1561E-01	-7.5 TO 97.5	0.5217E-04	82.5-187.5	0.4565E-04	45	0-105	0.4485E-03	90-195	0.4012E-03
60-75.00	0.1817E-01	-7.5 TO 97.5	0.2759E-04	82.5-187.5	0.2244E-04	60	0-105	0.2789E-03	90-195	0.2372E-03
75-87.71	0.1649E-01	-7.5 TO 97.5	0.5950E-05	82.5-187.5	0.3499E-05	75	0-105	0.1065E-03	90-195	0.7740E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0320$ $\cosh \mu_2 = 8.2800$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 113.80$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3668E-03	-7.5 TO 7.5	0.1482E-03	82.5- 97.5	0.1443E-03	0	0- 15	0.1481E-03	90-105	0.1481E-03
15-30.00	0.1075E-02	-7.5 TO 7.5	0.1381E-03	82.5- 97.5	0.1299E-03	15	0- 15	0.1463E-03	90-105	0.1398E-03
30-45.00	0.1711E-02	-7.5 TO 7.5	0.1147E-03	82.5- 97.5	0.1040E-03	30	0- 15	0.1293E-03	90-105	0.1182E-03
45-60.00	0.2229E-02	-7.5 TO 7.5	0.8190E-04	82.5- 97.5	0.7122E-04	45	0- 15	0.1001E-03	90-105	0.8764E-04
60-75.00	0.2556E-02	-7.5 TO 7.5	0.4483E-04	82.5- 97.5	0.3640E-04	60	0- 15	0.6405E-04	90-105	0.5303E-04
75-87.71	0.2355E-02	-7.5 TO 7.5	0.1131E-04	82.5- 97.5	0.6611E-05	75	0- 15	0.2632E-04	90-105	0.1866E-04
0-15.00	0.7336E-03	-7.5 TO 22.5	0.1482E-03	82.5-112.5	0.1438E-03	0	0- 30	0.2962E-03	90-120	0.2962E-03
15-30.00	0.2151E-02	-7.5 TO 22.5	0.1380E-03	82.5-112.5	0.1288E-03	15	0- 30	0.2922E-03	90-120	0.2782E-03
30-45.00	0.3421E-02	-7.5 TO 22.5	0.1146E-03	82.5-112.5	0.1026E-03	30	0- 30	0.2578E-03	90-120	0.2341E-03
45-60.00	0.4459E-02	-7.5 TO 22.5	0.8171E-04	82.5-112.5	0.6992E-04	45	0- 30	0.1995E-03	90-120	0.1726E-03
60-75.00	0.5192E-02	-7.5 TO 22.5	0.4468E-04	82.5-112.5	0.3540E-04	60	0- 30	0.1274E-03	90-120	0.1038E-03
75-87.71	0.4711E-02	-7.5 TO 22.5	0.1122E-04	82.5-112.5	0.6214E-05	75	0- 30	0.5213E-04	90-120	0.3580E-04
0-15.00	0.1100E-02	-7.5 TO 37.5	0.1480E-03	82.5-127.5	0.1433E-03	0	0- 45	0.4443E-03	90-135	0.4443E-03
15-30.00	0.3226E-02	-7.5 TO 37.5	0.1376E-03	82.5-127.5	0.1279E-03	15	0- 45	0.4373E-03	90-135	0.4153E-03
30-45.00	0.5132E-02	-7.5 TO 37.5	0.1141E-03	82.5-127.5	0.1014E-03	30	0- 45	0.3851E-03	90-135	0.3478E-03
45-60.00	0.6688E-02	-7.5 TO 37.5	0.8128E-04	82.5-127.5	0.6870E-04	45	0- 45	0.2973E-03	90-135	0.2553E-03
60-75.00	0.7788E-02	-7.5 TO 37.5	0.4433E-04	82.5-127.5	0.3446E-04	60	0- 45	0.1894E-03	90-135	0.1525E-03
75-87.71	0.7066E-02	-7.5 TO 37.5	0.1100E-04	82.5-127.5	0.5846E-05	75	0- 45	0.7700E-04	90-135	0.5162E-04
0-15.00	0.1467E-02	-7.5 TO 52.5	0.1478E-03	82.5-142.5	0.1429E-03	0	0- 60	0.5924E-03	90-150	0.5924E-03
15-30.00	0.4301E-02	-7.5 TO 52.5	0.1371E-03	82.5-142.5	0.1270E-03	15	0- 60	0.5813E-03	90-150	0.5513E-03
30-45.00	0.6843E-02	-7.5 TO 52.5	0.1135E-03	82.5-142.5	0.1002E-03	30	0- 60	0.5105E-03	90-150	0.4598E-03
45-60.00	0.8917E-02	-7.5 TO 52.5	0.8062E-04	82.5-142.5	0.6759E-04	45	0- 60	0.3931E-03	90-150	0.3360E-03
60-75.00	0.1038E-01	-7.5 TO 52.5	0.4381E-04	82.5-142.5	0.3362E-04	60	0- 60	0.2495E-03	90-150	0.1997E-03
75-87.71	0.9422E-02	-7.5 TO 52.5	0.1069E-04	82.5-142.5	0.5518E-05	75	0- 60	0.1005E-03	90-150	0.6641E-04
0-15.00	0.1834E-02	-7.5 TO 67.5	0.1475E-03	82.5-157.5	0.1425E-03	0	0- 75	0.7405E-03	90-165	0.7405E-03
15-30.00	0.5377E-02	-7.5 TO 67.5	0.1365E-03	82.5-157.5	0.1262E-03	15	0- 75	0.7241E-03	90-165	0.6866E-03
30-45.00	0.8553E-02	-7.5 TO 67.5	0.1126E-03	82.5-157.5	0.9921E-04	30	0- 75	0.6337E-03	90-165	0.5706E-03
45-60.00	0.1115E-01	-7.5 TO 67.5	0.7979E-04	82.5-157.5	0.6663E-04	45	0- 75	0.4863E-03	90-165	0.4155E-03
60-75.00	0.1298E-01	-7.5 TO 67.5	0.4314E-04	82.5-157.5	0.3290E-04	60	0- 75	0.3074E-03	90-165	0.2458E-03
75-87.71	0.1178E-01	-7.5 TO 67.5	0.1028E-04	82.5-157.5	0.5235E-05	75	0- 75	0.1225E-03	90-165	0.8050E-04
0-15.00	0.2201E-02	-7.5 TO 82.5	0.1471E-03	82.5-172.5	0.1422E-03	0	0- 90	0.8886E-03	90-180	0.8886E-03
15-30.00	0.6452E-02	-7.5 TO 82.5	0.1357E-03	82.5-172.5	0.1255E-03	15	0- 90	0.8654E-03	90-180	0.8216E-03
30-45.00	0.1026E-01	-7.5 TO 82.5	0.1116E-03	82.5-172.5	0.9837E-04	30	0- 90	0.7544E-03	90-180	0.6808E-03
45-60.00	0.1338E-01	-7.5 TO 82.5	0.7880E-04	82.5-172.5	0.6583E-04	45	0- 90	0.5767E-03	90-180	0.4943E-03
60-75.00	0.1558E-01	-7.5 TO 82.5	0.4237E-04	82.5-172.5	0.3230E-04	60	0- 90	0.3629E-03	90-180	0.2913E-03
75-87.71	0.1413E-01	-7.5 TO 82.5	0.9830E-05	82.5-172.5	0.5004E-05	75	0- 90	0.1428E-03	90-180	0.9423E-04
0-15.00	0.2568E-02	-7.5 TO 97.5	0.1467E-03	82.5-187.5	0.1419E-03	0	0-105	0.1037E-02	90-195	0.1037E-02
15-30.00	0.7528E-02	-7.5 TO 97.5	0.1349E-03	82.5-187.5	0.1250E-03	15	0-105	0.1005E-02	90-195	0.9565E-03
30-45.00	0.1197E-01	-7.5 TO 97.5	0.1105E-03	82.5-187.5	0.9773E-04	30	0-105	0.8727E-03	90-195	0.7910E-03
45-60.00	0.1561E-01	-7.5 TO 97.5	0.7772E-04	82.5-187.5	0.6522E-04	45	0-105	0.6644E-03	90-195	0.5731E-03
60-75.00	0.1817E-01	-7.5 TO 97.5	0.4151E-04	82.5-187.5	0.3184E-04	60	0-105	0.4159E-03	90-195	0.3368E-03
75-87.71	0.1649E-01	-7.5 TO 97.5	0.9371E-05	82.5-187.5	0.4827E-05	75	0-105	0.1615E-03	90-195	0.1080E-03

$r_2/r_1 = 0.60$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0320$ $\cosh \mu_2 = 8.2800$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 98.19$

0-15.00	0.3668E-03	-7.5 TO 7.5	0.1796E-03	82.5- 97.5	0.1736E-03	0	0- 15	0.1781E-03	90-105	0.1781E-03
15-30.00	0.1075E-02	-7.5 TO 7.5	0.1690E-03	82.5- 97.5	0.1563E-03	15	0- 15	0.1779E-03	90-105	0.1679E-03
30-45.00	0.1711E-02	-7.5 TO 7.5	0.1417E-03	82.5- 97.5	0.1252E-03	30	0- 15	0.1589E-03	90-105	0.1419E-03
45-60.00	0.2229E-02	-7.5 TO 7.5	0.1021E-03	82.5- 97.5	0.8585E-04	45	0- 15	0.1243E-03	90-105	0.1051E-03
60-75.00	0.2556E-02	-7.5 TO 7.5	0.5649E-04	82.5- 97.5	0.4395E-04	60	0- 15	0.8023E-04	90-105	0.6363E-04
75-87.71	0.2355E-02	-7.5 TO 7.5	0.1477E-04	82.5- 97.5	0.8014E-05	75	0- 15	0.3352E-04	90-105	0.2240E-04
0-15.00	0.7336E-03	-7.5 TO 22.5	0.1795E-03	82.5-112.5	0.1728E-03	0	0- 30	0.3563E-03	90-120	0.3563E-03
15-30.00	0.2151E-02	-7.5 TO 22.5	0.1687E-03	82.5-112.5	0.1547E-03	15	0- 30	0.3552E-03	90-120	0.3337E-03
30-45.00	0.3421E-02	-7.5 TO 22.5	0.1415E-03	82.5-112.5	0.1231E-03	30	0- 30	0.3167E-03	90-120	0.2801E-03
45-60.00	0.4459E-02	-7.5 TO 22.5	0.1018E-03	82.5-112.5	0.8390E-04	45	0- 30	0.2473E-03	90-120	0.2063E-03
60-75.00	0.5192E-02	-7.5 TO 22.5	0.5626E-04	82.5-112.5	0.4249E-04	60	0- 30	0.1594E-03	90-120	0.1239E-03
75-87.71	0.4711E-02	-7.5 TO 22.5	0.1463E-04	82.5-112.5	0.7465E-05	75	0- 30	0.6630E-04	90-120	0.4266E-04
0-15.00	0.1100E-02	-7.5 TO 37.5	0.1793E-03	82.5-127.5	0.1721E-03	0	0- 45	0.5344E-03	90-135	0.5344E-03
15-30.00	0.3226E-02	-7.5 TO 37.5	0.1682E-03	82.5-127.5	0.1532E-03	15	0- 45	0.5314E-03	90-135	0.4974E-03
30-45.00	0.5132E-02	-7.5 TO 37.5	0.1408E-03	82.5-127.5	0.1212E-03	30	0- 45	0.4725E-03	90-135	0.4151E-03
45-60.00	0.6688E-02	-7.5 TO 37.5	0.1011E-03	82.5-127.5	0.8207E-04	45	0- 45	0.3680E-03	90-135	0.3039E-03
60-75.00	0.7788E-02	-7.5 TO 37.5	0.5574E-04	82.5-127.5	0.4114E-04	60	0- 45	0.2365E-03	90-135	0.1812E-03
75-87.71	0.7066E-02	-7.5 TO 37.5	0.1432E-04	82.5-127.5	0.6962E-05	75	0- 45	0.9766E-04	90-135	0.6111E-04
0-15.00	0.1467E-02	-7.5 TO 52.5	0.1789E-03	82.5-142.5	0.1714E-03	0	0- 60	0.7125E-03	90-150	0.7125E-03
15-30.00	0.4301E-02	-7.5 TO 52.5	0.1675E-03	82.5-142.5	0.1518E-03	15	0- 60	0.7059E-03	90-150	0.6596E-03
30-45.00	0.6843E-02	-7.5 TO 52.5	0.1398E-03	82.5-142.5	0.1195E-03	30	0- 60	0.6254E-03	90-150	0.5475E-03
45-60.00	0.8617E-02	-7.5 TO 52.5	0.1001E-03	82.5-142.5	0.8042E-04	45	0- 60	0.4855E-03	90-150	0.3987E-03
60-75.00	0.1038E-01	-7.5 TO 52.5	0.5495E-04	82.5-142.5	0.3993E-04	60	0- 60	0.3108E-03	90-150	0.2362E-03
75-87.71	0.9422E-02	-7.5 TO 52.5	0.1386E-04	82.5-142.5	0.6518E-05	75	0- 60	0.1271E-03	90-150	0.7815E-04
0-15.00	0.1834E-02	-7.5 TO 67.5	0.1785E-03	82.5-157.5	0.1708E-03	0	0- 75	0.8907E-03	90-165	0.8907E-03
15-30.00	0.5377E-02	-7.5 TO 67.5	0.1665E-03	82.5-157.5	0.1506E-03	15	0- 75	0.8783E-03	90-165	0.8207E-03
30-45.00	0.8553E-02	-7.5 TO 67.5	0.1385E-03	82.5-157.5	0.1180E-03	30	0- 75	0.7749E-03	90-165	0.6781E-03
45-60.00	0.1115E-01	-7.5 TO 67.5	0.9886E-04	82.5-157.5	0.7899E-04	45	0- 75	0.5992E-03	90-165	0.4916E-03
60-75.00	0.1298E-01	-7.5 TO 67.5	0.5396E-04	82.5-157.5	0.3889E-04	60	0- 75	0.3817E-03	90-165	0.2897E-03
75-87.71	0.1178E-01	-7.5 TO 67.5	0.1329E-04	82.5-157.5	0.6140E-05	75	0- 75	0.1543E-03	90-165	0.9424E-04
0-15.00	0.2201E-02	-7.5 TO 82.5	0.1779E-03	82.5-172.5	0.1703E-03	0	0- 90	0.1069E-02	90-180	0.1069E-02
15-30.00	0.6452E-02	-7.5 TO 82.5	0.1653E-03	82.5-172.5	0.1496E-03	15	0- 90	0.1049E-02	90-180	0.9811E-03
30-45.00	0.1026E-01	-7.5 TO 82.5	0.1370E-03	82.5-172.5	0.1167E-03	30	0- 90	0.9207E-03	90-180	0.8078E-03
45-60.00	0.1338E-01	-7.5 TO 82.5	0.9736E-04	82.5-172.5	0.7781E-04	45	0- 90	0.7086E-03	90-180	0.5834E-03
60-75.00	0.1558E-01	-7.5 TO 82.5	0.5280E-04	82.5-172.5	0.3804E-04	60	0- 90	0.4489E-03	90-180	0.3423E-03
75-87.71	0.1413E-01	-7.5 TO 82.5	0.1264E-04	82.5-172.5	0.5834E-05	75	0- 90	0.1790E-03	90-180	0.1098E-03
0-15.00	0.2568E-02	-7.5 TO 97.5	0.1773E-03	82.5-187.5	0.1699E-03	0	0-105	0.1247E-02	90-195	0.1247E-02
15-30.00	0.7528E-02	-7.5 TO 97.5	0.1640E-03	82.5-187.5	0.1488E-03	15	0-105	0.1216E-02	90-195	0.1142E-02
30-45.00	0.1197E-01	-7.5 TO 97.5	0.1353E-03	82.5-187.5	0.1157E-03	30	0-105	0.1063E-02	90-195	0.9374E-03
45-60.00	0.1561E-01	-7.5 TO 97.5	0.9572E-04	82.5-187.5	0.7690E-04	45	0-105	0.8137E-03	90-195	0.6753E-03
60-75.00	0.1817E-01	-7.5 TO 97.5	0.5153E-04	82.5-187.5	0.3738E-04	60	0-105	0.5126E-03	90-195	0.3949E-03
75-87.71	0.1649E-01	-7.5 TO 97.5	0.1198E-04	82.5-187.5	0.5600E-05	75	0-105	0.2014E-03	90-195	0.1254E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0320$ $\cosh \mu_2 = 8.2800$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 83.06$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3668E-03	-7.5 TO 7.5	0.1881E-03	82.5- 97.5	0.1805E-03	0	0- 15	0.1852E-03	90-105	0.1852E-03
15-30.00	0.1075E-02	-7.5 TO 7.5	0.1786E-03	82.5- 97.5	0.1625E-03	15	0- 15	0.1869E-03	90-105	0.1744E-03
30-45.00	0.1711E-02	-7.5 TO 7.5	0.1513E-03	82.5- 97.5	0.1302E-03	30	0- 15	0.1687E-03	90-105	0.1472E-03
45-60.00	0.2229E-02	-7.5 TO 7.5	0.1100E-03	82.5- 97.5	0.8938E-04	45	0- 15	0.1333E-03	90-105	0.1090E-03
60-75.00	0.2596E-02	-7.5 TO 7.5	0.6132E-04	82.5- 97.5	0.4579E-04	60	0- 15	0.8675E-04	90-105	0.6598E-04
75-87.71	0.2355E-02	-7.5 TO 7.5	0.1627E-04	82.5- 97.5	0.8365E-05	75	0- 15	0.3657E-04	90-105	0.2324E-04
0-15.00	0.7336E-03	-7.5 TO 22.5	0.1879E-03	82.5-112.5	0.1795E-03	0	0- 30	0.3704E-03	90-120	0.3704E-03
15-30.00	0.2151E-02	-7.5 TO 22.5	0.1783E-03	82.5-112.5	0.1606E-03	15	0- 30	0.3731E-03	90-120	0.3460E-03
30-45.00	0.3421E-02	-7.5 TO 22.5	0.1510E-03	82.5-112.5	0.1278E-03	30	0- 30	0.3361E-03	90-120	0.2900E-03
45-60.00	0.4459E-02	-7.5 TO 22.5	0.1096E-03	82.5-112.5	0.8702E-04	45	0- 30	0.2650E-03	90-120	0.2132E-03
60-75.00	0.5192E-02	-7.5 TO 22.5	0.6103E-04	82.5-112.5	0.4409E-04	60	0- 30	0.1721E-03	90-120	0.1280E-03
75-87.71	0.4711E-02	-7.5 TO 22.5	0.1611E-04	82.5-112.5	0.7752E-05	75	0- 30	0.7223E-04	90-120	0.4407E-04
0-15.00	0.1100E-02	-7.5 TO 37.5	0.1876E-03	82.5-127.5	0.1786E-03	0	0- 45	0.5556E-03	90-135	0.5556E-03
15-30.00	0.3226E-02	-7.5 TO 37.5	0.1776E-03	82.5-127.5	0.1587E-03	15	0- 45	0.5577E-03	90-135	0.5153E-03
30-45.00	0.5132E-02	-7.5 TO 37.5	0.1501E-03	82.5-127.5	0.1254E-03	30	0- 45	0.5008E-03	90-135	0.4288E-03
45-60.00	0.6688E-02	-7.5 TO 37.5	0.1088E-03	82.5-127.5	0.8485E-04	45	0- 45	0.3936E-03	90-135	0.3133E-03
60-75.00	0.7788E-02	-7.5 TO 37.5	0.6036E-04	82.5-127.5	0.4253E-04	60	0- 45	0.2549E-03	90-135	0.1866E-03
75-87.71	0.7066E-02	-7.5 TO 37.5	0.1574E-04	82.5-127.5	0.7200E-05	75	0- 45	0.1061E-03	90-135	0.6290E-04
0-15.00	0.1467E-02	-7.5 TO 52.5	0.1872E-03	82.5-142.5	0.1778E-03	0	0- 60	0.7407E-03	90-150	0.7407E-03
15-30.00	0.4301E-02	-7.5 TO 52.5	0.1767E-03	82.5-142.5	0.1570E-03	15	0- 60	0.7403E-03	90-150	0.6826E-03
30-45.00	0.6843E-02	-7.5 TO 52.5	0.1488E-03	82.5-142.5	0.1233E-03	30	0- 60	0.6619E-03	90-150	0.5646E-03
45-60.00	0.8917E-02	-7.5 TO 52.5	0.1074E-03	82.5-142.5	0.8291E-04	45	0- 60	0.5181E-03	90-150	0.4101E-03
60-75.00	0.1038E-01	-7.5 TO 52.5	0.5937E-04	82.5-142.5	0.4115E-04	60	0- 60	0.3340E-03	90-150	0.2426E-03
75-87.71	0.9422E-02	-7.5 TO 52.5	0.1519E-04	82.5-142.5	0.6718E-05	75	0- 60	0.1377E-03	90-150	0.8020E-04
0-15.00	0.1834E-02	-7.5 TO 67.5	0.1866E-03	82.5-157.5	0.1771E-03	0	0- 75	0.9259E-03	90-165	0.9259E-03
15-30.00	0.5377E-02	-7.5 TO 67.5	0.1754E-03	82.5-157.5	0.1556E-03	15	0- 75	0.9203E-03	90-165	0.8486E-03
30-45.00	0.8553E-02	-7.5 TO 67.5	0.1471E-03	82.5-157.5	0.1215E-03	30	0- 75	0.8186E-03	90-165	0.6982E-03
45-60.00	0.1115E-01	-7.5 TO 67.5	0.1058E-03	82.5-157.5	0.8124E-04	45	0- 75	0.6377E-03	90-165	0.5046E-03
60-75.00	0.1298E-01	-7.5 TO 67.5	0.5811E-04	82.5-157.5	0.3997E-04	60	0- 75	0.4088E-03	90-165	0.2968E-03
75-87.71	0.1178E-01	-7.5 TO 67.5	0.1451E-04	82.5-157.5	0.6311E-05	75	0- 75	0.1665E-03	90-165	0.9648E-04
0-15.00	0.2201E-02	-7.5 TO 82.5	0.1859E-03	82.5-172.5	0.1765E-03	0	0- 90	0.1111E-02	90-180	0.1111E-02
15-30.00	0.6452E-02	-7.5 TO 82.5	0.1739E-03	82.5-172.5	0.1544E-03	15	0- 90	0.1098E-02	90-180	0.1014E-02
30-45.00	0.1026E-01	-7.5 TO 82.5	0.1452E-03	82.5-172.5	0.1200E-03	30	0- 90	0.9705E-03	90-180	0.8308E-03
45-60.00	0.1338E-01	-7.5 TO 82.5	0.1039E-03	82.5-172.5	0.7987E-04	45	0- 90	0.7520E-03	90-180	0.5980E-03
60-75.00	0.1558E-01	-7.5 TO 82.5	0.5667E-04	82.5-172.5	0.3901E-04	60	0- 90	0.4792E-03	90-180	0.3501E-03
75-87.71	0.1413E-01	-7.5 TO 82.5	0.1374E-04	82.5-172.5	0.5983E-05	75	0- 90	0.1924E-03	90-180	0.1123E-03
0-15.00	0.2568E-02	-7.5 TO 97.5	0.1851E-03	82.5-187.5	0.1760E-03	0	0-105	0.1296E-02	90-195	0.1296E-02
15-30.00	0.7528E-02	-7.5 TO 97.5	0.1723E-03	82.5-187.5	0.1535E-03	15	0-105	0.1272E-02	90-195	0.1179E-02
30-45.00	0.1157E-01	-7.5 TO 97.5	0.1430E-03	82.5-187.5	0.1189E-03	30	0-105	0.1118E-02	90-195	0.9633E-03
45-60.00	0.1561E-01	-7.5 TO 97.5	0.1018E-03	82.5-187.5	0.7881E-04	45	0-105	0.8610E-03	90-195	0.6914E-03
60-75.00	0.1817E-01	-7.5 TO 97.5	0.5512E-04	82.5-187.5	0.3827E-04	60	0-105	0.5452E-03	90-195	0.4034E-03
75-87.71	0.1649E-01	-7.5 TO 97.5	0.1298E-04	82.5-187.5	0.5734E-05	75	0-105	0.2157E-03	90-195	0.1280E-03

$r_2/r_1 = 0.60$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0320$ $\cosh \mu_2 = 8.2800$ $\alpha_{2,max} = 92.29$ $\theta_{2,min} = 80.79$

0-15.00	0.3668E-03	-7.5 TO 7.5	0.1881E-03	82.5- 97.5	0.1805E-03	0	0- 15	0.1852E-03	90-105	0.1852E-03
15-30.00	0.1075E-02	-7.5 TO 7.5	0.1786E-03	82.5- 97.5	0.1625E-03	15	0- 15	0.1869E-03	90-105	0.1744E-03
30-45.00	0.1711E-02	-7.5 TO 7.5	0.1513E-03	82.5- 97.5	0.1302E-03	30	0- 15	0.1687E-03	90-105	0.1472E-03
45-60.00	0.2229E-02	-7.5 TO 7.5	0.1100E-03	82.5- 97.5	0.8938E-04	45	0- 15	0.1333E-03	90-105	0.1090E-03
60-75.00	0.2596E-02	-7.5 TO 7.5	0.6138E-04	82.5- 97.5	0.4579E-04	60	0- 15	0.8681E-04	90-105	0.6598E-04
75-87.71	0.2355E-02	-7.5 TO 7.5	0.1630E-04	82.5- 97.5	0.8365E-05	75	0- 15	0.3662E-04	90-105	0.2324E-04
0-15.00	0.7336E-03	-7.5 TO 22.5	0.1879E-03	82.5-112.5	0.1795E-03	0	0- 30	0.3704E-03	90-120	0.3704E-03
15-30.00	0.2151E-02	-7.5 TO 22.5	0.1783E-03	82.5-112.5	0.1606E-03	15	0- 30	0.3731E-03	90-120	0.3460E-03
30-45.00	0.3421E-02	-7.5 TO 22.5	0.1510E-03	82.5-112.5	0.1278E-03	30	0- 30	0.3361E-03	90-120	0.2900E-03
45-60.00	0.4459E-02	-7.5 TO 22.5	0.1096E-03	82.5-112.5	0.8702E-04	45	0- 30	0.2650E-03	90-120	0.2132E-03
60-75.00	0.5192E-02	-7.5 TO 22.5	0.6108E-04	82.5-112.5	0.4409E-04	60	0- 30	0.1722E-03	90-120	0.1280E-03
75-87.71	0.4711E-02	-7.5 TO 22.5	0.1613E-04	82.5-112.5	0.7752E-05	75	0- 30	0.7230E-04	90-120	0.4407E-04
0-15.00	0.1100E-02	-7.5 TO 37.5	0.1876E-03	82.5-127.5	0.1786E-03	0	0- 45	0.5556E-03	90-135	0.5556E-03
15-30.00	0.3226E-02	-7.5 TO 37.5	0.1776E-03	82.5-127.5	0.1587E-03	15	0- 45	0.5577E-03	90-135	0.5153E-03
30-45.00	0.5132E-02	-7.5 TO 37.5	0.1501E-03	82.5-127.5	0.1254E-03	30	0- 45	0.5008E-03	90-135	0.4288E-03
45-60.00	0.6688E-02	-7.5 TO 37.5	0.1088E-03	82.5-127.5	0.8485E-04	45	0- 45	0.3937E-03	90-135	0.3133E-03
60-75.00	0.7788E-02	-7.5 TO 37.5	0.6040E-04	82.5-127.5	0.4253E-04	60	0- 45	0.2550E-03	90-135	0.1866E-03
75-87.71	0.7066E-02	-7.5 TO 37.5	0.1576E-04	82.5-127.5	0.7200E-05	75	0- 45	0.1062E-03	90-135	0.6290E-04
0-15.00	0.1467E-02	-7.5 TO 52.5	0.1872E-03	82.5-142.5	0.1778E-03	0	0- 60	0.7407E-03	90-150	0.7407E-03
15-30.00	0.4301E-02	-7.5 TO 52.5	0.1767E-03	82.5-142.5	0.1570E-03	15	0- 60	0.7403E-03	90-150	0.6826E-03
30-45.00	0.6843E-02	-7.5 TO 52.5	0.1488E-03	82.5-142.5	0.1233E-03	30	0- 60	0.6619E-03	90-150	0.5646E-03
45-60.00	0.8917E-02	-7.5 TO 52.5	0.1075E-03	82.5-142.5	0.8291E-04	45	0- 60	0.5181E-03	90-150	0.4101E-03
60-75.00	0.1038E-01	-7.5 TO 52.5	0.5940E-04	82.5-142.5	0.4115E-04	60	0- 60	0.3341E-03	90-150	0.2426E-03
75-87.71	0.9422E-02	-7.5 TO 52.5	0.1521E-04	82.5-142.5	0.6718E-05	75	0- 60	0.1378E-03	90-150	0.8020E-04
0-15.00	0.1834E-02	-7.5 TO 67.5	0.1866E-03	82.5-157.5	0.1771E-03	0	0- 75	0.9259E-03	90-165	0.9259E-03
15-30.00	0.5377E-02	-7.5 TO 67.5	0.1754E-03	82.5-157.5	0.1556E-03	15	0- 75	0.9203E-03	90-165	0.8486E-03
30-45.00	0.8553E-02	-7.5 TO 67.5	0.1471E-03	82.5-157.5	0.1215E-03	30	0- 75	0.8186E-03	90-165	0.6982E-03
45-60.00	0.1115E-01	-7.5 TO 67.5	0.1058E-03	82.5-157.5	0.8124E-04	45	0- 75	0.6377E-03	90-165	0.5046E-03
60-75.00	0.1298E-01	-7.5 TO 67.5	0.5814E-04	82.5-157.5	0.3997E-04	60	0- 75	0.4089E-03	90-165	0.2968E-03
75-87.71	0.1178E-01	-7.5 TO 67.5	0.1452E-04	82.5-157.5	0.6311E-05	75	0- 75	0.1666E-03	90-165	0.9648E-04
0-15.00	0.2201E-02	-7.5 TO 82.5	0.1859E-03	82.5-172.5	0.1765E-03	0	0- 90	0.1111E-02	90-180	0.1111E-02
15-30.00	0.6452E-02	-7.5 TO 82.5	0.1739E-03	82.5-172.5	0.1544E-03	15	0- 90	0.1098E-02	90-180	0.1014E-02
30-45.00	0.1026E-01	-7.5 TO 82.5	0.1452E-03	82.5-172.5	0.1200E-03	30	0- 90	0.9705E-03	90-180	0.8308E-03
45-60.00	0.1338E-01	-7.5 TO 82.5	0.1039E-03	82.5-172.5	0.7987E-04	45	0- 90	0.7520E-03	90-180	0.5980E-03
60-75.00	0.1558E-01	-7.5 TO 82.5	0.5669E-04	82.5-172.5	0.3901E-04	60	0- 90	0.4793E-03	90-180	0.3501E-03
75-87.71	0.1413E-01	-7.5 TO 82.5	0.1375E-04	82.5-172.5	0.5983E-05	75	0- 90	0.1925E-03	90-180	0.1123E-03
0-15.00	0.2568E-02	-7.5 TO 97.5	0.1851E-03	82.5-187.5	0.1760E-03	0	0-105	0.1296E-02	90-195	0.1296E-02
15-30.00	0.7528E-02	-7.5 TO 97.5	0.1723E-03	82.5-187.5	0.1535E-03	15	0-105	0.1272E-02	90-195	0.1179E-02
30-45.00	0.1157E-01	-7.5 TO 97.5	0.1430E-03	82.5-187.5	0.1189E-03	30	0-105	0.1118E-02	90-195	0.9633E-03
45-60.00	0.1561E-01	-7.5 TO 97.5	0.1018E-03	82.5-187.5	0.7881E-04	45	0-105	0.8610E-03	90-195	0.6914E-03
60-75.00	0.1817E-01	-7.5 TO 97.5	0.5513E-04	82.5-187.5	0.3827E-04	60	0-105	0.5453E-03	90-195	0.4034E-03
75-87.71	0.1649E-01	-7.5 TO 97.5	0.1299E-04	82.5-187.5	0.5734E-05	75	0-105	0.2158E-03	90-195	0.1280E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0160$ $\cosh \mu_2 = 16.6400$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.08$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8582E-04	-7.5 TO 7.5	0.2908E-05	82.5- 97.5	0.2899E-05	0	0- 15	0.2961E-05	90-105	0.2961E-05
15-30.00	0.2633E-03	-7.5 TO 7.5	0.2678E-05	82.5- 97.5	0.2660E-05	15	0- 15	0.2850E-05	90-105	0.2836E-05
30-45.00	0.4189E-03	-7.5 TO 7.5	0.2237E-05	82.5- 97.5	0.2213E-05	30	0- 15	0.2506E-05	90-105	0.2482E-05
45-60.00	0.5459E-03	-7.5 TO 7.5	0.1639E-05	82.5- 97.5	0.1613E-05	45	0- 15	0.1972E-05	90-105	0.1943E-05
60-75.00	0.6357E-03	-7.5 TO 7.5	0.9474E-06	82.5- 97.5	0.9247E-06	60	0- 15	0.1311E-05	90-105	0.1283E-05
75-88.85	0.6255E-03	-7.5 TO 7.5	0.2628E-06	82.5- 97.5	0.2472E-06	75	0- 15	0.5919E-06	90-105	0.5694E-06
0-15.00	0.1796E-03	-7.5 TO 22.5	0.2907E-05	82.5-112.5	0.2898E-05	0	0- 30	0.5922E-05	90-120	0.5922E-05
15-30.00	0.5267E-03	-7.5 TO 22.5	0.2677E-05	82.5-112.5	0.2658E-05	15	0- 30	0.5699E-05	90-120	0.5669E-05
30-45.00	0.8378E-03	-7.5 TO 22.5	0.2237E-05	82.5-112.5	0.2210E-05	30	0- 30	0.5010E-05	90-120	0.4958E-05
45-60.00	0.1092E-02	-7.5 TO 22.5	0.1638E-05	82.5-112.5	0.1610E-05	45	0- 30	0.3942E-05	90-120	0.3880E-05
60-75.00	0.1271E-02	-7.5 TO 22.5	0.9470E-06	82.5-112.5	0.9218E-06	60	0- 30	0.2621E-05	90-120	0.2561E-05
75-88.85	0.1259E-02	-7.5 TO 22.5	0.2625E-06	82.5-112.5	0.2452E-06	75	0- 30	0.1182E-05	90-120	0.1134E-05
0-15.00	0.2695E-03	-7.5 TO 37.5	0.2907E-05	82.5-127.5	0.2897E-05	0	0- 45	0.8883E-05	90-135	0.8883E-05
15-30.00	0.7900E-03	-7.5 TO 37.5	0.2677E-05	82.5-127.5	0.2656E-05	15	0- 45	0.8546E-05	90-135	0.8500E-05
30-45.00	0.1257E-02	-7.5 TO 37.5	0.2236E-05	82.5-127.5	0.2207E-05	30	0- 45	0.7512E-05	90-135	0.7430E-05
45-60.00	0.1638E-02	-7.5 TO 37.5	0.1637E-05	82.5-127.5	0.1606E-05	45	0- 45	0.5909E-05	90-135	0.5811E-05
60-75.00	0.1907E-02	-7.5 TO 37.5	0.9461E-06	82.5-127.5	0.9190E-06	60	0- 45	0.3928E-05	90-135	0.3832E-05
75-88.85	0.1889E-02	-7.5 TO 37.5	0.2619E-06	82.5-127.5	0.2433E-06	75	0- 45	0.1770E-05	90-135	0.1694E-05
0-15.00	0.3593E-03	-7.5 TO 52.5	0.2907E-05	82.5-142.5	0.2896E-05	0	0- 60	0.1184E-04	90-150	0.1184E-04
15-30.00	0.1053E-02	-7.5 TO 52.5	0.2676E-05	82.5-142.5	0.2654E-05	15	0- 60	0.1139E-04	90-150	0.1133E-04
30-45.00	0.1676E-02	-7.5 TO 52.5	0.2234E-05	82.5-142.5	0.2204E-05	30	0- 60	0.1001E-04	90-150	0.9897E-05
45-60.00	0.2184E-02	-7.5 TO 52.5	0.1636E-05	82.5-142.5	0.1603E-05	45	0- 60	0.7872E-05	90-150	0.7737E-05
60-75.00	0.2543E-02	-7.5 TO 52.5	0.9448E-06	82.5-142.5	0.9165E-06	60	0- 60	0.5229E-05	90-150	0.5099E-05
75-88.85	0.2518E-02	-7.5 TO 52.5	0.2610E-06	82.5-142.5	0.2416E-06	75	0- 60	0.2354E-05	90-150	0.2250E-05
0-15.00	0.4491E-03	-7.5 TO 67.5	0.2906E-05	82.5-157.5	0.2896E-05	0	0- 75	0.1481E-04	90-165	0.1481E-04
15-30.00	0.1317E-02	-7.5 TO 67.5	0.2674E-05	82.5-157.5	0.2652E-05	15	0- 75	0.1423E-04	90-165	0.1415E-04
30-45.00	0.2094E-02	-7.5 TO 67.5	0.2233E-05	82.5-157.5	0.2202E-05	30	0- 75	0.1250E-04	90-165	0.1236E-04
45-60.00	0.2730E-02	-7.5 TO 67.5	0.1634E-05	82.5-157.5	0.1601E-05	45	0- 75	0.9828E-05	90-165	0.9660E-05
60-75.00	0.3179E-02	-7.5 TO 67.5	0.9430E-06	82.5-157.5	0.9143E-06	60	0- 75	0.6525E-05	90-165	0.6363E-05
75-88.85	0.3148E-02	-7.5 TO 67.5	0.2598E-06	82.5-157.5	0.2400E-06	75	0- 75	0.2934E-05	90-165	0.2804E-05
0-15.00	0.5389E-03	-7.5 TO 82.5	0.2905E-05	82.5-172.5	0.2895E-05	0	0- 90	0.1777E-04	90-180	0.1777E-04
15-30.00	0.1580E-02	-7.5 TO 82.5	0.2673E-05	82.5-172.5	0.2651E-05	15	0- 90	0.1707E-04	90-180	0.1698E-04
30-45.00	0.2513E-02	-7.5 TO 82.5	0.2230E-05	82.5-172.5	0.2200E-05	30	0- 90	0.1499E-04	90-180	0.1483E-04
45-60.00	0.3275E-02	-7.5 TO 82.5	0.1631E-05	82.5-172.5	0.1599E-05	45	0- 90	0.1178E-04	90-180	0.1158E-04
60-75.00	0.3814E-02	-7.5 TO 82.5	0.9409E-06	82.5-172.5	0.9124E-06	60	0- 90	0.7815E-05	90-180	0.7625E-05
75-88.85	0.3777E-02	-7.5 TO 82.5	0.2584E-06	82.5-172.5	0.2388E-06	75	0- 90	0.3509E-05	90-180	0.3357E-05
0-15.00	0.6287E-03	-7.5 TO 97.5	0.2904E-05	82.5-187.5	0.2894E-05	0	0-105	0.2073E-04	90-195	0.2073E-04
15-30.00	0.1843E-02	-7.5 TO 97.5	0.2671E-05	82.5-187.5	0.2649E-05	15	0-105	0.1991E-04	90-195	0.1981E-04
30-45.00	0.2932E-02	-7.5 TO 97.5	0.2228E-05	82.5-187.5	0.2198E-05	30	0-105	0.1747E-04	90-195	0.1729E-04
45-60.00	0.3821E-02	-7.5 TO 97.5	0.1629E-05	82.5-187.5	0.1597E-05	45	0-105	0.1372E-04	90-195	0.1350E-04
60-75.00	0.4450E-02	-7.5 TO 97.5	0.9386E-06	82.5-187.5	0.9110E-06	60	0-105	0.9099E-05	90-195	0.8887E-05
75-88.85	0.4407E-02	-7.5 TO 97.5	0.2568E-06	82.5-187.5	0.2378E-06	75	0-105	0.4078E-05	90-195	0.3909E-05

$r_2/r_1 = 0.60$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0160$ $\cosh \mu_2 = 16.6400$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 148.23$

0-15.00	0.8582E-04	-7.5 TO 7.5	0.1081E-04	82.5- 97.5	0.1075E-04	0	0- 15	0.1098E-04	90-105	0.1098E-04
15-30.00	0.2633E-03	-7.5 TO 7.5	0.9993E-05	82.5- 97.5	0.9862E-05	15	0- 15	0.1061E-04	90-105	0.1051E-04
30-45.00	0.4189E-03	-7.5 TO 7.5	0.8385E-05	82.5- 97.5	0.8206E-05	30	0- 15	0.9369E-05	90-105	0.9191E-05
45-60.00	0.5459E-03	-7.5 TO 7.5	0.6171E-05	82.5- 97.5	0.5980E-05	45	0- 15	0.7407E-05	90-105	0.7193E-05
60-75.00	0.6357E-03	-7.5 TO 7.5	0.3596E-05	82.5- 97.5	0.3430E-05	60	0- 15	0.4954E-05	90-105	0.4747E-05
75-88.85	0.6255E-03	-7.5 TO 7.5	0.1031E-05	82.5- 97.5	0.9174E-06	75	0- 15	0.2267E-05	90-105	0.2103E-05
0-15.00	0.1796E-03	-7.5 TO 22.5	0.1081E-04	82.5-112.5	0.1074E-04	0	0- 30	0.2195E-04	90-120	0.2195E-04
15-30.00	0.5267E-03	-7.5 TO 22.5	0.9991E-05	82.5-112.5	0.9845E-05	15	0- 30	0.2121E-04	90-120	0.2099E-04
30-45.00	0.8378E-03	-7.5 TO 22.5	0.8382E-05	82.5-112.5	0.8183E-05	30	0- 30	0.1873E-04	90-120	0.1834E-04
45-60.00	0.1092E-02	-7.5 TO 22.5	0.6168E-05	82.5-112.5	0.5956E-05	45	0- 30	0.1480E-04	90-120	0.1434E-04
60-75.00	0.1271E-02	-7.5 TO 22.5	0.3594E-05	82.5-112.5	0.3408E-05	60	0- 30	0.9896E-05	90-120	0.9449E-05
75-88.85	0.1259E-02	-7.5 TO 22.5	0.1029E-05	82.5-112.5	0.9030E-06	75	0- 30	0.4525E-05	90-120	0.4170E-05
0-15.00	0.2695E-03	-7.5 TO 37.5	0.1081E-04	82.5-127.5	0.1073E-04	0	0- 45	0.3293E-04	90-135	0.3293E-04
15-30.00	0.7900E-03	-7.5 TO 37.5	0.9986E-05	82.5-127.5	0.9829E-05	15	0- 45	0.3181E-04	90-135	0.3146E-04
30-45.00	0.1257E-02	-7.5 TO 37.5	0.8375E-05	82.5-127.5	0.8161E-05	30	0- 45	0.2806E-04	90-135	0.2746E-04
45-60.00	0.1638E-02	-7.5 TO 37.5	0.6160E-05	82.5-127.5	0.5933E-05	45	0- 45	0.2217E-04	90-135	0.2144E-04
60-75.00	0.1907E-02	-7.5 TO 37.5	0.3587E-05	82.5-127.5	0.3388E-05	60	0- 45	0.1481E-04	90-135	0.1411E-04
75-88.85	0.1889E-02	-7.5 TO 37.5	0.1025E-05	82.5-127.5	0.8894E-06	75	0- 45	0.6763E-05	90-135	0.6205E-05
0-15.00	0.3593E-03	-7.5 TO 52.5	0.1080E-04	82.5-142.5	0.1073E-04	0	0- 60	0.4391E-04	90-150	0.4391E-04
15-30.00	0.1053E-02	-7.5 TO 52.5	0.9978E-05	82.5-142.5	0.9815E-05	15	0- 60	0.4238E-04	90-150	0.4191E-04
30-45.00	0.1676E-02	-7.5 TO 52.5	0.8364E-05	82.5-142.5	0.8141E-05	30	0- 60	0.3737E-04	90-150	0.3654E-04
45-60.00	0.2184E-02	-7.5 TO 52.5	0.6149E-05	82.5-142.5	0.5912E-05	45	0- 60	0.2950E-04	90-150	0.2851E-04
60-75.00	0.2543E-02	-7.5 TO 52.5	0.3577E-05	82.5-142.5	0.3370E-05	60	0- 60	0.1970E-04	90-150	0.1874E-04
75-88.85	0.2518E-02	-7.5 TO 52.5	0.1018E-05	82.5-142.5	0.8770E-06	75	0- 60	0.8973E-05	90-150	0.8214E-05
0-15.00	0.4491E-03	-7.5 TO 67.5	0.1080E-04	82.5-157.5	0.1072E-04	0	0- 75	0.5489E-04	90-165	0.5489E-04
15-30.00	0.1317E-02	-7.5 TO 67.5	0.9968E-05	82.5-157.5	0.9802E-05	15	0- 75	0.5294E-04	90-165	0.5235E-04
30-45.00	0.2094E-02	-7.5 TO 67.5	0.8350E-05	82.5-157.5	0.8123E-05	30	0- 75	0.4664E-04	90-165	0.4561E-04
45-60.00	0.2730E-02	-7.5 TO 67.5	0.6134E-05	82.5-157.5	0.5893E-05	45	0- 75	0.3679E-04	90-165	0.3555E-04
60-75.00	0.3179E-02	-7.5 TO 67.5	0.3564E-05	82.5-157.5	0.3354E-05	60	0- 75	0.2454E-04	90-165	0.2334E-04
75-88.85	0.3148E-02	-7.5 TO 67.5	0.1009E-05	82.5-157.5	0.8661E-06	75	0- 75	0.1115E-04	90-165	0.1020E-04
0-15.00	0.5389E-03	-7.5 TO 82.5	0.1079E-04	82.5-172.5	0.1071E-04	0	0- 90	0.6586E-04	90-180	0.6586E-04
15-30.00	0.1580E-02	-7.5 TO 82.5	0.9956E-05	82.5-172.5	0.9791E-05	15	0- 90	0.6347E-04	90-180	0.6278E-04
30-45.00	0.2513E-02	-7.5 TO 82.5	0.8334E-05	82.5-172.5	0.8108E-05	30	0- 90	0.5588E-04	90-180	0.5466E-04
45-60.00	0.3275E-02	-7.5 TO 82.5	0.6117E-05	82.5-172.5	0.5878E-05	45	0- 90	0.4404E-04	90-180	0.4258E-04
60-75.00	0.3814E-02	-7.5 TO 82.5	0.3549E-05	82.5-172.5	0.3340E-05	60	0- 90	0.2933E-04	90-180	0.2794E-04
75-88.85	0.3777E-02	-7.5 TO 82.5	0.9985E-06	82.5-172.5	0.8570E-06	75	0- 90	0.1329E-04	90-180	0.1219E-04
0-15.00	0.6287E-03	-7.5 TO 97.5	0.1079E-04	82.5-187.5	0.1071E-04	0	0-105	0.7684E-04	90-195	0.7684E-04
15-30.00	0.1843E-02	-7.5 TO 97.5	0.9942E-05	82.5-187.5	0.9783E-05	15	0-105	0.7398E-04	90-195	0.7321E-04
30-45.00	0.2932E-02	-7.5 TO 97.5	0.8315E-05	82.5-187.5	0.8097E-05	30	0-105	0.6507E-04	90-195	0.6372E-04
45-60.00	0.3821E-02	-7.5 TO 97.5	0.6097E-05	82.5-187.5	0.5866E-05	45	0-105	0.5123E-04	90-195	0.4961E-04
60-75.00	0.4450E-02	-7.5 TO 97.5	0.3532E-05	82.5-187.5	0.3330E-05	60	0-105	0.3408E-04	90-195	0.3253E-04
75-88.85	0.4407E-02	-7.5 TO 97.5	0.9869E-06	82.5-187.5	0.8500E-06	75	0-105	0.1539E-04	90-195	0.1417E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0160$ $\cosh \mu_2 = 16.6400$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 132.51$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8982E-04	-7.5 TO 7.5	0.2145E-04	82.5- 97.5	0.2127E-04	0	0- 15	0.2172E-04	90-105	0.2172E-04
15-30.00	0.2633E-03	-7.5 TO 7.5	0.1991E-04	82.5- 97.5	0.1952E-04	15	0- 15	0.2109E-04	90-105	0.2079E-04
30-45.00	0.4189E-03	-7.5 TO 7.5	0.1678E-04	82.5- 97.5	0.1624E-04	30	0- 15	0.1870E-04	90-105	0.1817E-04
45-60.00	0.5459E-03	-7.5 TO 7.5	0.1240E-04	82.5- 97.5	0.1184E-04	45	0- 15	0.1485E-04	90-105	0.1421E-04
60-75.00	0.6357E-03	-7.5 TO 7.5	0.7280E-05	82.5- 97.5	0.6792E-05	60	0- 15	0.9987E-05	90-105	0.9377E-05
75-88.85	0.6295E-03	-7.5 TO 7.5	0.2144E-05	82.5- 97.5	0.1818E-05	75	0- 15	0.4625E-05	90-105	0.4149E-05
0-15.00	0.1796E-03	-7.5 TO 22.5	0.2145E-04	82.5-112.5	0.2125E-04	0	0- 30	0.4345E-04	90-120	0.4345E-04
15-30.00	0.5267E-03	-7.5 TO 22.5	0.1990E-04	82.5-112.5	0.1947E-04	15	0- 30	0.4216E-04	90-120	0.4150E-04
30-45.00	0.8378E-03	-7.5 TO 22.5	0.1677E-04	82.5-112.5	0.1617E-04	30	0- 30	0.3737E-04	90-120	0.3622E-04
45-60.00	0.1092E-02	-7.5 TO 22.5	0.1239E-04	82.5-112.5	0.1177E-04	45	0- 30	0.2966E-04	90-120	0.2829E-04
60-75.00	0.1271E-02	-7.5 TO 22.5	0.7272E-05	82.5-112.5	0.6730E-05	60	0- 30	0.1994E-04	90-120	0.1862E-04
75-88.85	0.1259E-02	-7.5 TO 22.5	0.2139E-05	82.5-112.5	0.1778E-05	75	0- 30	0.9222E-05	90-120	0.8195E-05
0-15.00	0.2695E-03	-7.5 TO 37.5	0.2144E-04	82.5-127.5	0.2123E-04	0	0- 45	0.6517E-04	90-135	0.6517E-04
15-30.00	0.7900E-03	-7.5 TO 37.5	0.1989E-04	82.5-127.5	0.1942E-04	15	0- 45	0.6319E-04	90-135	0.6216E-04
30-45.00	0.1257E-02	-7.5 TO 37.5	0.1675E-04	82.5-127.5	0.1611E-04	30	0- 45	0.5598E-04	90-135	0.5417E-04
45-60.00	0.1638E-02	-7.5 TO 37.5	0.1237E-04	82.5-127.5	0.1170E-04	45	0- 45	0.4440E-04	90-135	0.4223E-04
60-75.00	0.1907E-02	-7.5 TO 37.5	0.7253E-05	82.5-127.5	0.6672E-05	60	0- 45	0.2981E-04	90-135	0.2775E-04
75-88.85	0.1889E-02	-7.5 TO 37.5	0.2126E-05	82.5-127.5	0.1739E-05	75	0- 45	0.1376E-04	90-135	0.1215E-04
0-15.00	0.3593E-03	-7.5 TO 52.5	0.2143E-04	82.5-142.5	0.2120E-04	0	0- 60	0.8690E-04	90-150	0.8690E-04
15-30.00	0.1053E-02	-7.5 TO 52.5	0.1986E-04	82.5-142.5	0.1938E-04	15	0- 60	0.8418E-04	90-150	0.8277E-04
30-45.00	0.1676E-02	-7.5 TO 52.5	0.1671E-04	82.5-142.5	0.1605E-04	30	0- 60	0.7450E-04	90-150	0.7203E-04
45-60.00	0.2184E-02	-7.5 TO 52.5	0.1234E-04	82.5-142.5	0.1164E-04	45	0- 60	0.5903E-04	90-150	0.5608E-04
60-75.00	0.2543E-02	-7.5 TO 52.5	0.7223E-05	82.5-142.5	0.6618E-05	60	0- 60	0.3959E-04	90-150	0.3677E-04
75-88.85	0.2518E-02	-7.5 TO 52.5	0.2106E-05	82.5-142.5	0.1704E-05	75	0- 60	0.1822E-04	90-150	0.1603E-04
0-15.00	0.4491E-03	-7.5 TO 67.5	0.2142E-04	82.5-157.5	0.2119E-04	0	0- 75	0.1086E-03	90-165	0.1086E-03
15-30.00	0.1317E-02	-7.5 TO 67.5	0.1983E-04	82.5-157.5	0.1934E-04	15	0- 75	0.1051E-03	90-165	0.1033E-03
30-45.00	0.2094E-02	-7.5 TO 67.5	0.1667E-04	82.5-157.5	0.1600E-04	30	0- 75	0.9291E-04	90-165	0.8983E-04
45-60.00	0.2730E-02	-7.5 TO 67.5	0.1229E-04	82.5-157.5	0.1158E-04	45	0- 75	0.7354E-04	90-165	0.6985E-04
60-75.00	0.3179E-02	-7.5 TO 67.5	0.7185E-05	82.5-157.5	0.6572E-05	60	0- 75	0.4924E-04	90-165	0.4574E-04
75-88.85	0.3148E-02	-7.5 TO 67.5	0.2081E-05	82.5-157.5	0.1674E-05	75	0- 75	0.2258E-04	90-165	0.1986E-04
0-15.00	0.5389E-03	-7.5 TO 82.5	0.2140E-04	82.5-172.5	0.2117E-04	0	0- 90	0.1303E-03	90-180	0.1303E-03
15-30.00	0.1580E-02	-7.5 TO 82.5	0.1980E-04	82.5-172.5	0.1931E-04	15	0- 90	0.1260E-03	90-180	0.1239E-03
30-45.00	0.2513E-02	-7.5 TO 82.5	0.1662E-04	82.5-172.5	0.1595E-04	30	0- 90	0.1112E-03	90-180	0.1076E-03
45-60.00	0.3275E-02	-7.5 TO 82.5	0.1224E-04	82.5-172.5	0.1154E-04	45	0- 90	0.8790E-04	90-180	0.8359E-04
60-75.00	0.3814E-02	-7.5 TO 82.5	0.7140E-05	82.5-172.5	0.6533E-05	60	0- 90	0.5876E-04	90-180	0.5466E-04
75-88.85	0.3777E-02	-7.5 TO 82.5	0.2051E-05	82.5-172.5	0.1649E-05	75	0- 90	0.2684E-04	90-180	0.2366E-04
0-15.00	0.6287E-03	-7.5 TO 97.5	0.2138E-04	82.5-187.5	0.2116E-04	0	0-105	0.1521E-03	90-195	0.1521E-03
15-30.00	0.1843E-02	-7.5 TO 97.5	0.1976E-04	82.5-187.5	0.1928E-04	15	0-105	0.1467E-03	90-195	0.1445E-03
30-45.00	0.2532E-02	-7.5 TO 97.5	0.1657E-04	82.5-187.5	0.1592E-04	30	0-105	0.1294E-03	90-195	0.1254E-03
45-60.00	0.3821E-02	-7.5 TO 97.5	0.1219E-04	82.5-187.5	0.1150E-04	45	0-105	0.1021E-03	90-195	0.9733E-04
60-75.00	0.4450E-02	-7.5 TO 97.5	0.7091E-05	82.5-187.5	0.6503E-05	60	0-105	0.6814E-04	90-195	0.6359E-04
75-88.85	0.4407E-02	-7.5 TO 97.5	0.2018E-05	82.5-187.5	0.1629E-05	75	0-105	0.3099E-04	90-195	0.2746E-04

$r_2/r_1 = 0.60$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0160$ $\cosh \mu_2 = 16.6400$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 116.97$

0-15.00	0.8982E-04	-7.5 TO 7.5	0.3184E-04	82.5- 97.5	0.3148E-04	0	0- 15	0.3215E-04	90-105	0.3215E-04
15-30.00	0.2633E-03	-7.5 TO 7.5	0.2967E-04	82.5- 97.5	0.2889E-04	15	0- 15	0.3135E-04	90-105	0.3074E-04
30-45.00	0.4189E-03	-7.5 TO 7.5	0.2510E-04	82.5- 97.5	0.2404E-04	30	0- 15	0.2792E-04	90-105	0.2686E-04
45-60.00	0.5459E-03	-7.5 TO 7.5	0.1864E-04	82.5- 97.5	0.1753E-04	45	0- 15	0.2227E-04	90-105	0.2100E-04
60-75.00	0.6357E-03	-7.5 TO 7.5	0.1101E-04	82.5- 97.5	0.1006E-04	60	0- 15	0.1505E-04	90-105	0.1385E-04
75-88.85	0.6295E-03	-7.5 TO 7.5	0.3309E-05	82.5- 97.5	0.2696E-05	75	0- 15	0.7035E-05	90-105	0.6125E-05
0-15.00	0.1796E-03	-7.5 TO 22.5	0.3184E-04	82.5-112.5	0.3143E-04	0	0- 30	0.6429E-04	90-120	0.6429E-04
15-30.00	0.5267E-03	-7.5 TO 22.5	0.2965E-04	82.5-112.5	0.2879E-04	15	0- 30	0.6266E-04	90-120	0.6135E-04
30-45.00	0.8378E-03	-7.5 TO 22.5	0.2508E-04	82.5-112.5	0.2390E-04	30	0- 30	0.5578E-04	90-120	0.5348E-04
45-60.00	0.1092E-02	-7.5 TO 22.5	0.1862E-04	82.5-112.5	0.1739E-04	45	0- 30	0.4446E-04	90-120	0.4173E-04
60-75.00	0.1271E-02	-7.5 TO 22.5	0.1099E-04	82.5-112.5	0.9940E-05	60	0- 30	0.3002E-04	90-120	0.2744E-04
75-88.85	0.1259E-02	-7.5 TO 22.5	0.3298E-05	82.5-112.5	0.2621E-05	75	0- 30	0.1401E-04	90-120	0.1205E-04
0-15.00	0.2695E-03	-7.5 TO 37.5	0.3182E-04	82.5-127.5	0.3139E-04	0	0- 45	0.9644E-04	90-135	0.9644E-04
15-30.00	0.7900E-03	-7.5 TO 37.5	0.2962E-04	82.5-127.5	0.2869E-04	15	0- 45	0.9390E-04	90-135	0.9183E-04
30-45.00	0.1257E-02	-7.5 TO 37.5	0.2504E-04	82.5-127.5	0.2378E-04	30	0- 45	0.8352E-04	90-135	0.7990E-04
45-60.00	0.1638E-02	-7.5 TO 37.5	0.1858E-04	82.5-127.5	0.1725E-04	45	0- 45	0.6650E-04	90-135	0.6221E-04
60-75.00	0.1907E-02	-7.5 TO 37.5	0.1095E-04	82.5-127.5	0.9828E-05	60	0- 45	0.4485E-04	90-135	0.4081E-04
75-88.85	0.1889E-02	-7.5 TO 37.5	0.3273E-05	82.5-127.5	0.2550E-05	75	0- 45	0.2088E-04	90-135	0.1781E-04
0-15.00	0.3593E-03	-7.5 TO 52.5	0.3180E-04	82.5-142.5	0.3134E-04	0	0- 60	0.1286E-03	90-150	0.1286E-03
15-30.00	0.1053E-02	-7.5 TO 52.5	0.2958E-04	82.5-142.5	0.2860E-04	15	0- 60	0.1250E-03	90-150	0.1222E-03
30-45.00	0.1676E-02	-7.5 TO 52.5	0.2498E-04	82.5-142.5	0.2366E-04	30	0- 60	0.1111E-03	90-150	0.1061E-03
45-60.00	0.2184E-02	-7.5 TO 52.5	0.1851E-04	82.5-142.5	0.1713E-04	45	0- 60	0.8834E-04	90-150	0.8248E-04
60-75.00	0.2543E-02	-7.5 TO 52.5	0.1090E-04	82.5-142.5	0.9725E-05	60	0- 60	0.5949E-04	90-150	0.5398E-04
75-88.85	0.2518E-02	-7.5 TO 52.5	0.3236E-05	82.5-142.5	0.2486E-05	75	0- 60	0.2760E-04	90-150	0.2343E-04
0-15.00	0.4491E-03	-7.5 TO 67.5	0.3177E-04	82.5-157.5	0.3131E-04	0	0- 75	0.1607E-03	90-165	0.1607E-03
15-30.00	0.1317E-02	-7.5 TO 67.5	0.2952E-04	82.5-157.5	0.2853E-04	15	0- 75	0.1561E-03	90-165	0.1525E-03
30-45.00	0.2094E-02	-7.5 TO 67.5	0.2490E-04	82.5-157.5	0.2356E-04	30	0- 75	0.1384E-03	90-165	0.1323E-03
45-60.00	0.2730E-02	-7.5 TO 67.5	0.1843E-04	82.5-157.5	0.1703E-04	45	0- 75	0.1099E-03	90-165	0.1026E-03
60-75.00	0.3179E-02	-7.5 TO 67.5	0.1082E-04	82.5-157.5	0.9636E-05	60	0- 75	0.7388E-04	90-165	0.6703E-04
75-88.85	0.3148E-02	-7.5 TO 67.5	0.3188E-05	82.5-157.5	0.2430E-05	75	0- 75	0.3413E-04	90-165	0.2896E-04
0-15.00	0.5389E-03	-7.5 TO 82.5	0.3174E-04	82.5-172.5	0.3128E-04	0	0- 90	0.1929E-03	90-180	0.1929E-03
15-30.00	0.1580E-02	-7.5 TO 82.5	0.2944E-04	82.5-172.5	0.2846E-04	15	0- 90	0.1869E-03	90-180	0.1828E-03
30-45.00	0.2513E-02	-7.5 TO 82.5	0.2480E-04	82.5-172.5	0.2347E-04	30	0- 90	0.1655E-03	90-180	0.1583E-03
45-60.00	0.3275E-02	-7.5 TO 82.5	0.1832E-04	82.5-172.5	0.1694E-04	45	0- 90	0.1312E-03	90-180	0.1227E-03
60-75.00	0.3814E-02	-7.5 TO 82.5	0.1073E-04	82.5-172.5	0.9562E-05	60	0- 90	0.8800E-04	90-180	0.8000E-04
75-88.85	0.3777E-02	-7.5 TO 82.5	0.3131E-05	82.5-172.5	0.2384E-05	75	0- 90	0.4046E-04	90-180	0.3443E-04
0-15.00	0.6287E-03	-7.5 TO 97.5	0.3170E-04	82.5-187.5	0.3125E-04	0	0-105	0.2250E-03	90-195	0.2250E-03
15-30.00	0.1843E-02	-7.5 TO 97.5	0.2936E-04	82.5-187.5	0.2841E-04	15	0-105	0.2177E-03	90-195	0.2131E-03
30-45.00	0.2532E-02	-7.5 TO 97.5	0.2469E-04	82.5-187.5	0.2340E-04	30	0-105	0.1924E-03	90-195	0.1844E-03
45-60.00	0.3821E-02	-7.5 TO 97.5	0.1821E-04	82.5-187.5	0.1687E-04	45	0-105	0.1522E-03	90-195	0.1427E-03
60-75.00	0.4450E-02	-7.5 TO 97.5	0.1064E-04	82.5-187.5	0.9505E-05	60	0-105	0.1019E-03	90-195	0.9298E-04
75-88.85	0.4407E-02	-7.5 TO 97.5	0.3069E-05	82.5-187.5	0.2348E-05	75	0-105	0.4659E-04	90-195	0.3990E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0160$ $\cosh \mu_2 = 16.6400$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 101.65$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8982E-04	-7.5 TO 7.5	0.3913E-04	82.5- 97.5	0.3855E-04	0	0- 15	0.3937E-04	90-105	0.3937E-04
15-30.00	0.2633E-03	-7.5 TO 7.5	0.3662E-04	82.5- 97.5	0.3538E-04	15	0- 15	0.3859E-04	90-105	0.3763E-04
30-45.00	0.4189E-03	-7.5 TO 7.5	0.3112E-04	82.5- 97.5	0.2945E-04	30	0- 15	0.3454E-04	90-105	0.3286E-04
45-60.00	0.5459E-03	-7.5 TO 7.5	0.2321E-04	82.5- 97.5	0.2148E-04	45	0- 15	0.2767E-04	90-105	0.2569E-04
60-75.00	0.6357E-03	-7.5 TO 7.5	0.1377E-04	82.5- 97.5	0.1233E-04	60	0- 15	0.1877E-04	90-105	0.1694E-04
75-88.85	0.6295E-03	-7.5 TO 7.5	0.4193E-05	82.5- 97.5	0.3308E-05	75	0- 15	0.8836E-05	90-105	0.7485E-05
0-15.00	0.1756E-03	-7.5 TO 22.5	0.3912E-04	82.5-112.5	0.3848E-04	0	0- 30	0.7874E-04	90-120	0.7874E-04
15-30.00	0.5267E-03	-7.5 TO 22.5	0.3660E-04	82.5-112.5	0.3522E-04	15	0- 30	0.7712E-04	90-120	0.7504E-04
30-45.00	0.8378E-03	-7.5 TO 22.5	0.3109E-04	82.5-112.5	0.2924E-04	30	0- 30	0.6897E-04	90-120	0.6535E-04
45-60.00	0.1092E-02	-7.5 TO 22.5	0.2318E-04	82.5-112.5	0.2126E-04	45	0- 30	0.5521E-04	90-120	0.5094E-04
60-75.00	0.1271E-02	-7.5 TO 22.5	0.1374E-04	82.5-112.5	0.1215E-04	60	0- 30	0.3743E-04	90-120	0.3347E-04
75-88.85	0.1259E-02	-7.5 TO 22.5	0.4177E-05	82.5-112.5	0.3201E-05	75	0- 30	0.1759E-04	90-120	0.1469E-04
0-15.00	0.2695E-03	-7.5 TO 37.5	0.3910E-04	82.5-127.5	0.3841E-04	0	0- 45	0.1181E-03	90-135	0.1181E-03
15-30.00	0.7900E-03	-7.5 TO 37.5	0.3655E-04	82.5-127.5	0.3507E-04	15	0- 45	0.1156E-03	90-135	0.1123E-03
30-45.00	0.1257E-02	-7.5 TO 37.5	0.3103E-04	82.5-127.5	0.2904E-04	30	0- 45	0.1032E-03	90-135	0.9751E-04
45-60.00	0.1638E-02	-7.5 TO 37.5	0.2311E-04	82.5-127.5	0.2106E-04	45	0- 45	0.8252E-04	90-135	0.7580E-04
60-75.00	0.1907E-02	-7.5 TO 37.5	0.1369E-04	82.5-127.5	0.1198E-04	60	0- 45	0.5587E-04	90-135	0.4966E-04
75-88.85	0.1889E-02	-7.5 TO 37.5	0.4141E-05	82.5-127.5	0.3102E-05	75	0- 45	0.2617E-04	90-135	0.2164E-04
0-15.00	0.3593E-03	-7.5 TO 52.5	0.3907E-04	82.5-142.5	0.3834E-04	0	0- 60	0.1575E-03	90-150	0.1575E-03
15-30.00	0.1053E-02	-7.5 TO 52.5	0.3647E-04	82.5-142.5	0.3494E-04	15	0- 60	0.1538E-03	90-150	0.1493E-03
30-45.00	0.1676E-02	-7.5 TO 52.5	0.3093E-04	82.5-142.5	0.2885E-04	30	0- 60	0.1372E-03	90-150	0.1294E-03
45-60.00	0.2184E-02	-7.5 TO 52.5	0.2301E-04	82.5-142.5	0.2087E-04	45	0- 60	0.1095E-03	90-150	0.1004E-03
60-75.00	0.2543E-02	-7.5 TO 52.5	0.1360E-04	82.5-142.5	0.1183E-04	60	0- 60	0.7401E-04	90-150	0.6557E-04
75-88.85	0.2518E-02	-7.5 TO 52.5	0.4086E-05	82.5-142.5	0.3011E-05	75	0- 60	0.3453E-04	90-150	0.2839E-04
0-15.00	0.4491E-03	-7.5 TO 67.5	0.3902E-04	82.5-157.5	0.3829E-04	0	0- 75	0.1969E-03	90-165	0.1969E-03
15-30.00	0.1317E-02	-7.5 TO 67.5	0.3638E-04	82.5-157.5	0.3482E-04	15	0- 75	0.1919E-03	90-165	0.1863E-03
30-45.00	0.2094E-02	-7.5 TO 67.5	0.3080E-04	82.5-157.5	0.2869E-04	30	0- 75	0.1708E-03	90-165	0.1611E-03
45-60.00	0.2730E-02	-7.5 TO 67.5	0.2287E-04	82.5-157.5	0.2070E-04	45	0- 75	0.1361E-03	90-165	0.1247E-03
60-75.00	0.3179E-02	-7.5 TO 67.5	0.1349E-04	82.5-157.5	0.1170E-04	60	0- 75	0.9177E-04	90-165	0.8127E-04
75-88.85	0.3148E-02	-7.5 TO 67.5	0.4017E-05	82.5-157.5	0.2933E-05	75	0- 75	0.4262E-04	90-165	0.3500E-04
0-15.00	0.5389E-03	-7.5 TO 82.5	0.3897E-04	82.5-172.5	0.3824E-04	0	0- 90	0.2362E-03	90-180	0.2362E-03
15-30.00	0.1580E-02	-7.5 TO 82.5	0.3626E-04	82.5-172.5	0.3471E-04	15	0- 90	0.2297E-03	90-180	0.2232E-03
30-45.00	0.2513E-02	-7.5 TO 82.5	0.3064E-04	82.5-172.5	0.2856E-04	30	0- 90	0.2040E-03	90-180	0.1927E-03
45-60.00	0.3275E-02	-7.5 TO 82.5	0.2271E-04	82.5-172.5	0.2057E-04	45	0- 90	0.1622E-03	90-180	0.1489E-03
60-75.00	0.3814E-02	-7.5 TO 82.5	0.1335E-04	82.5-172.5	0.1159E-04	60	0- 90	0.1091E-03	90-180	0.9688E-04
75-88.85	0.3777E-02	-7.5 TO 82.5	0.3935E-05	82.5-172.5	0.2868E-05	75	0- 90	0.5041E-04	90-180	0.4154E-04
0-15.00	0.6287E-03	-7.5 TO 97.5	0.3891E-04	82.5-187.5	0.3820E-04	0	0-105	0.2756E-03	90-195	0.2756E-03
15-30.00	0.1843E-02	-7.5 TO 97.5	0.3614E-04	82.5-187.5	0.3464E-04	15	0-105	0.2673E-03	90-195	0.2601E-03
30-45.00	0.2932E-02	-7.5 TO 97.5	0.3047E-04	82.5-187.5	0.2845E-04	30	0-105	0.2369E-03	90-195	0.2243E-03
45-60.00	0.3821E-02	-7.5 TO 97.5	0.2254E-04	82.5-187.5	0.2046E-04	45	0-105	0.1879E-03	90-195	0.1731E-03
60-75.00	0.4450E-02	-7.5 TO 97.5	0.1321E-04	82.5-187.5	0.1150E-04	60	0-105	0.1261E-03	90-195	0.1125E-03
75-88.85	0.4407E-02	-7.5 TO 97.5	0.3846E-05	82.5-187.5	0.2818E-05	75	0-105	0.5789E-04	90-195	0.4808E-04

$r_2/r_1 = 0.60$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0160$ $\cosh \mu_2 = 16.6400$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 86.55$

0-15.00	0.8982E-04	-7.5 TO 7.5	0.4145E-04	82.5- 97.5	0.4069E-04	0	0- 15	0.4155E-04	90-105	0.4155E-04
15-30.00	0.2633E-03	-7.5 TO 7.5	0.3898E-04	82.5- 97.5	0.3734E-04	15	0- 15	0.4095E-04	90-105	0.3968E-04
30-45.00	0.4189E-03	-7.5 TO 7.5	0.3329E-04	82.5- 97.5	0.3109E-04	30	0- 15	0.3685E-04	90-105	0.3463E-04
45-60.00	0.5459E-03	-7.5 TO 7.5	0.2494E-04	82.5- 97.5	0.2268E-04	45	0- 15	0.2966E-04	90-105	0.2706E-04
60-75.00	0.6357E-03	-7.5 TO 7.5	0.1485E-04	82.5- 97.5	0.1302E-04	60	0- 15	0.2021E-04	90-105	0.1784E-04
75-88.85	0.6295E-03	-7.5 TO 7.5	0.4547E-05	82.5- 97.5	0.3495E-05	75	0- 15	0.9548E-05	90-105	0.7883E-05
0-15.00	0.1756E-03	-7.5 TO 22.5	0.4144E-04	82.5-112.5	0.4059E-04	0	0- 30	0.8310E-04	90-120	0.8310E-04
15-30.00	0.5267E-03	-7.5 TO 22.5	0.3895E-04	82.5-112.5	0.3714E-04	15	0- 30	0.8183E-04	90-120	0.7908E-04
30-45.00	0.8378E-03	-7.5 TO 22.5	0.3326E-04	82.5-112.5	0.3081E-04	30	0- 30	0.7357E-04	90-120	0.6879E-04
45-60.00	0.1092E-02	-7.5 TO 22.5	0.2490E-04	82.5-112.5	0.2240E-04	45	0- 30	0.5916E-04	90-120	0.5357E-04
60-75.00	0.1271E-02	-7.5 TO 22.5	0.1481E-04	82.5-112.5	0.1280E-04	60	0- 30	0.4027E-04	90-120	0.3518E-04
75-88.85	0.1259E-02	-7.5 TO 22.5	0.4527E-05	82.5-112.5	0.3372E-05	75	0- 30	0.1899E-04	90-120	0.1543E-04
0-15.00	0.2695E-03	-7.5 TO 37.5	0.4141E-04	82.5-127.5	0.4050E-04	0	0- 45	0.1247E-03	90-135	0.1247E-03
15-30.00	0.7900E-03	-7.5 TO 37.5	0.3888E-04	82.5-127.5	0.3694E-04	15	0- 45	0.1226E-03	90-135	0.1182E-03
30-45.00	0.1257E-02	-7.5 TO 37.5	0.3317E-04	82.5-127.5	0.3055E-04	30	0- 45	0.1100E-03	90-135	0.1025E-03
45-60.00	0.1638E-02	-7.5 TO 37.5	0.2481E-04	82.5-127.5	0.2214E-04	45	0- 45	0.8835E-04	90-135	0.7959E-04
60-75.00	0.1907E-02	-7.5 TO 37.5	0.1474E-04	82.5-127.5	0.1259E-04	60	0- 45	0.6004E-04	90-135	0.5209E-04
75-88.85	0.1889E-02	-7.5 TO 37.5	0.4484E-05	82.5-127.5	0.3258E-05	75	0- 45	0.2823E-04	90-135	0.2268E-04
0-15.00	0.3593E-03	-7.5 TO 52.5	0.4136E-04	82.5-142.5	0.4041E-04	0	0- 60	0.1662E-03	90-150	0.1662E-03
15-30.00	0.1053E-02	-7.5 TO 52.5	0.3879E-04	82.5-142.5	0.3676E-04	15	0- 60	0.1631E-03	90-150	0.1572E-03
30-45.00	0.1676E-02	-7.5 TO 52.5	0.3303E-04	82.5-142.5	0.3032E-04	30	0- 60	0.1461E-03	90-150	0.1359E-03
45-60.00	0.2184E-02	-7.5 TO 52.5	0.2467E-04	82.5-142.5	0.2190E-04	45	0- 60	0.1171E-03	90-150	0.1052E-03
60-75.00	0.2543E-02	-7.5 TO 52.5	0.1463E-04	82.5-142.5	0.1241E-04	60	0- 60	0.7941E-04	90-150	0.6865E-04
75-88.85	0.2518E-02	-7.5 TO 52.5	0.4418E-05	82.5-142.5	0.3155E-05	75	0- 60	0.3718E-04	90-150	0.2969E-04
0-15.00	0.4491E-03	-7.5 TO 67.5	0.4130E-04	82.5-157.5	0.4034E-04	0	0- 75	0.2078E-03	90-165	0.2078E-03
15-30.00	0.1317E-02	-7.5 TO 67.5	0.3866E-04	82.5-157.5	0.3661E-04	15	0- 75	0.2033E-03	90-165	0.1960E-03
30-45.00	0.2094E-02	-7.5 TO 67.5	0.3286E-04	82.5-157.5	0.3011E-04	30	0- 75	0.1817E-03	90-165	0.1690E-03
45-60.00	0.2730E-02	-7.5 TO 67.5	0.2449E-04	82.5-157.5	0.2170E-04	45	0- 75	0.1453E-03	90-165	0.1306E-03
60-75.00	0.3179E-02	-7.5 TO 67.5	0.1448E-04	82.5-157.5	0.1225E-04	60	0- 75	0.9830E-04	90-165	0.8497E-04
75-88.85	0.3148E-02	-7.5 TO 67.5	0.4335E-05	82.5-157.5	0.3067E-05	75	0- 75	0.4580E-04	90-165	0.3654E-04
0-15.00	0.5389E-03	-7.5 TO 82.5	0.4123E-04	82.5-172.5	0.4027E-04	0	0- 90	0.2493E-03	90-180	0.2493E-03
15-30.00	0.1580E-02	-7.5 TO 82.5	0.3851E-04	82.5-172.5	0.3648E-04	15	0- 90	0.2433E-03	90-180	0.2347E-03
30-45.00	0.2513E-02	-7.5 TO 82.5	0.3266E-04	82.5-172.5	0.2994E-04	30	0- 90	0.2169E-03	90-180	0.2021E-03
45-60.00	0.3275E-02	-7.5 TO 82.5	0.2428E-04	82.5-172.5	0.2153E-04	45	0- 90	0.1730E-03	90-180	0.1558E-03
60-75.00	0.3814E-02	-7.5 TO 82.5	0.1432E-04	82.5-172.5	0.1211E-04	60	0- 90	0.1167E-03	90-180	0.1012E-03
75-88.85	0.3777E-02	-7.5 TO 82.5	0.4238E-05	82.5-172.5	0.2994E-05	75	0- 90	0.5404E-04	90-180	0.4331E-04
0-15.00	0.6287E-03	-7.5 TO 97.5	0.4116E-04	82.5-187.5	0.4023E-04	0	0-105	0.2909E-03	90-195	0.2909E-03
15-30.00	0.1843E-02	-7.5 TO 97.5	0.3834E-04	82.5-187.5	0.3638E-04	15	0-105	0.2830E-03	90-195	0.2735E-03
30-45.00	0.2932E-02	-7.5 TO 97.5	0.3243E-04	82.5-187.5	0.2981E-04	30	0-105	0.2515E-03	90-195	0.2351E-03
45-60.00	0.3821E-02	-7.5 TO 97.5	0.2405E-04	82.5-187.5	0.2139E-04	45	0-105	0.2000E-03	90-195	0.1810E-03
60-75.00	0.4450E-02	-7.5 TO 97.5	0.1413E-04	82.5-187.5	0.1201E-04	60	0-105	0.1345E-03	90-195	0.1174E-03
75-88.85	0.4407E-02	-7.5 TO 97.5	0.4132E-05	82.5-187.5	0.2938E-05	75	0-105	0.6193E-04	90-195	0.5008E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0160$ $\cosh \mu_2 = 16.6400$ $\alpha_{2,max} = 91.15$ $\theta_{2,min} = 85.41$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.6882E-04	-7.5 TO 7.5	0.4145E-04	82.5- 97.5	0.4069E-04	0	0- 15	0.4155E-04	90-105	0.4155E-04
15-30.00	0.2693E-03	-7.5 TO 7.5	0.3898E-04	82.5- 97.5	0.3734E-04	15	0- 15	0.4095E-04	90-105	0.3968E-04
30-45.00	0.4189E-03	-7.5 TO 7.5	0.3329E-04	82.5- 97.5	0.3109E-04	30	0- 15	0.3685E-04	90-105	0.3463E-04
45-60.00	0.5459E-03	-7.5 TO 7.5	0.2494E-04	82.5- 97.5	0.2268E-04	45	0- 15	0.2966E-04	90-105	0.2706E-04
60-75.00	0.6357E-03	-7.5 TO 7.5	0.1485E-04	82.5- 97.5	0.1302E-04	60	0- 15	0.2021E-04	90-105	0.1784E-04
75-88.85	0.6295E-03	-7.5 TO 7.5	0.4548E-05	82.5- 97.5	0.3495E-05	75	0- 15	0.9551E-05	90-105	0.7883E-05
0-15.00	0.1746E-03	-7.5 TO 22.5	0.4144E-04	82.5-112.5	0.4059E-04	0	0- 30	0.8310E-04	90-120	0.8310E-04
15-30.00	0.5267E-03	-7.5 TO 22.5	0.3895E-04	82.5-112.5	0.3714E-04	15	0- 30	0.8183E-04	90-120	0.7908E-04
30-45.00	0.8378E-03	-7.5 TO 22.5	0.3326E-04	82.5-112.5	0.3081E-04	30	0- 30	0.7357E-04	90-120	0.6879E-04
45-60.00	0.1092E-02	-7.5 TO 22.5	0.2490E-04	82.5-112.5	0.2240E-04	45	0- 30	0.5916E-04	90-120	0.5357E-04
60-75.00	0.1271E-02	-7.5 TO 22.5	0.1482E-04	82.5-112.5	0.1280E-04	60	0- 30	0.4027E-04	90-120	0.3518E-04
75-88.85	0.1259E-02	-7.5 TO 22.5	0.4529E-05	82.5-112.5	0.3372E-05	75	0- 30	0.1899E-04	90-120	0.1543E-04
0-15.00	0.2695E-03	-7.5 TO 37.5	0.4141E-04	82.5-127.5	0.4050E-04	0	0- 45	0.1247E-03	90-135	0.1247E-03
15-30.00	0.7900E-03	-7.5 TO 37.5	0.3888E-04	82.5-127.5	0.3694E-04	15	0- 45	0.1226E-03	90-135	0.1182E-03
30-45.00	0.1257E-02	-7.5 TO 37.5	0.3317E-04	82.5-127.5	0.3055E-04	30	0- 45	0.1100E-03	90-135	0.1025E-03
45-60.00	0.1638E-02	-7.5 TO 37.5	0.2481E-04	82.5-127.5	0.2214E-04	45	0- 45	0.8835E-04	90-135	0.7959E-04
60-75.00	0.1907E-02	-7.5 TO 37.5	0.1474E-04	82.5-127.5	0.1259E-04	60	0- 45	0.6005E-04	90-135	0.5209E-04
75-88.85	0.1889E-02	-7.5 TO 37.5	0.4485E-05	82.5-127.5	0.3258E-05	75	0- 45	0.2823E-04	90-135	0.2268E-04
0-15.00	0.3593E-03	-7.5 TO 52.5	0.4136E-04	82.5-142.5	0.4041E-04	0	0- 60	0.1662E-03	90-150	0.1662E-03
15-30.00	0.1053E-02	-7.5 TO 52.5	0.3879E-04	82.5-142.5	0.3676E-04	15	0- 60	0.1631E-03	90-150	0.1572E-03
30-45.00	0.1676E-02	-7.5 TO 52.5	0.3303E-04	82.5-142.5	0.3032E-04	30	0- 60	0.1461E-03	90-150	0.1359E-03
45-60.00	0.2184E-02	-7.5 TO 52.5	0.2467E-04	82.5-142.5	0.2190E-04	45	0- 60	0.1171E-03	90-150	0.1052E-03
60-75.00	0.2543E-02	-7.5 TO 52.5	0.1463E-04	82.5-142.5	0.1241E-04	60	0- 60	0.7962E-04	90-150	0.6865E-04
75-88.85	0.2518E-02	-7.5 TO 52.5	0.4419E-05	82.5-142.5	0.3155E-05	75	0- 60	0.3719E-04	90-150	0.2969E-04
0-15.00	0.4491E-03	-7.5 TO 67.5	0.4130E-04	82.5-157.5	0.4034E-04	0	0- 75	0.2078E-03	90-165	0.2078E-03
15-30.00	0.1317E-02	-7.5 TO 67.5	0.3866E-04	82.5-157.5	0.3661E-04	15	0- 75	0.2033E-03	90-165	0.1960E-03
30-45.00	0.2094E-02	-7.5 TO 67.5	0.3286E-04	82.5-157.5	0.3011E-04	30	0- 75	0.1817E-03	90-165	0.1690E-03
45-60.00	0.2730E-02	-7.5 TO 67.5	0.2449E-04	82.5-157.5	0.2170E-04	45	0- 75	0.1453E-03	90-165	0.1306E-03
60-75.00	0.3179E-02	-7.5 TO 67.5	0.1449E-04	82.5-157.5	0.1225E-04	60	0- 75	0.9831E-04	90-165	0.8497E-04
75-88.85	0.3148E-02	-7.5 TO 67.5	0.4336E-05	82.5-157.5	0.3067E-05	75	0- 75	0.4580E-04	90-165	0.3654E-04
0-15.00	0.5389E-03	-7.5 TO 82.5	0.4123E-04	82.5-172.5	0.4027E-04	0	0- 90	0.2493E-03	90-180	0.2493E-03
15-30.00	0.1580E-02	-7.5 TO 82.5	0.3851E-04	82.5-172.5	0.3648E-04	15	0- 90	0.2438E-03	90-180	0.2347E-03
30-45.00	0.2513E-02	-7.5 TO 82.5	0.3266E-04	82.5-172.5	0.2994E-04	30	0- 90	0.2169E-03	90-180	0.2021E-03
45-60.00	0.3275E-02	-7.5 TO 82.5	0.2428E-04	82.5-172.5	0.2153E-04	45	0- 90	0.1730E-03	90-180	0.1558E-03
60-75.00	0.3814E-02	-7.5 TO 82.5	0.1432E-04	82.5-172.5	0.1211E-04	60	0- 90	0.1167E-03	90-180	0.1012E-03
75-88.85	0.3777E-02	-7.5 TO 82.5	0.4238E-05	82.5-172.5	0.2994E-05	75	0- 90	0.5405E-04	90-180	0.4331E-04
0-15.00	0.6287E-03	-7.5 TO 97.5	0.4116E-04	82.5-187.5	0.4023E-04	0	0-105	0.2909E-03	90-195	0.2909E-03
15-30.00	0.1843E-02	-7.5 TO 97.5	0.3834E-04	82.5-187.5	0.3638E-04	15	0-105	0.2830E-03	90-195	0.2735E-03
30-45.00	0.2932E-02	-7.5 TO 97.5	0.3243E-04	82.5-187.5	0.2981E-04	30	0-105	0.2515E-03	90-195	0.2351E-03
45-60.00	0.3821E-02	-7.5 TO 97.5	0.2405E-04	82.5-187.5	0.2139E-04	45	0-105	0.2000E-03	90-195	0.1810E-03
60-75.00	0.4450E-02	-7.5 TO 97.5	0.1413E-04	82.5-187.5	0.1201E-04	60	0-105	0.1345E-03	90-195	0.1174E-03
75-88.85	0.4407E-02	-7.5 TO 97.5	0.4132E-05	82.5-187.5	0.2938E-05	75	0-105	0.6193E-04	90-195	0.5008E-04

$r_2/r_1 = 0.60$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0064$ $\cosh \mu_2 = 41.6560$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.64$

0-15.00	0.1429E-04	-7.5 TO 7.5	0.4211E-06	82.5- 97.5	0.4207E-06	0	0- 15	0.4286E-06	90-105	0.4286E-06
15-30.00	0.4189E-04	-7.5 TO 7.5	0.3907E-06	82.5- 97.5	0.3898E-06	15	0- 15	0.4134E-06	90-105	0.4127E-06
30-45.00	0.6664E-04	-7.5 TO 7.5	0.3321E-06	82.5- 97.5	0.3308E-06	30	0- 15	0.3680E-06	90-105	0.3667E-06
45-60.00	0.8685E-04	-7.5 TO 7.5	0.2504E-06	82.5- 97.5	0.2490E-06	45	0- 15	0.2964E-06	90-105	0.2948E-06
60-75.00	0.1011E-03	-7.5 TO 7.5	0.1526E-06	82.5- 97.5	0.1512E-06	60	0- 15	0.2048E-06	90-105	0.2032E-06
75-89.54	0.1052E-03	-7.5 TO 7.5	0.4842E-07	82.5- 97.5	0.4746E-07	75	0- 15	0.1008E-06	90-105	0.9948E-07
0-15.00	0.2858E-04	-7.5 TO 22.5	0.4211E-06	82.5-112.5	0.4206E-06	0	0- 30	0.8571E-06	90-120	0.8571E-06
15-30.00	0.8378E-04	-7.5 TO 22.5	0.3907E-06	82.5-112.5	0.3896E-06	15	0- 30	0.8268E-06	90-120	0.8252E-06
30-45.00	0.1333E-03	-7.5 TO 22.5	0.3321E-06	82.5-112.5	0.3306E-06	30	0- 30	0.7359E-06	90-120	0.7331E-06
45-60.00	0.1737E-03	-7.5 TO 22.5	0.2504E-06	82.5-112.5	0.2488E-06	45	0- 30	0.5926E-06	90-120	0.5892E-06
60-75.00	0.2023E-03	-7.5 TO 22.5	0.1525E-06	82.5-112.5	0.1511E-06	60	0- 30	0.4095E-06	90-120	0.4060E-06
75-89.54	0.2104E-03	-7.5 TO 22.5	0.4840E-07	82.5-112.5	0.4734E-07	75	0- 30	0.2016E-06	90-120	0.1987E-06
0-15.00	0.4287E-04	-7.5 TO 37.5	0.4211E-06	82.5-127.5	0.4206E-06	0	0- 45	0.1286E-05	90-135	0.1286E-05
15-30.00	0.1257E-03	-7.5 TO 37.5	0.3906E-06	82.5-127.5	0.3895E-06	15	0- 45	0.1240E-05	90-135	0.1238E-05
30-45.00	0.1999E-03	-7.5 TO 37.5	0.3320E-06	82.5-127.5	0.3304E-06	30	0- 45	0.1104E-05	90-135	0.1099E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.2503E-06	82.5-127.5	0.2486E-06	45	0- 45	0.8887E-06	90-135	0.8832E-06
60-75.00	0.3034E-03	-7.5 TO 37.5	0.1525E-06	82.5-127.5	0.1509E-06	60	0- 45	0.6140E-06	90-135	0.6085E-06
75-89.54	0.3155E-03	-7.5 TO 37.5	0.4836E-07	82.5-127.5	0.4722E-07	75	0- 45	0.3022E-06	90-135	0.2976E-06
0-15.00	0.5715E-04	-7.5 TO 52.5	0.4210E-06	82.5-142.5	0.4205E-06	0	0- 60	0.1714E-05	90-150	0.1714E-05
15-30.00	0.1676E-03	-7.5 TO 52.5	0.3906E-06	82.5-142.5	0.3894E-06	15	0- 60	0.1653E-05	90-150	0.1650E-05
30-45.00	0.2666E-03	-7.5 TO 52.5	0.3319E-06	82.5-142.5	0.3303E-06	30	0- 60	0.1471E-05	90-150	0.1465E-05
45-60.00	0.3474E-03	-7.5 TO 52.5	0.2502E-06	82.5-142.5	0.2484E-06	45	0- 60	0.1184E-05	90-150	0.1177E-05
60-75.00	0.4045E-03	-7.5 TO 52.5	0.1524E-06	82.5-142.5	0.1508E-06	60	0- 60	0.8182E-06	90-150	0.8107E-06
75-89.54	0.4207E-03	-7.5 TO 52.5	0.4831E-07	82.5-142.5	0.4711E-07	75	0- 60	0.4025E-06	90-150	0.3962E-06
0-15.00	0.7144E-04	-7.5 TO 67.5	0.4210E-06	82.5-157.5	0.4205E-06	0	0- 75	0.2143E-05	90-165	0.2143E-05
15-30.00	0.2095E-03	-7.5 TO 67.5	0.3905E-06	82.5-157.5	0.3893E-06	15	0- 75	0.2066E-05	90-165	0.2062E-05
30-45.00	0.3332E-03	-7.5 TO 67.5	0.3318E-06	82.5-157.5	0.3302E-06	30	0- 75	0.1838E-05	90-165	0.1831E-05
45-60.00	0.4342E-03	-7.5 TO 67.5	0.2501E-06	82.5-157.5	0.2483E-06	45	0- 75	0.1480E-05	90-165	0.1471E-05
60-75.00	0.5057E-03	-7.5 TO 67.5	0.1523E-06	82.5-157.5	0.1506E-06	60	0- 75	0.1022E-05	90-165	0.1013E-05
75-89.54	0.5259E-03	-7.5 TO 67.5	0.4823E-07	82.5-157.5	0.4702E-07	75	0- 75	0.5026E-06	90-165	0.4948E-06
0-15.00	0.8573E-04	-7.5 TO 82.5	0.4210E-06	82.5-172.5	0.4204E-06	0	0- 90	0.2571E-05	90-180	0.2571E-05
15-30.00	0.2514E-03	-7.5 TO 82.5	0.3904E-06	82.5-172.5	0.3892E-06	15	0- 90	0.2479E-05	90-180	0.2474E-05
30-45.00	0.3998E-03	-7.5 TO 82.5	0.3317E-06	82.5-172.5	0.3300E-06	30	0- 90	0.2205E-05	90-180	0.2197E-05
45-60.00	0.5211E-03	-7.5 TO 82.5	0.2500E-06	82.5-172.5	0.2482E-06	45	0- 90	0.1775E-05	90-180	0.1764E-05
60-75.00	0.6068E-03	-7.5 TO 82.5	0.1522E-06	82.5-172.5	0.1505E-06	60	0- 90	0.1226E-05	90-180	0.1215E-05
75-89.54	0.6311E-03	-7.5 TO 82.5	0.4815E-07	82.5-172.5	0.4694E-07	75	0- 90	0.6024E-06	90-180	0.5932E-06
0-15.00	0.1000E-03	-7.5 TO 97.5	0.4209E-06	82.5-187.5	0.4204E-06	0	0-105	0.3000E-05	90-195	0.3000E-05
15-30.00	0.2932E-03	-7.5 TO 97.5	0.3903E-06	82.5-187.5	0.3892E-06	15	0-105	0.2892E-05	90-195	0.2886E-05
30-45.00	0.4665E-03	-7.5 TO 97.5	0.3316E-06	82.5-187.5	0.3300E-06	30	0-105	0.2572E-05	90-195	0.2562E-05
45-60.00	0.6079E-03	-7.5 TO 97.5	0.2498E-06	82.5-187.5	0.2481E-06	45	0-105	0.2070E-05	90-195	0.2058E-05
60-75.00	0.7079E-03	-7.5 TO 97.5	0.1521E-06	82.5-187.5	0.1504E-06	60	0-105	0.1429E-05	90-195	0.1417E-05
75-89.54	0.7362E-03	-7.5 TO 97.5	0.4805E-07	82.5-187.5	0.4688E-07	75	0-105	0.7019E-06	90-195	0.6917E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0064$ $\cosh \mu_2 = 41.6560$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 149.30$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.1569E-05	82.5- 97.5	0.1566E-05	0	0- 15	0.1595E-05	90-105	0.1595E-05
15-30.00	0.4189E-04	-7.5 TO 7.5	0.1458E-05	82.5- 97.5	0.1451E-05	15	0- 15	0.1541E-05	90-105	0.1536E-05
30-45.00	0.6664E-04	-7.5 TO 7.5	0.1241E-05	82.5- 97.5	0.1231E-05	30	0- 15	0.1374E-05	90-105	0.1365E-05
45-60.00	0.8685E-04	-7.5 TO 7.5	0.9376E-06	82.5- 97.5	0.9268E-06	45	0- 15	0.1109E-05	90-105	0.1097E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.5729E-06	82.5- 97.5	0.5631E-06	60	0- 15	0.7676E-06	90-105	0.7557E-06
75-89.54	0.1052E-03	-7.5 TO 7.5	0.1837E-06	82.5- 97.5	0.1767E-06	75	0- 15	0.3797E-06	90-105	0.3698E-06
0-15.00	0.2858E-04	-7.5 TO 22.5	0.1569E-05	82.5-112.5	0.1566E-05	0	0- 30	0.3191E-05	90-120	0.3191E-05
15-30.00	0.8378E-04	-7.5 TO 22.5	0.1458E-05	82.5-112.5	0.1450E-05	15	0- 30	0.3082E-05	90-120	0.3071E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.1241E-05	82.5-112.5	0.1230E-05	30	0- 30	0.2748E-05	90-120	0.2727E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.9374E-06	82.5-112.5	0.9254E-06	45	0- 30	0.2216E-05	90-120	0.2191E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.5727E-06	82.5-112.5	0.5618E-06	60	0- 30	0.1535E-05	90-120	0.1509E-05
75-89.54	0.2104E-03	-7.5 TO 22.5	0.1836E-06	82.5-112.5	0.1758E-06	75	0- 30	0.7588E-06	90-120	0.7374E-06
0-15.00	0.4287E-04	-7.5 TO 37.5	0.1569E-05	82.5-127.5	0.1565E-05	0	0- 45	0.4786E-05	90-135	0.4786E-05
15-30.00	0.1257E-03	-7.5 TO 37.5	0.1458E-05	82.5-127.5	0.1449E-05	15	0- 45	0.4623E-05	90-135	0.4605E-05
30-45.00	0.1999E-03	-7.5 TO 37.5	0.1241E-05	82.5-127.5	0.1229E-05	30	0- 45	0.4120E-05	90-135	0.4087E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.9370E-06	82.5-127.5	0.9241E-06	45	0- 45	0.3323E-05	90-135	0.3282E-05
60-75.00	0.3034E-03	-7.5 TO 37.5	0.5723E-06	82.5-127.5	0.5606E-06	60	0- 45	0.2300E-05	90-135	0.2259E-05
75-89.54	0.3155E-03	-7.5 TO 37.5	0.1833E-06	82.5-127.5	0.1750E-06	75	0- 45	0.1137E-05	90-135	0.1103E-05
0-15.00	0.5715E-04	-7.5 TO 52.5	0.1569E-05	82.5-142.5	0.1565E-05	0	0- 60	0.6382E-05	90-150	0.6382E-05
15-30.00	0.1676E-03	-7.5 TO 52.5	0.1457E-05	82.5-142.5	0.1448E-05	15	0- 60	0.6162E-05	90-150	0.6137E-05
30-45.00	0.2666E-03	-7.5 TO 52.5	0.1240E-05	82.5-142.5	0.1228E-05	30	0- 60	0.5491E-05	90-150	0.5446E-05
45-60.00	0.3474E-03	-7.5 TO 52.5	0.9363E-06	82.5-142.5	0.9229E-06	45	0- 60	0.4427E-05	90-150	0.4372E-05
60-75.00	0.4045E-03	-7.5 TO 52.5	0.5717E-06	82.5-142.5	0.5595E-06	60	0- 60	0.3064E-05	90-150	0.3008E-05
75-89.54	0.4207E-03	-7.5 TO 52.5	0.1829E-06	82.5-142.5	0.1742E-06	75	0- 60	0.1513E-05	90-150	0.1467E-05
0-15.00	0.7144E-04	-7.5 TO 67.5	0.1569E-05	82.5-157.5	0.1565E-05	0	0- 75	0.7977E-05	90-165	0.7977E-05
15-30.00	0.2095E-03	-7.5 TO 67.5	0.1457E-05	82.5-157.5	0.1448E-05	15	0- 75	0.7701E-05	90-165	0.7670E-05
30-45.00	0.3332E-03	-7.5 TO 67.5	0.1239E-05	82.5-157.5	0.1227E-05	30	0- 75	0.6860E-05	90-165	0.6804E-05
45-60.00	0.4342E-03	-7.5 TO 67.5	0.9355E-06	82.5-157.5	0.9218E-06	45	0- 75	0.5529E-05	90-165	0.5460E-05
60-75.00	0.5057E-03	-7.5 TO 67.5	0.5710E-06	82.5-157.5	0.5585E-06	60	0- 75	0.3825E-05	90-165	0.3756E-05
75-89.54	0.5259E-03	-7.5 TO 67.5	0.1823E-06	82.5-157.5	0.1735E-06	75	0- 75	0.1887E-05	90-165	0.1830E-05
0-15.00	0.8573E-04	-7.5 TO 82.5	0.1568E-05	82.5-172.5	0.1564E-05	0	0- 90	0.9573E-05	90-180	0.9573E-05
15-30.00	0.2514E-03	-7.5 TO 82.5	0.1456E-05	82.5-172.5	0.1447E-05	15	0- 90	0.9238E-05	90-180	0.9201E-05
30-45.00	0.3998E-03	-7.5 TO 82.5	0.1238E-05	82.5-172.5	0.1226E-05	30	0- 90	0.8227E-05	90-180	0.8161E-05
45-60.00	0.5211E-03	-7.5 TO 82.5	0.9345E-06	82.5-172.5	0.9210E-06	45	0- 90	0.6629E-05	90-180	0.6548E-05
60-75.00	0.6068E-03	-7.5 TO 82.5	0.5701E-06	82.5-172.5	0.5577E-06	60	0- 90	0.4583E-05	90-180	0.4502E-05
75-89.54	0.6311E-03	-7.5 TO 82.5	0.1817E-06	82.5-172.5	0.1729E-06	75	0- 90	0.2260E-05	90-180	0.2192E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.1568E-05	82.5-187.5	0.1564E-05	0	0-105	0.1117E-04	90-195	0.1117E-04
15-30.00	0.2932E-03	-7.5 TO 97.5	0.1455E-05	82.5-187.5	0.1447E-05	15	0-105	0.1077E-04	90-195	0.1073E-04
30-45.00	0.4665E-03	-7.5 TO 97.5	0.1237E-05	82.5-187.5	0.1225E-05	30	0-105	0.9591E-05	90-195	0.9518E-05
45-60.00	0.6079E-03	-7.5 TO 97.5	0.9334E-06	82.5-187.5	0.9203E-06	45	0-105	0.7725E-05	90-195	0.7635E-05
60-75.00	0.7079E-03	-7.5 TO 97.5	0.5691E-06	82.5-187.5	0.5571E-06	60	0-105	0.5339E-05	90-195	0.5249E-05
75-89.54	0.7362E-03	-7.5 TO 97.5	0.1810E-06	82.5-187.5	0.1725E-06	75	0-105	0.2629E-05	90-195	0.2554E-05

$r_2/r_1 = 0.60$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0064$ $\cosh \mu_2 = 41.6560$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 134.02$

0-15.00	0.1429E-04	-7.5 TO 7.5	0.3129E-05	82.5- 97.5	0.3120E-05	0	0- 15	0.3178E-05	90-105	0.3178E-05
15-30.00	0.4189E-04	-7.5 TO 7.5	0.2912E-05	82.5- 97.5	0.2890E-05	15	0- 15	0.3075E-05	90-105	0.3059E-05
30-45.00	0.6664E-04	-7.5 TO 7.5	0.2482E-05	82.5- 97.5	0.2453E-05	30	0- 15	0.2746E-05	90-105	0.2717E-05
45-60.00	0.8685E-04	-7.5 TO 7.5	0.1878E-05	82.5- 97.5	0.1846E-05	45	0- 15	0.2219E-05	90-105	0.2183E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.1151E-05	82.5- 97.5	0.1122E-05	60	0- 15	0.1540E-05	90-105	0.1504E-05
75-89.54	0.1052E-03	-7.5 TO 7.5	0.3722E-06	82.5- 97.5	0.3521E-06	75	0- 15	0.7647E-06	90-105	0.7357E-06
0-15.00	0.2858E-04	-7.5 TO 22.5	0.3129E-05	82.5-112.5	0.3118E-05	0	0- 30	0.6357E-05	90-120	0.6357E-05
15-30.00	0.8378E-04	-7.5 TO 22.5	0.2911E-05	82.5-112.5	0.2888E-05	15	0- 30	0.6150E-05	90-120	0.6115E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.2482E-05	82.5-112.5	0.2449E-05	30	0- 30	0.5490E-05	90-120	0.5428E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.1878E-05	82.5-112.5	0.1842E-05	45	0- 30	0.4436E-05	90-120	0.4359E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.1150E-05	82.5-112.5	0.1118E-05	60	0- 30	0.3077E-05	90-120	0.3001E-05
75-89.54	0.2104E-03	-7.5 TO 22.5	0.3719E-06	82.5-112.5	0.3495E-06	75	0- 30	0.1528E-05	90-120	0.1465E-05
0-15.00	0.4287E-04	-7.5 TO 37.5	0.3129E-05	82.5-127.5	0.3117E-05	0	0- 45	0.9535E-05	90-135	0.9535E-05
15-30.00	0.1257E-03	-7.5 TO 37.5	0.2910E-05	82.5-127.5	0.2885E-05	15	0- 45	0.9223E-05	90-135	0.9167E-05
30-45.00	0.1999E-03	-7.5 TO 37.5	0.2481E-05	82.5-127.5	0.2446E-05	30	0- 45	0.8231E-05	90-135	0.8133E-05
45-60.00	0.2605E-03	-7.5 TO 37.5	0.1877E-05	82.5-127.5	0.1838E-05	45	0- 45	0.6648E-05	90-135	0.6527E-05
60-75.00	0.3034E-03	-7.5 TO 37.5	0.1149E-05	82.5-127.5	0.1115E-05	60	0- 45	0.4610E-05	90-135	0.4490E-05
75-89.54	0.3155E-03	-7.5 TO 37.5	0.3711E-06	82.5-127.5	0.3471E-06	75	0- 45	0.2287E-05	90-135	0.2189E-05
0-15.00	0.5715E-04	-7.5 TO 52.5	0.3128E-05	82.5-142.5	0.3116E-05	0	0- 60	0.1271E-04	90-150	0.1271E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.2909E-05	82.5-142.5	0.2883E-05	15	0- 60	0.1229E-04	90-150	0.1222E-04
30-45.00	0.2666E-03	-7.5 TO 52.5	0.2479E-05	82.5-142.5	0.2442E-05	30	0- 60	0.1097E-04	90-150	0.1083E-04
45-60.00	0.3474E-03	-7.5 TO 52.5	0.1875E-05	82.5-142.5	0.1835E-05	45	0- 60	0.8855E-05	90-150	0.8689E-05
60-75.00	0.4045E-03	-7.5 TO 52.5	0.1147E-05	82.5-142.5	0.1111E-05	60	0- 60	0.6138E-05	90-150	0.5973E-05
75-89.54	0.4207E-03	-7.5 TO 52.5	0.3699E-06	82.5-142.5	0.3448E-06	75	0- 60	0.3042E-05	90-150	0.2907E-05
0-15.00	0.7144E-04	-7.5 TO 67.5	0.3128E-05	82.5-157.5	0.3115E-05	0	0- 75	0.1589E-04	90-165	0.1589E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.2907E-05	82.5-157.5	0.2881E-05	15	0- 75	0.1536E-04	90-165	0.1526E-04
30-45.00	0.3332E-03	-7.5 TO 67.5	0.2477E-05	82.5-157.5	0.2439E-05	30	0- 75	0.1370E-04	90-165	0.1353E-04
45-60.00	0.4342E-03	-7.5 TO 67.5	0.1872E-05	82.5-157.5	0.1832E-05	45	0- 75	0.1105E-04	90-165	0.1085E-04
60-75.00	0.5057E-03	-7.5 TO 67.5	0.1145E-05	82.5-157.5	0.1108E-05	60	0- 75	0.7658E-05	90-165	0.7453E-05
75-89.54	0.5259E-03	-7.5 TO 67.5	0.3683E-06	82.5-157.5	0.3429E-06	75	0- 75	0.3791E-05	90-165	0.3623E-05
0-15.00	0.8573E-04	-7.5 TO 82.5	0.3127E-05	82.5-172.5	0.3114E-05	0	0- 90	0.1907E-04	90-180	0.1907E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.2906E-05	82.5-172.5	0.2879E-05	15	0- 90	0.1842E-04	90-180	0.1831E-04
30-45.00	0.3998E-03	-7.5 TO 82.5	0.2474E-05	82.5-172.5	0.2437E-05	30	0- 90	0.1642E-04	90-180	0.1622E-04
45-60.00	0.5211E-03	-7.5 TO 82.5	0.1869E-05	82.5-172.5	0.1829E-05	45	0- 90	0.1325E-04	90-180	0.1302E-04
60-75.00	0.6068E-03	-7.5 TO 82.5	0.1142E-05	82.5-172.5	0.1106E-05	60	0- 90	0.9170E-05	90-180	0.8930E-05
75-85.54	0.6311E-03	-7.5 TO 82.5	0.3665E-06	82.5-172.5	0.3412E-06	75	0- 90	0.4533E-05	90-180	0.4337E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.3126E-05	82.5-187.5	0.3114E-05	0	0-105	0.2225E-04	90-195	0.2225E-04
15-30.00	0.2932E-03	-7.5 TO 97.5	0.2903E-05	82.5-187.5	0.2878E-05	15	0-105	0.2148E-04	90-195	0.2136E-04
30-45.00	0.4665E-03	-7.5 TO 97.5	0.2471E-05	82.5-187.5	0.2435E-05	30	0-105	0.1914E-04	90-195	0.1892E-04
45-60.00	0.6079E-03	-7.5 TO 97.5	0.1866E-05	82.5-187.5	0.1827E-05	45	0-105	0.1543E-04	90-195	0.1516E-04
60-75.00	0.7079E-03	-7.5 TO 97.5	0.1140E-05	82.5-187.5	0.1104E-05	60	0-105	0.1067E-04	90-195	0.1041E-04
75-89.54	0.7362E-03	-7.5 TO 97.5	0.3644E-06	82.5-187.5	0.3400E-06	75	0-105	0.5269E-05	90-195	0.5051E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

r_2/r_1 = 0.60 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0064 $\cosh \mu_2$ = 41.6560 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 118.80

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.4675E-05	82.5- 97.5	0.4655E-05	0	0- 15	0.4743E-05	90-105	0.4743E-05
15-30.00	0.4189E-04	-7.5 TO 7.5	0.4356E-05	82.5- 97.5	0.4313E-05	15	0- 15	0.4597E-05	90-105	0.4564E-05
30-45.00	0.6664E-04	-7.5 TO 7.5	0.3720E-05	82.5- 97.5	0.3661E-05	30	0- 15	0.4112E-05	90-105	0.4053E-05
45-60.00	0.8885E-04	-7.5 TO 7.5	0.2820E-05	82.5- 97.5	0.2756E-05	45	0- 15	0.3328E-05	90-105	0.3256E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.1731E-05	82.5- 97.5	0.1674E-05	60	0- 15	0.2313E-05	90-105	0.2243E-05
75-89.54	0.1052E-03	-7.5 TO 7.5	0.5637E-06	82.5- 97.5	0.5255E-06	75	0- 15	0.1153E-05	90-105	0.1097E-05
0-15.00	0.2858E-04	-7.5 TO 22.5	0.4675E-05	82.5-112.5	0.4653E-05	0	0- 30	0.9486E-05	90-120	0.9486E-05
15-30.00	0.8378E-04	-7.5 TO 22.5	0.4355E-05	82.5-112.5	0.4308E-05	15	0- 30	0.9192E-05	90-120	0.9121E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.3719E-05	82.5-112.5	0.3653E-05	30	0- 30	0.8220E-05	90-120	0.8093E-05
45-60.00	0.1777E-03	-7.5 TO 22.5	0.2818E-05	82.5-112.5	0.2747E-05	45	0- 30	0.6651E-05	90-120	0.6496E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.1730E-05	82.5-112.5	0.1667E-05	60	0- 30	0.4622E-05	90-120	0.4470E-05
75-89.54	0.2104E-03	-7.5 TO 22.5	0.5630E-06	82.5-112.5	0.5207E-06	75	0- 30	0.2302E-05	90-120	0.2181E-05
0-15.00	0.4287E-04	-7.5 TO 37.5	0.4674E-05	82.5-127.5	0.4650E-05	0	0- 45	0.1423E-04	90-135	0.1423E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.4354E-05	82.5-127.5	0.4303E-05	15	0- 45	0.1378E-04	90-135	0.1367E-04
30-45.00	0.1999E-03	-7.5 TO 37.5	0.3717E-05	82.5-127.5	0.3646E-05	30	0- 45	0.1232E-04	90-135	0.1212E-04
45-60.00	0.2665E-03	-7.5 TO 37.5	0.2816E-05	82.5-127.5	0.2740E-05	45	0- 45	0.9966E-05	90-135	0.9722E-05
60-75.00	0.3034E-03	-7.5 TO 37.5	0.1728E-05	82.5-127.5	0.1660E-05	60	0- 45	0.6922E-05	90-135	0.6684E-05
75-89.54	0.3155E-03	-7.5 TO 37.5	0.5615E-06	82.5-127.5	0.5161E-06	75	0- 45	0.3444E-05	90-135	0.3254E-05
0-15.00	0.5715E-04	-7.5 TO 52.5	0.4673E-05	82.5-142.5	0.4648E-05	0	0- 60	0.1897E-04	90-150	0.1897E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.4351E-05	82.5-142.5	0.4298E-05	15	0- 60	0.1837E-04	90-150	0.1822E-04
30-45.00	0.2666E-03	-7.5 TO 52.5	0.3713E-05	82.5-142.5	0.3639E-05	30	0- 60	0.1641E-04	90-150	0.1614E-04
45-60.00	0.3474E-03	-7.5 TO 52.5	0.2812E-05	82.5-142.5	0.2732E-05	45	0- 60	0.1327E-04	90-150	0.1296E-04
60-75.00	0.4045E-03	-7.5 TO 52.5	0.1724E-05	82.5-142.5	0.1654E-05	60	0- 60	0.9211E-05	90-150	0.8886E-05
75-89.54	0.4207E-03	-7.5 TO 52.5	0.5593E-06	82.5-142.5	0.5119E-06	75	0- 60	0.4578E-05	90-150	0.4318E-05
0-15.00	0.7144E-04	-7.5 TO 67.5	0.4671E-05	82.5-157.5	0.4646E-05	0	0- 75	0.2371E-04	90-165	0.2371E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.4348E-05	82.5-157.5	0.4294E-05	15	0- 75	0.2295E-04	90-165	0.2276E-04
30-45.00	0.3332E-03	-7.5 TO 67.5	0.3709E-05	82.5-157.5	0.3633E-05	30	0- 75	0.2049E-04	90-165	0.2015E-04
45-60.00	0.4342E-03	-7.5 TO 67.5	0.2807E-05	82.5-157.5	0.2726E-05	45	0- 75	0.1656E-04	90-165	0.1614E-04
60-75.00	0.5057E-03	-7.5 TO 67.5	0.1720E-05	82.5-157.5	0.1648E-05	60	0- 75	0.1149E-04	90-165	0.1108E-04
75-89.54	0.5259E-03	-7.5 TO 67.5	0.5563E-06	82.5-157.5	0.5082E-06	75	0- 75	0.5700E-05	90-165	0.5376E-05
0-15.00	0.8573E-04	-7.5 TO 82.5	0.4670E-05	82.5-172.5	0.4645E-05	0	0- 90	0.2846E-04	90-180	0.2846E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.4344E-05	82.5-172.5	0.4290E-05	15	0- 90	0.2752E-04	90-180	0.2730E-04
30-45.00	0.3998E-03	-7.5 TO 82.5	0.3703E-05	82.5-172.5	0.3629E-05	30	0- 90	0.2456E-04	90-180	0.2416E-04
45-60.00	0.5211E-03	-7.5 TO 82.5	0.2801E-05	82.5-172.5	0.2721E-05	45	0- 90	0.1983E-04	90-180	0.1934E-04
60-75.00	0.6068E-03	-7.5 TO 82.5	0.1715E-05	82.5-172.5	0.1644E-05	60	0- 90	0.1374E-04	90-180	0.1327E-04
75-89.54	0.6311E-03	-7.5 TO 82.5	0.5528E-06	82.5-172.5	0.5051E-06	75	0- 90	0.6809E-05	90-180	0.6431E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.4668E-05	82.5-187.5	0.4643E-05	0	0-105	0.3320E-04	90-195	0.3320E-04
15-30.00	0.2932E-03	-7.5 TO 97.5	0.4340E-05	82.5-187.5	0.4287E-05	15	0-105	0.3209E-04	90-195	0.3184E-04
30-45.00	0.4665E-03	-7.5 TO 97.5	0.3697E-05	82.5-187.5	0.3625E-05	30	0-105	0.2861E-04	90-195	0.2817E-04
45-60.00	0.6079E-03	-7.5 TO 97.5	0.2795E-05	82.5-187.5	0.2717E-05	45	0-105	0.2309E-04	90-195	0.2255E-04
60-75.00	0.7079E-03	-7.5 TO 97.5	0.1709E-05	82.5-187.5	0.1640E-05	60	0-105	0.1599E-04	90-195	0.1546E-04
75-89.54	0.7362E-03	-7.5 TO 97.5	0.5489E-06	82.5-187.5	0.5028E-06	75	0-105	0.7906E-05	90-195	0.7486E-05

r_2/r_1 = 0.60 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0064 $\cosh \mu_2$ = 41.6560 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 103.67

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.5789E-05	82.5- 97.5	0.5757E-05	0	0- 15	0.5865E-05	90-105	0.5865E-05
15-30.00	0.4189E-04	-7.5 TO 7.5	0.5403E-05	82.5- 97.5	0.5334E-05	15	0- 15	0.5696E-05	90-105	0.5643E-05
30-45.00	0.6684E-04	-7.5 TO 7.5	0.4622E-05	82.5- 97.5	0.4527E-05	30	0- 15	0.5104E-05	90-105	0.5010E-05
45-60.00	0.8885E-04	-7.5 TO 7.5	0.3508E-05	82.5- 97.5	0.3408E-05	45	0- 15	0.4137E-05	90-105	0.4024E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.2158E-05	82.5- 97.5	0.2071E-05	60	0- 15	0.2880E-05	90-105	0.2771E-05
75-89.54	0.1052E-03	-7.5 TO 7.5	0.7058E-06	82.5- 97.5	0.6501E-06	75	0- 15	0.1439E-05	90-105	0.1355E-05
0-15.00	0.2858E-04	-7.5 TO 22.5	0.5788E-05	82.5-112.5	0.5753E-05	0	0- 30	0.1173E-04	90-120	0.1173E-04
15-30.00	0.8378E-04	-7.5 TO 22.5	0.5401E-05	82.5-112.5	0.5325E-05	15	0- 30	0.1139E-04	90-120	0.1127E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.4620E-05	82.5-112.5	0.4515E-05	30	0- 30	0.1020E-04	90-120	0.9999E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.3507E-05	82.5-112.5	0.3395E-05	45	0- 30	0.8268E-05	90-120	0.8023E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.2156E-05	82.5-112.5	0.2060E-05	60	0- 30	0.5754E-05	90-120	0.5519E-05
75-89.54	0.2104E-03	-7.5 TO 22.5	0.7048E-06	82.5-112.5	0.6430E-06	75	0- 30	0.2872E-05	90-120	0.2691E-05
0-15.00	0.4287E-04	-7.5 TO 37.5	0.5787E-05	82.5-127.5	0.5749E-05	0	0- 45	0.1760E-04	90-135	0.1760E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.5399E-05	82.5-127.5	0.5317E-05	15	0- 45	0.1708E-04	90-135	0.1689E-04
30-45.00	0.1999E-03	-7.5 TO 37.5	0.4616E-05	82.5-127.5	0.4504E-05	30	0- 45	0.1529E-04	90-135	0.1497E-04
45-60.00	0.2665E-03	-7.5 TO 37.5	0.3503E-05	82.5-127.5	0.3383E-05	45	0- 45	0.1238E-04	90-135	0.1200E-04
60-75.00	0.3034E-03	-7.5 TO 37.5	0.2153E-05	82.5-127.5	0.2049E-05	60	0- 45	0.8615E-05	90-135	0.8244E-05
75-89.54	0.3155E-03	-7.5 TO 37.5	0.7026E-06	82.5-127.5	0.6364E-06	75	0- 45	0.4296E-05	90-135	0.4011E-05
0-15.00	0.5715E-04	-7.5 TO 52.5	0.5785E-05	82.5-142.5	0.5745E-05	0	0- 60	0.2346E-04	90-150	0.2346E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.5395E-05	82.5-142.5	0.5309E-05	15	0- 60	0.2275E-04	90-150	0.2251E-04
30-45.00	0.2666E-03	-7.5 TO 52.5	0.4611E-05	82.5-142.5	0.4493E-05	30	0- 60	0.2036E-04	90-150	0.1992E-04
45-60.00	0.3474E-03	-7.5 TO 52.5	0.3497E-05	82.5-142.5	0.3371E-05	45	0- 60	0.1648E-04	90-150	0.1596E-04
60-75.00	0.4045E-03	-7.5 TO 52.5	0.2148E-05	82.5-142.5	0.2039E-05	60	0- 60	0.1146E-04	90-150	0.1095E-04
75-89.54	0.4207E-03	-7.5 TO 52.5	0.6993E-06	82.5-142.5	0.6303E-06	75	0- 60	0.5706E-05	90-150	0.5317E-05
0-15.00	0.7144E-04	-7.5 TO 67.5	0.5783E-05	82.5-157.5	0.5742E-05	0	0- 75	0.2933E-04	90-165	0.2933E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.5389E-05	82.5-157.5	0.5302E-05	15	0- 75	0.2842E-04	90-165	0.2811E-04
30-45.00	0.3332E-03	-7.5 TO 67.5	0.4603E-05	82.5-157.5	0.4484E-05	30	0- 75	0.2541E-04	90-165	0.2487E-04
45-60.00	0.4342E-03	-7.5 TO 67.5	0.3489E-05	82.5-157.5	0.3362E-05	45	0- 75	0.2056E-04	90-165	0.1990E-04
60-75.00	0.5057E-03	-7.5 TO 67.5	0.2141E-05	82.5-157.5	0.2031E-05	60	0- 75	0.1428E-04	90-165	0.1365E-04
75-89.54	0.5259E-03	-7.5 TO 67.5	0.6949E-06	82.5-157.5	0.6249E-06	75	0- 75	0.7099E-05	90-165	0.6614E-05
0-15.00	0.8573E-04	-7.5 TO 82.5	0.5780E-05	82.5-172.5	0.5740E-05	0	0- 90	0.3519E-04	90-180	0.3519E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.5383E-05	82.5-172.5	0.5297E-05	15	0- 90	0.3408E-04	90-180	0.3371E-04
30-45.00	0.3998E-03	-7.5 TO 82.5	0.4595E-05	82.5-172.5	0.4476E-05	30	0- 90	0.3044E-04	90-180	0.2981E-04
45-60.00	0.5211E-03	-7.5 TO 82.5	0.3480E-05	82.5-172.5	0.3353E-05	45	0- 90	0.2461E-04	90-180	0.2384E-04
60-75.00	0.6068E-03	-7.5 TO 82.5	0.2133E-05	82.5-172.5	0.2024E-05	60	0- 90	0.1708E-04	90-180	0.1634E-04
75-89.54	0.6311E-03	-7.5 TO 82.5	0.6898E-06	82.5-172.5	0.6205E-06	75	0- 90	0.8472E-05	90-180	0.7906E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.5777E-05	82.5-187.5	0.5738E-05	0	0-105	0.4106E-04	90-195	0.4106E-04
15-30.00	0.2932E-03	-7.5 TO 97.5	0.5376E-05	82.5-187.5	0.5292E-05	15	0-105	0.3972E-04	90-195	0.3932E-04
30-45.00	0.4665E-03	-7.5 TO 97.5	0.4585E-05	82.5-187.5	0.4470E-05	30	0-105	0.3545E-04	90-195	0.3474E-04
45-60.00	0.6079E-03	-7.5 TO 97.5	0.3469E-05	82.5-187.5	0.3347E-05	45	0-105	0.2863E-04	90-195	0.2778E-04
60-75.00	0.7079E-03	-7.5 TO 97.5	0.2124E-05	82.5-187.5	0.2018E-05	60	0-105	0.1985E-04	90-195	0.1903E-04
75-89.54	0.7362E-03	-7.5 TO 97.5	0.6842E-06	82.5-187.5	0.6171E-06	75	0-105	0.9827E-05	90-195	0.9198E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0064$ $\cosh \mu_2 = 41.6560$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 88.62$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.6176E-05	82.5- 97.5	0.6132E-05	0	0- 15	0.6247E-05	90-105	0.6247E-05
15-30.00	0.4189E-04	-7.5 TO 7.5	0.5775E-05	82.5- 97.5	0.5682E-05	15	0- 15	0.6081E-05	90-105	0.6009E-05
30-45.00	0.6664E-04	-7.5 TO 7.5	0.4950E-05	82.5- 97.5	0.4822E-05	30	0- 15	0.5460E-05	90-105	0.5333E-05
45-60.00	0.8685E-04	-7.5 TO 7.5	0.3764E-05	82.5- 97.5	0.3630E-05	45	0- 15	0.4435E-05	90-105	0.4283E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.2318E-05	82.5- 97.5	0.2206E-05	60	0- 15	0.3093E-05	90-105	0.2949E-05
75-89.54	0.1052E-03	-7.5 TO 7.5	0.7598E-06	82.5- 97.5	0.6925E-06	75	0- 15	0.1547E-05	90-105	0.1441E-05
0-15.00	0.2658E-04	-7.5 TO 22.5	0.6175E-05	82.5-112.5	0.6127E-05	0	0- 30	0.1249E-04	90-120	0.1249E-04
15-30.00	0.8378E-04	-7.5 TO 22.5	0.5773E-05	82.5-112.5	0.5670E-05	15	0- 30	0.1216E-04	90-120	0.1200E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.4948E-05	82.5-112.5	0.4806E-05	30	0- 30	0.1091E-04	90-120	0.1064E-04
45-60.00	0.1737E-03	-7.5 TO 22.5	0.3762E-05	82.5-112.5	0.3613E-05	45	0- 30	0.8861E-05	90-120	0.8532E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.2316E-05	82.5-112.5	0.2192E-05	60	0- 30	0.6176E-05	90-120	0.5867E-05
75-89.54	0.2104E-03	-7.5 TO 22.5	0.7586E-06	82.5-112.5	0.6842E-06	75	0- 30	0.3087E-05	90-120	0.2860E-05
0-15.00	0.4287E-04	-7.5 TO 37.5	0.6173E-05	82.5-127.5	0.6121E-05	0	0- 45	0.1874E-04	90-135	0.1874E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.5770E-05	82.5-127.5	0.5659E-05	15	0- 45	0.1823E-04	90-135	0.1798E-04
30-45.00	0.1999E-03	-7.5 TO 37.5	0.4943E-05	82.5-127.5	0.4791E-05	30	0- 45	0.1635E-04	90-135	0.1592E-04
45-60.00	0.2605E-03	-7.5 TO 37.5	0.3756E-05	82.5-127.5	0.3597E-05	45	0- 45	0.1327E-04	90-135	0.1275E-04
60-75.00	0.3034E-03	-7.5 TO 37.5	0.2312E-05	82.5-127.5	0.2178E-05	60	0- 45	0.9243E-05	90-135	0.8757E-05
75-89.54	0.3155E-03	-7.5 TO 37.5	0.7559E-06	82.5-127.5	0.6763E-06	75	0- 45	0.4615E-05	90-135	0.4258E-05
0-15.00	0.5715E-04	-7.5 TO 52.5	0.6171E-05	82.5-142.5	0.6116E-05	0	0- 60	0.2499E-04	90-150	0.2499E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.5764E-05	82.5-142.5	0.5648E-05	15	0- 60	0.2428E-04	90-150	0.2395E-04
30-45.00	0.2666E-03	-7.5 TO 52.5	0.4935E-05	82.5-142.5	0.4777E-05	30	0- 60	0.2177E-04	90-150	0.2118E-04
45-60.00	0.3474E-03	-7.5 TO 52.5	0.3748E-05	82.5-142.5	0.3582E-05	45	0- 60	0.1765E-04	90-150	0.1695E-04
60-75.00	0.4045E-03	-7.5 TO 52.5	0.2305E-05	82.5-142.5	0.2166E-05	60	0- 60	0.1229E-04	90-150	0.1162E-04
75-89.54	0.4207E-03	-7.5 TO 52.5	0.7519E-06	82.5-142.5	0.6690E-06	75	0- 60	0.6126E-05	90-150	0.5640E-05
0-15.00	0.7144E-04	-7.5 TO 67.5	0.6167E-05	82.5-157.5	0.6112E-05	0	0- 75	0.3124E-04	90-165	0.3124E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.5757E-05	82.5-157.5	0.5639E-05	15	0- 75	0.3032E-04	90-165	0.2991E-04
30-45.00	0.3332E-03	-7.5 TO 67.5	0.4925E-05	82.5-157.5	0.4764E-05	30	0- 75	0.2716E-04	90-165	0.2642E-04
45-60.00	0.4342E-03	-7.5 TO 67.5	0.3738E-05	82.5-157.5	0.3569E-05	45	0- 75	0.2200E-04	90-165	0.2113E-04
60-75.00	0.5057E-03	-7.5 TO 67.5	0.2296E-05	82.5-157.5	0.2155E-05	60	0- 75	0.1530E-04	90-165	0.1448E-04
75-89.54	0.5259E-03	-7.5 TO 67.5	0.7466E-06	82.5-157.5	0.6627E-06	75	0- 75	0.7615E-05	90-165	0.7010E-05
0-15.00	0.8573E-04	-7.5 TO 82.5	0.6163E-05	82.5-172.5	0.6109E-05	0	0- 90	0.3748E-04	90-180	0.3748E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.5748E-05	82.5-172.5	0.5631E-05	15	0- 90	0.3635E-04	90-180	0.3586E-04
30-45.00	0.3998E-03	-7.5 TO 82.5	0.4913E-05	82.5-172.5	0.4754E-05	30	0- 90	0.3252E-04	90-180	0.3166E-04
45-60.00	0.5211E-03	-7.5 TO 82.5	0.3726E-05	82.5-172.5	0.3559E-05	45	0- 90	0.2632E-04	90-180	0.2529E-04
60-75.00	0.6068E-03	-7.5 TO 82.5	0.2286E-05	82.5-172.5	0.2146E-05	60	0- 90	0.1828E-04	90-180	0.1732E-04
75-89.54	0.6311E-03	-7.5 TO 82.5	0.7404E-06	82.5-172.5	0.6575E-06	75	0- 90	0.9080E-05	90-180	0.8375E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.6159E-05	82.5-187.5	0.6106E-05	0	0-105	0.4373E-04	90-195	0.4373E-04
15-30.00	0.2932E-03	-7.5 TO 97.5	0.5739E-05	82.5-187.5	0.5626E-05	15	0-105	0.4236E-04	90-195	0.4181E-04
30-45.00	0.4665E-03	-7.5 TO 97.5	0.4900E-05	82.5-187.5	0.4746E-05	30	0-105	0.3785E-04	90-195	0.3690E-04
45-60.00	0.6079E-03	-7.5 TO 97.5	0.3712E-05	82.5-187.5	0.3550E-05	45	0-105	0.3060E-04	90-195	0.2946E-04
60-75.00	0.7079E-03	-7.5 TO 97.5	0.2274E-05	82.5-187.5	0.2139E-05	60	0-105	0.2123E-04	90-195	0.2016E-04
75-89.54	0.7362E-03	-7.5 TO 97.5	0.7336E-06	82.5-187.5	0.6535E-06	75	0-105	0.1052E-04	90-195	0.9739E-05

$r_2/r_1 = 0.60$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0064$ $\cosh \mu_2 = 41.6560$ $\alpha_{2,max} = 90.46$ $\theta_{2,min} = 88.17$

0-15.00	0.1429E-04	-7.5 TO 7.5	0.6176E-05	82.5- 97.5	0.6132E-05	0	0- 15	0.6247E-05	90-105	0.6247E-05
15-30.00	0.4189E-04	-7.5 TO 7.5	0.5775E-05	82.5- 97.5	0.5682E-05	15	0- 15	0.6081E-05	90-105	0.6009E-05
30-45.00	0.6664E-04	-7.5 TO 7.5	0.4950E-05	82.5- 97.5	0.4822E-05	30	0- 15	0.5460E-05	90-105	0.5333E-05
45-60.00	0.8685E-04	-7.5 TO 7.5	0.3764E-05	82.5- 97.5	0.3630E-05	45	0- 15	0.4435E-05	90-105	0.4283E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.2318E-05	82.5- 97.5	0.2206E-05	60	0- 15	0.3093E-05	90-105	0.2949E-05
75-89.54	0.1052E-03	-7.5 TO 7.5	0.7598E-06	82.5- 97.5	0.6925E-06	75	0- 15	0.1547E-05	90-105	0.1441E-05
0-15.00	0.2658E-04	-7.5 TO 22.5	0.6175E-05	82.5-112.5	0.6127E-05	0	0- 30	0.1249E-04	90-120	0.1249E-04
15-30.00	0.8378E-04	-7.5 TO 22.5	0.5773E-05	82.5-112.5	0.5670E-05	15	0- 30	0.1216E-04	90-120	0.1200E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.4948E-05	82.5-112.5	0.4806E-05	30	0- 30	0.1091E-04	90-120	0.1064E-04
45-60.00	0.1737E-03	-7.5 TO 22.5	0.3762E-05	82.5-112.5	0.3613E-05	45	0- 30	0.8861E-05	90-120	0.8532E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.2316E-05	82.5-112.5	0.2192E-05	60	0- 30	0.6176E-05	90-120	0.5867E-05
75-89.54	0.2104E-03	-7.5 TO 22.5	0.7586E-06	82.5-112.5	0.6842E-06	75	0- 30	0.3088E-05	90-120	0.2860E-05
0-15.00	0.4287E-04	-7.5 TO 37.5	0.6173E-05	82.5-127.5	0.6121E-05	0	0- 45	0.1874E-04	90-135	0.1874E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.5770E-05	82.5-127.5	0.5659E-05	15	0- 45	0.1823E-04	90-135	0.1798E-04
30-45.00	0.1999E-03	-7.5 TO 37.5	0.4943E-05	82.5-127.5	0.4791E-05	30	0- 45	0.1635E-04	90-135	0.1592E-04
45-60.00	0.2605E-03	-7.5 TO 37.5	0.3756E-05	82.5-127.5	0.3597E-05	45	0- 45	0.1327E-04	90-135	0.1275E-04
60-75.00	0.3034E-03	-7.5 TO 37.5	0.2312E-05	82.5-127.5	0.2178E-05	60	0- 45	0.9243E-05	90-135	0.8757E-05
75-89.54	0.3155E-03	-7.5 TO 37.5	0.7560E-06	82.5-127.5	0.6763E-06	75	0- 45	0.4615E-05	90-135	0.4258E-05
0-15.00	0.5715E-04	-7.5 TO 52.5	0.6171E-05	82.5-142.5	0.6116E-05	0	0- 60	0.2499E-04	90-150	0.2499E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.5764E-05	82.5-142.5	0.5648E-05	15	0- 60	0.2428E-04	90-150	0.2395E-04
30-45.00	0.2666E-03	-7.5 TO 52.5	0.4935E-05	82.5-142.5	0.4777E-05	30	0- 60	0.2177E-04	90-150	0.2118E-04
45-60.00	0.3474E-03	-7.5 TO 52.5	0.3748E-05	82.5-142.5	0.3582E-05	45	0- 60	0.1765E-04	90-150	0.1695E-04
60-75.00	0.4045E-03	-7.5 TO 52.5	0.2305E-05	82.5-142.5	0.2166E-05	60	0- 60	0.1229E-04	90-150	0.1162E-04
75-89.54	0.4207E-03	-7.5 TO 52.5	0.7519E-06	82.5-142.5	0.6690E-06	75	0- 60	0.6126E-05	90-150	0.5640E-05
0-15.00	0.7144E-04	-7.5 TO 67.5	0.6167E-05	82.5-157.5	0.6112E-05	0	0- 75	0.3124E-04	90-165	0.3124E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.5757E-05	82.5-157.5	0.5639E-05	15	0- 75	0.3032E-04	90-165	0.2991E-04
30-45.00	0.3332E-03	-7.5 TO 67.5	0.4925E-05	82.5-157.5	0.4764E-05	30	0- 75	0.2716E-04	90-165	0.2642E-04
45-60.00	0.4342E-03	-7.5 TO 67.5	0.3738E-05	82.5-157.5	0.3569E-05	45	0- 75	0.2200E-04	90-165	0.2113E-04
60-75.00	0.5057E-03	-7.5 TO 67.5	0.2296E-05	82.5-157.5	0.2155E-05	60	0- 75	0.1530E-04	90-165	0.1448E-04
75-89.54	0.5259E-03	-7.5 TO 67.5	0.7466E-06	82.5-157.5	0.6627E-06	75	0- 75	0.7615E-05	90-165	0.7010E-05
0-15.00	0.8573E-04	-7.5 TO 82.5	0.6163E-05	82.5-172.5	0.6109E-05	0	0- 90	0.3748E-04	90-180	0.3748E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.5748E-05	82.5-172.5	0.5631E-05	15	0- 90	0.3635E-04	90-180	0.3586E-04
30-45.00	0.3998E-03	-7.5 TO 82.5	0.4913E-05	82.5-172.5	0.4754E-05	30	0- 90	0.3252E-04	90-180	0.3166E-04
45-60.00	0.5211E-03	-7.5 TO 82.5	0.3726E-05	82.5-172.5	0.3559E-05	45	0- 90	0.2632E-04	90-180	0.2529E-04
60-75.00	0.6068E-03	-7.5 TO 82.5	0.2286E-05	82.5-172.5	0.2146E-05	60	0- 90	0.1828E-04	90-180	0.1732E-04
75-89.54	0.6311E-03	-7.5 TO 82.5	0.7405E-06	82.5-172.5	0.6575E-06	75	0- 90	0.9080E-05	90-180	0.8375E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.6159E-05	82.5-187.5	0.6106E-05	0	0-105	0.4373E-04	90-195	0.4373E-04
15-30.00	0.2932E-03	-7.5 TO 97.5	0.5739E-05	82.5-187.5	0.5626E-05	15	0-105	0.4236E-04	90-195	0.4181E-04
30-45.00	0.4665E-03	-7.5 TO 97.5	0.4900E-05	82.5-187.5	0.4746E-05	30	0-105	0.3785E-04	90-195	0.3690E-04
45-60.00	0.6079E-03	-7.5 TO 97.5	0.3712E-05	82.5-187.5	0.3550E-05	45	0-105	0.3060E-04	90-195	0.2946E-04
60-75.00	0.7079E-03	-7.5 TO 97.5	0.2275E-05	82.5-187.5	0.2139E-05	60	0-105	0.2123E-04	90-195	0.2016E-04
75-89.54	0.7362E-03	-7.5 TO 97.5	0.7336E-06	82.5-187.5	0.6535E-06	75	0-105	0.1052E-04	90-195	0.9739E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0032$ $\cosh \mu_2 = 83.3280$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.82$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.1019E-06	82.5- 97.5	0.1019E-06	0	0- 15	0.1037E-06	90-105	0.1037E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.9479E-07	82.5- 97.5	0.9468E-07	15	0- 15	0.1001E-06	90-105	0.1000E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.8100E-07	82.5- 97.5	0.8084E-07	30	0- 15	0.8946E-07	90-105	0.8931E-07
45-60.00	0.2169E-04	-7.5 TO 7.5	0.6162E-07	82.5- 97.5	0.6145E-07	45	0- 15	0.7255E-07	90-105	0.7236E-07
60-75.00	0.2526E-04	-7.5 TO 7.5	0.3815E-07	82.5- 97.5	0.3799E-07	60	0- 15	0.5073E-07	90-105	0.5053E-07
75-89.77	0.2669E-04	-7.5 TO 7.5	0.1257E-07	82.5- 97.5	0.1245E-07	75	0- 15	0.2563E-07	90-105	0.2546E-07
0-15.00	0.7139E-05	-7.5 TO 22.5	0.1019E-06	82.5-112.5	0.1019E-06	0	0- 30	0.2075E-06	90-120	0.2075E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.9479E-07	82.5-112.5	0.9467E-07	15	0- 30	0.2003E-06	90-120	0.2001E-06
30-45.00	0.3329E-04	-7.5 TO 22.5	0.8099E-07	82.5-112.5	0.8082E-07	30	0- 30	0.1789E-06	90-120	0.1786E-06
45-60.00	0.4339E-04	-7.5 TO 22.5	0.6162E-07	82.5-112.5	0.6143E-07	45	0- 30	0.1451E-06	90-120	0.1447E-06
60-75.00	0.5053E-04	-7.5 TO 22.5	0.3815E-07	82.5-112.5	0.3797E-07	60	0- 30	0.1014E-06	90-120	0.1010E-06
75-89.77	0.5338E-04	-7.5 TO 22.5	0.1257E-07	82.5-112.5	0.1244E-07	75	0- 30	0.5125E-07	90-120	0.5089E-07
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1019E-06	82.5-127.5	0.1019E-06	0	0- 45	0.3112E-06	90-135	0.3112E-06
15-30.00	0.3139E-04	-7.5 TO 37.5	0.9479E-07	82.5-127.5	0.9466E-07	15	0- 45	0.3004E-06	90-135	0.3001E-06
30-45.00	0.4994E-04	-7.5 TO 37.5	0.8099E-07	82.5-127.5	0.8080E-07	30	0- 45	0.2683E-06	90-135	0.2678E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.6161E-07	82.5-127.5	0.6140E-07	45	0- 45	0.2176E-06	90-135	0.2170E-06
60-75.00	0.7579E-04	-7.5 TO 37.5	0.3814E-07	82.5-127.5	0.3795E-07	60	0- 45	0.1521E-06	90-135	0.1515E-06
75-89.77	0.8008E-04	-7.5 TO 37.5	0.1256E-07	82.5-127.5	0.1242E-07	75	0- 45	0.7684E-07	90-135	0.7628E-07
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1019E-06	82.5-142.5	0.1019E-06	0	0- 60	0.4149E-06	90-150	0.4149E-06
15-30.00	0.4186E-04	-7.5 TO 52.5	0.9478E-07	82.5-142.5	0.9464E-07	15	0- 60	0.4005E-06	90-150	0.4001E-06
30-45.00	0.6659E-04	-7.5 TO 52.5	0.8098E-07	82.5-142.5	0.8078E-07	30	0- 60	0.3577E-06	90-150	0.3570E-06
45-60.00	0.8678E-04	-7.5 TO 52.5	0.6160E-07	82.5-142.5	0.6138E-07	45	0- 60	0.2901E-06	90-150	0.2892E-06
60-75.00	0.1011E-03	-7.5 TO 52.5	0.3813E-07	82.5-142.5	0.3793E-07	60	0- 60	0.2028E-06	90-150	0.2019E-06
75-89.77	0.1068E-03	-7.5 TO 52.5	0.1256E-07	82.5-142.5	0.1241E-07	75	0- 60	0.1024E-06	90-150	0.1016E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1019E-06	82.5-157.5	0.1019E-06	0	0- 75	0.5187E-06	90-165	0.5187E-06
15-30.00	0.5232E-04	-7.5 TO 67.5	0.9477E-07	82.5-157.5	0.9463E-07	15	0- 75	0.5006E-06	90-165	0.5001E-06
30-45.00	0.8323E-04	-7.5 TO 67.5	0.8097E-07	82.5-157.5	0.8077E-07	30	0- 75	0.4471E-06	90-165	0.4462E-06
45-60.00	0.1085E-03	-7.5 TO 67.5	0.6159E-07	82.5-157.5	0.6137E-07	45	0- 75	0.3626E-06	90-165	0.3614E-06
60-75.00	0.1263E-03	-7.5 TO 67.5	0.3812E-07	82.5-157.5	0.3791E-07	60	0- 75	0.2534E-06	90-165	0.2523E-06
75-89.77	0.1335E-03	-7.5 TO 67.5	0.1255E-07	82.5-157.5	0.1240E-07	75	0- 75	0.1280E-06	90-165	0.1270E-06
0-15.00	0.2142E-04	-7.5 TO 82.5	0.1019E-06	82.5-172.5	0.1019E-06	0	0- 90	0.6224E-06	90-180	0.6224E-06
15-30.00	0.6279E-04	-7.5 TO 82.5	0.9476E-07	82.5-172.5	0.9462E-07	15	0- 90	0.6006E-06	90-180	0.6000E-06
30-45.00	0.9988E-04	-7.5 TO 82.5	0.8095E-07	82.5-172.5	0.8076E-07	30	0- 90	0.5365E-06	90-180	0.5354E-06
45-60.00	0.1302E-03	-7.5 TO 82.5	0.6157E-07	82.5-172.5	0.6135E-07	45	0- 90	0.4350E-06	90-180	0.4337E-06
60-75.00	0.1516E-03	-7.5 TO 82.5	0.3810E-07	82.5-172.5	0.3790E-07	60	0- 90	0.3040E-06	90-180	0.3027E-06
75-89.77	0.1602E-03	-7.5 TO 82.5	0.1254E-07	82.5-172.5	0.1239E-07	75	0- 90	0.1535E-06	90-180	0.1523E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.1019E-06	82.5-187.5	0.1019E-06	0	0-105	0.7261E-06	90-195	0.7261E-06
15-30.00	0.7325E-04	-7.5 TO 97.5	0.9475E-07	82.5-187.5	0.9462E-07	15	0-105	0.7007E-06	90-195	0.7000E-06
30-45.00	0.1165E-03	-7.5 TO 97.5	0.8094E-07	82.5-187.5	0.8075E-07	30	0-105	0.6258E-06	90-195	0.6246E-06
45-60.00	0.1519E-03	-7.5 TO 97.5	0.6155E-07	82.5-187.5	0.6134E-07	45	0-105	0.5073E-06	90-195	0.5059E-06
60-75.00	0.1768E-03	-7.5 TO 97.5	0.3809E-07	82.5-187.5	0.3789E-07	60	0-105	0.3545E-06	90-195	0.3531E-06
75-89.77	0.1868E-03	-7.5 TO 97.5	0.1252E-07	82.5-187.5	0.1238E-07	75	0-105	0.1789E-06	90-195	0.1777E-06

$r_2/r_1 = 0.60$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0032$ $\cosh \mu_2 = 83.3280$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 149.65$

0-15.00	0.3569E-05	-7.5 TO 7.5	0.3802E-06	82.5- 97.5	0.3798E-06	0	0- 15	0.3867E-06	90-105	0.3867E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.3538E-06	82.5- 97.5	0.3529E-06	15	0- 15	0.3735E-06	90-105	0.3729E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.3025E-06	82.5- 97.5	0.3013E-06	30	0- 15	0.3340E-06	90-105	0.3328E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.2303E-06	82.5- 97.5	0.2290E-06	45	0- 15	0.2711E-06	90-105	0.2697E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1428E-06	82.5- 97.5	0.1416E-06	60	0- 15	0.1897E-06	90-105	0.1883E-06
75-89.77	0.2669E-04	-7.5 TO 7.5	0.4727E-07	82.5- 97.5	0.4641E-07	75	0- 15	0.9606E-07	90-105	0.9484E-07
0-15.00	0.7139E-05	-7.5 TO 22.5	0.3802E-06	82.5-112.5	0.3798E-06	0	0- 30	0.7733E-06	90-120	0.7733E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.3537E-06	82.5-112.5	0.3528E-06	15	0- 30	0.7470E-06	90-120	0.7456E-06
30-45.00	0.3329E-04	-7.5 TO 22.5	0.3025E-06	82.5-112.5	0.3012E-06	30	0- 30	0.6678E-06	90-120	0.6654E-06
45-60.00	0.4339E-04	-7.5 TO 22.5	0.2303E-06	82.5-112.5	0.2289E-06	45	0- 30	0.5421E-06	90-120	0.5390E-06
60-75.00	0.5053E-04	-7.5 TO 22.5	0.1428E-06	82.5-112.5	0.1414E-06	60	0- 30	0.3794E-06	90-120	0.3762E-06
75-89.77	0.5338E-04	-7.5 TO 22.5	0.4726E-07	82.5-112.5	0.4630E-07	75	0- 30	0.1920E-06	90-120	0.1894E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.3802E-06	82.5-127.5	0.3797E-06	0	0- 45	0.1160E-05	90-135	0.1160E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.3537E-06	82.5-127.5	0.3527E-06	15	0- 45	0.1120E-05	90-135	0.1118E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.3024E-06	82.5-127.5	0.3010E-06	30	0- 45	0.1002E-05	90-135	0.9977E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.2303E-06	82.5-127.5	0.2287E-06	45	0- 45	0.8129E-06	90-135	0.8080E-06
60-75.00	0.7579E-04	-7.5 TO 37.5	0.1427E-06	82.5-127.5	0.1413E-06	60	0- 45	0.5688E-06	90-135	0.5639E-06
75-89.77	0.8008E-04	-7.5 TO 37.5	0.4723E-07	82.5-127.5	0.4620E-07	75	0- 45	0.2879E-06	90-135	0.2837E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.3801E-06	82.5-142.5	0.3797E-06	0	0- 60	0.1547E-05	90-150	0.1547E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.3537E-06	82.5-142.5	0.3526E-06	15	0- 60	0.1494E-05	90-150	0.1491E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.3024E-06	82.5-142.5	0.3009E-06	30	0- 60	0.1335E-05	90-150	0.1330E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.2302E-06	82.5-142.5	0.2286E-06	45	0- 60	0.1083E-05	90-150	0.1077E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.1427E-06	82.5-142.5	0.1412E-06	60	0- 60	0.7580E-06	90-150	0.7514E-06
75-89.77	0.1068E-03	-7.5 TO 52.5	0.4717E-07	82.5-142.5	0.4610E-07	75	0- 60	0.3835E-06	90-150	0.3779E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.3801E-06	82.5-157.5	0.3796E-06	0	0- 75	0.1933E-05	90-165	0.1933E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.3536E-06	82.5-157.5	0.3526E-06	15	0- 75	0.1867E-05	90-165	0.1863E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.3023E-06	82.5-157.5	0.3008E-06	30	0- 75	0.1669E-05	90-165	0.1662E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.2301E-06	82.5-157.5	0.2284E-06	45	0- 75	0.1354E-05	90-165	0.1345E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1426E-06	82.5-157.5	0.1410E-06	60	0- 75	0.9470E-06	90-165	0.9386E-06
75-89.77	0.1335E-03	-7.5 TO 67.5	0.4711E-07	82.5-157.5	0.4601E-07	75	0- 75	0.4789E-06	90-165	0.4719E-06
0-15.00	0.2142E-04	-7.5 TO 82.5	0.3801E-06	82.5-172.5	0.3796E-06	0	0- 90	0.2320E-05	90-180	0.2320E-05
15-30.00	0.6279E-04	-7.5 TO 82.5	0.3535E-06	82.5-172.5	0.3525E-06	15	0- 90	0.2240E-05	90-180	0.2236E-05
30-45.00	0.9988E-04	-7.5 TO 82.5	0.3022E-06	82.5-172.5	0.3007E-06	30	0- 90	0.2002E-05	90-180	0.1994E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.2300E-06	82.5-172.5	0.2283E-06	45	0- 90	0.1624E-05	90-180	0.1614E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1425E-06	82.5-172.5	0.1410E-06	60	0- 90	0.1136E-05	90-180	0.1126E-05
75-89.77	0.1602E-03	-7.5 TO 82.5	0.4703E-07	82.5-172.5	0.4594E-07	75	0- 90	0.5741E-06	90-180	0.5658E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.3800E-06	82.5-187.5	0.3796E-06	0	0-105	0.2707E-05	90-195	0.2707E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.3534E-06	82.5-187.5	0.3524E-06	15	0-105	0.2613E-05	90-195	0.2608E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.3020E-06	82.5-187.5	0.3006E-06	30	0-105	0.2334E-05	90-195	0.2326E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.2298E-06	82.5-187.5	0.2283E-06	45	0-105	0.1893E-05	90-195	0.1883E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.1423E-06	82.5-187.5	0.1409E-06	60	0-105	0.1324E-05	90-195	0.1313E-05
75-89.77	0.1868E-03	-7.5 TO 97.5	0.4694E-07	82.5-187.5	0.4589E-07	75	0-105	0.6689E-06	90-195	0.6597E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

r_2/r_1 = 0.60 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0032 $\cosh \mu_2$ = 83.3280 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 134.51

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.7593E-06	82.5- 97.5	0.7581E-06	0	0- 15	0.7718E-06	90-105	0.7718E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.7070E-06	82.5- 97.5	0.7045E-06	15	0- 15	0.7462E-06	90-105	0.7442E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.6050E-06	82.5- 97.5	0.6015E-06	30	0- 15	0.6676E-06	90-105	0.6642E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.4611E-06	82.5- 97.5	0.4572E-06	45	0- 15	0.5424E-06	90-105	0.5381E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.2862E-06	82.5- 97.5	0.2827E-06	60	0- 15	0.3800E-06	90-105	0.3757E-06
75-89.77	0.2669E-04	-7.5 TO 7.5	0.9513E-07	82.5- 97.5	0.9265E-07	75	0- 15	0.1927E-06	90-105	0.1892E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.7593E-06	82.5-112.5	0.7580E-06	0	0- 30	0.1544E-05	90-120	0.1544E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.7070E-06	82.5-112.5	0.7042E-06	15	0- 30	0.1492E-05	90-120	0.1488E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.6049E-06	82.5-112.5	0.6010E-06	30	0- 30	0.1335E-05	90-120	0.1328E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.4610E-06	82.5-112.5	0.4567E-06	45	0- 30	0.1084E-05	90-120	0.1075E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.2861E-06	82.5-112.5	0.2822E-06	60	0- 30	0.7596E-06	90-120	0.7504E-06
75-89.77	0.5338E-04	-7.5 TO 22.5	0.9509E-07	82.5-112.5	0.9233E-07	75	0- 30	0.3853E-06	90-120	0.3776E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.7592E-06	82.5-127.5	0.7578E-06	0	0- 45	0.2315E-05	90-135	0.2315E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.7069E-06	82.5-127.5	0.7039E-06	15	0- 45	0.2238E-05	90-135	0.2231E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.6048E-06	82.5-127.5	0.6006E-06	30	0- 45	0.2002E-05	90-135	0.1990E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.4608E-06	82.5-127.5	0.4562E-06	45	0- 45	0.1626E-05	90-135	0.1612E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.2860E-06	82.5-127.5	0.2818E-06	60	0- 45	0.1139E-05	90-135	0.1124E-05
75-89.77	0.8008E-04	-7.5 TO 37.5	0.9500E-07	82.5-127.5	0.9203E-07	75	0- 45	0.5774E-06	90-135	0.5693E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.7591E-06	82.5-142.5	0.7577E-06	0	0- 60	0.3087E-05	90-150	0.3087E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.7067E-06	82.5-142.5	0.7036E-06	15	0- 60	0.2984E-05	90-150	0.2975E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.6046E-06	82.5-142.5	0.6002E-06	30	0- 60	0.2669E-05	90-150	0.2653E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.4606E-06	82.5-142.5	0.4558E-06	45	0- 60	0.2167E-05	90-150	0.2147E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.2858E-06	82.5-142.5	0.2814E-06	60	0- 60	0.1517E-05	90-150	0.1497E-05
75-89.77	0.1068E-03	-7.5 TO 52.5	0.9485E-07	82.5-142.5	0.9175E-07	75	0- 60	0.7689E-06	90-150	0.7524E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.7591E-06	82.5-157.5	0.7576E-06	0	0- 75	0.3859E-05	90-165	0.3859E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.7065E-06	82.5-157.5	0.7033E-06	15	0- 75	0.3729E-05	90-165	0.3717E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.6043E-06	82.5-157.5	0.5999E-06	30	0- 75	0.3334E-05	90-165	0.3314E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.4603E-06	82.5-157.5	0.4554E-06	45	0- 75	0.2707E-05	90-165	0.2682E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.2855E-06	82.5-157.5	0.2810E-06	60	0- 75	0.1895E-05	90-165	0.1870E-05
75-89.77	0.1335E-03	-7.5 TO 67.5	0.9466E-07	82.5-157.5	0.9150E-07	75	0- 75	0.9597E-06	90-165	0.9391E-06
0-15.00	0.2142E-04	-7.5 TO 82.5	0.7589E-06	82.5-172.5	0.7575E-06	0	0- 90	0.4631E-05	90-180	0.4631E-05
15-30.00	0.6279E-04	-7.5 TO 82.5	0.7063E-06	82.5-172.5	0.7031E-06	15	0- 90	0.4473E-05	90-180	0.4460E-05
30-45.00	0.9588E-04	-7.5 TO 82.5	0.6040E-06	82.5-172.5	0.5996E-06	30	0- 90	0.3999E-05	90-180	0.3976E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.4600E-06	82.5-172.5	0.4551E-06	45	0- 90	0.3246E-05	90-180	0.3217E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.2852E-06	82.5-172.5	0.2807E-06	60	0- 90	0.2272E-05	90-180	0.2243E-05
75-89.77	0.1602E-03	-7.5 TO 82.5	0.9443E-07	82.5-172.5	0.9130E-07	75	0- 90	0.1150E-05	90-180	0.1126E-05
0-15.00	0.2498E-04	-7.5 TO 97.5	0.7588E-06	82.5-187.5	0.7574E-06	0	0-105	0.5403E-05	90-195	0.5403E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.7060E-06	82.5-187.5	0.7030E-06	15	0-105	0.5218E-05	90-195	0.5203E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.6036E-06	82.5-187.5	0.5994E-06	30	0-105	0.4664E-05	90-195	0.4638E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.4596E-06	82.5-187.5	0.4549E-06	45	0-105	0.3784E-05	90-195	0.3752E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.2848E-06	82.5-187.5	0.2805E-06	60	0-105	0.2647E-05	90-195	0.2615E-05
75-89.77	0.1868E-03	-7.5 TO 97.5	0.9417E-07	82.5-187.5	0.9114E-07	75	0-105	0.1339E-05	90-195	0.1312E-05

r_2/r_1 = 0.60 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0032 $\cosh \mu_2$ = 83.3280 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 119.40

0-15.00	0.3569E-05	-7.5 TO 7.5	0.1137E-05	82.5- 97.5	0.1134E-05	0	0- 15	0.1155E-05	90-105	0.1155E-05
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1059E-05	82.5- 97.5	0.1054E-05	15	0- 15	0.1117E-05	90-105	0.1113E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.9071E-06	82.5- 97.5	0.9000E-06	30	0- 15	0.1001E-05	90-105	0.9936E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.6918E-06	82.5- 97.5	0.6841E-06	45	0- 15	0.8134E-06	90-105	0.8049E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.4299E-06	82.5- 97.5	0.4229E-06	60	0- 15	0.5704E-06	90-105	0.5619E-06
75-89.77	0.2669E-04	-7.5 TO 7.5	0.1434E-06	82.5- 97.5	0.1386E-06	75	0- 15	0.2898E-06	90-105	0.2829E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.1137E-05	82.5-112.5	0.1134E-05	0	0- 30	0.2310E-05	90-120	0.2310E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1059E-05	82.5-112.5	0.1053E-05	15	0- 30	0.2234E-05	90-120	0.2226E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.9069E-06	82.5-112.5	0.8991E-06	30	0- 30	0.2001E-05	90-120	0.1986E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.6917E-06	82.5-112.5	0.6831E-06	45	0- 30	0.1626E-05	90-120	0.1608E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.4297E-06	82.5-112.5	0.4220E-06	60	0- 30	0.1140E-05	90-120	0.1122E-05
75-89.77	0.5338E-04	-7.5 TO 22.5	0.1433E-06	82.5-112.5	0.1380E-06	75	0- 30	0.5792E-06	90-120	0.5643E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1137E-05	82.5-127.5	0.1134E-05	0	0- 45	0.3464E-05	90-135	0.3464E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1059E-05	82.5-127.5	0.1053E-05	15	0- 45	0.3351E-05	90-135	0.3338E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.9067E-06	82.5-127.5	0.8982E-06	30	0- 45	0.3000E-05	90-135	0.2976E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.6914E-06	82.5-127.5	0.6822E-06	45	0- 45	0.2438E-05	90-135	0.2409E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.4295E-06	82.5-127.5	0.4212E-06	60	0- 45	0.1709E-05	90-135	0.1680E-05
75-89.77	0.8008E-04	-7.5 TO 37.5	0.1431E-06	82.5-127.5	0.1375E-06	75	0- 45	0.8677E-06	90-135	0.8443E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1136E-05	82.5-142.5	0.1133E-05	0	0- 60	0.4619E-05	90-150	0.4619E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.1059E-05	82.5-142.5	0.1052E-05	15	0- 60	0.4467E-05	90-150	0.4449E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.9062E-06	82.5-142.5	0.8974E-06	30	0- 60	0.3998E-05	90-150	0.3966E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.6909E-06	82.5-142.5	0.6813E-06	45	0- 60	0.3249E-05	90-150	0.3209E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.4291E-06	82.5-142.5	0.4204E-06	60	0- 60	0.2277E-05	90-150	0.2237E-05
75-89.77	0.1068E-03	-7.5 TO 52.5	0.1428E-06	82.5-142.5	0.1369E-06	75	0- 60	0.1155E-05	90-150	0.1123E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1136E-05	82.5-157.5	0.1133E-05	0	0- 75	0.5774E-05	90-165	0.5774E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1058E-05	82.5-157.5	0.1052E-05	15	0- 75	0.5582E-05	90-165	0.5560E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.9057E-06	82.5-157.5	0.8967E-06	30	0- 75	0.4995E-05	90-165	0.4954E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.6903E-06	82.5-157.5	0.6805E-06	45	0- 75	0.4058E-05	90-165	0.4008E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.4285E-06	82.5-157.5	0.4197E-06	60	0- 75	0.2842E-05	90-165	0.2793E-05
75-89.77	0.1335E-03	-7.5 TO 67.5	0.1424E-06	82.5-157.5	0.1365E-06	75	0- 75	0.1441E-05	90-165	0.1401E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.1136E-05	82.5-172.5	0.1133E-05	0	0- 90	0.6929E-05	90-180	0.6929E-05
15-30.00	0.6279E-04	-7.5 TO 82.5	0.1058E-05	82.5-172.5	0.1051E-05	15	0- 90	0.6697E-05	90-180	0.6670E-05
30-45.00	0.9588E-04	-7.5 TO 82.5	0.9050E-06	82.5-172.5	0.8961E-06	30	0- 90	0.5990E-05	90-180	0.5943E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.6896E-06	82.5-172.5	0.6799E-06	45	0- 90	0.4864E-05	90-180	0.4806E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.4279E-06	82.5-172.5	0.4192E-06	60	0- 90	0.3406E-05	90-180	0.3348E-05
75-89.77	0.1602E-03	-7.5 TO 82.5	0.1420E-06	82.5-172.5	0.1361E-06	75	0- 90	0.1726E-05	90-180	0.1679E-05
0-15.00	0.2498E-04	-7.5 TO 97.5	0.1136E-05	82.5-187.5	0.1133E-05	0	0-105	0.8084E-05	90-195	0.8084E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.1057E-05	82.5-187.5	0.1051E-05	15	0-105	0.7810E-05	90-195	0.7780E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.9043E-06	82.5-187.5	0.8957E-06	30	0-105	0.6984E-05	90-195	0.6931E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.6888E-06	82.5-187.5	0.6794E-06	45	0-105	0.5669E-05	90-195	0.5604E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.4272E-06	82.5-187.5	0.4187E-06	60	0-105	0.3968E-05	90-195	0.3904E-05
75-89.77	0.1868E-03	-7.5 TO 97.5	0.1415E-06	82.5-187.5	0.1358E-06	75	0-105	0.2009E-05	90-195	0.1957E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Continued. Radius ratio, r_2/r_1, 0.60

r_2/r_1 = 0.60 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0032 $\cosh \mu_2$ = 83.3280 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 104.33

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.1411E-05	82.5- 97.5	0.1407E-05	0	0- 15	0.1432E-05	90-105	0.1432E-05
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1316E-05	82.5- 97.5	0.1307E-05	15	0- 15	0.1387E-05	90-105	0.1381E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1128E-05	82.5- 97.5	0.1116E-05	30	0- 15	0.1243E-05	90-105	0.1232E-05
45-60.00	0.2169E-04	-7.5 TO 7.5	0.8607E-06	82.5- 97.5	0.8485E-06	45	0- 15	0.1012E-05	90-105	0.9980E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.5353E-06	82.5- 97.5	0.5246E-06	60	0- 15	0.7099E-06	90-105	0.6966E-06
75-89.77	0.2669E-04	-7.5 TO 7.5	0.1789E-06	82.5- 97.5	0.1720E-06	75	0- 15	0.3611E-06	90-105	0.3507E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.1411E-05	82.5-112.5	0.1406E-05	0	0- 30	0.2865E-05	90-120	0.2865E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1315E-05	82.5-112.5	0.1306E-05	15	0- 30	0.2774E-05	90-120	0.2760E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.1127E-05	82.5-112.5	0.1115E-05	30	0- 30	0.2486E-05	90-120	0.2462E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.8605E-06	82.5-112.5	0.8470E-06	45	0- 30	0.2022E-05	90-120	0.1993E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.5351E-06	82.5-112.5	0.5232E-06	60	0- 30	0.1419E-05	90-120	0.1390E-05
75-89.77	0.5338E-04	-7.5 TO 22.5	0.1788E-06	82.5-112.5	0.1711E-06	75	0- 30	0.7216E-06	90-120	0.6991E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1411E-05	82.5-127.5	0.1406E-05	0	0- 45	0.4297E-05	90-135	0.4297E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1315E-05	82.5-127.5	0.1305E-05	15	0- 45	0.4160E-05	90-135	0.4139E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.1127E-05	82.5-127.5	0.1113E-05	30	0- 45	0.3727E-05	90-135	0.3689E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.8600E-06	82.5-127.5	0.8455E-06	45	0- 45	0.3032E-05	90-135	0.2985E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.5347E-06	82.5-127.5	0.5219E-06	60	0- 45	0.2127E-05	90-135	0.2081E-05
75-89.77	0.8008E-04	-7.5 TO 37.5	0.1785E-06	82.5-127.5	0.1702E-06	75	0- 45	0.1081E-05	90-135	0.1045E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1410E-05	82.5-142.5	0.1406E-05	0	0- 60	0.5730E-05	90-150	0.5730E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.1315E-05	82.5-142.5	0.1304E-05	15	0- 60	0.5545E-05	90-150	0.5516E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.1126E-05	82.5-142.5	0.1112E-05	30	0- 60	0.4967E-05	90-150	0.4915E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.8593E-06	82.5-142.5	0.8441E-06	45	0- 60	0.4039E-05	90-150	0.3975E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.5340E-06	82.5-142.5	0.5207E-06	60	0- 60	0.2832E-05	90-150	0.2770E-05
75-89.77	0.1068E-03	-7.5 TO 52.5	0.1781E-06	82.5-142.5	0.1695E-06	75	0- 60	0.1438E-05	90-150	0.1390E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1410E-05	82.5-157.5	0.1405E-05	0	0- 75	0.7162E-05	90-165	0.7162E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1314E-05	82.5-157.5	0.1304E-05	15	0- 75	0.6929E-05	90-165	0.6892E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.1125E-05	82.5-157.5	0.1111E-05	30	0- 75	0.6204E-05	90-165	0.6139E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.8584E-06	82.5-157.5	0.8429E-06	45	0- 75	0.5043E-05	90-165	0.4963E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.5332E-06	82.5-157.5	0.5197E-06	60	0- 75	0.3535E-05	90-165	0.3457E-05
75-89.77	0.1335E-03	-7.5 TO 67.5	0.1776E-06	82.5-157.5	0.1688E-06	75	0- 75	0.1794E-05	90-165	0.1734E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.1410E-05	82.5-172.5	0.1405E-05	0	0- 90	0.8594E-05	90-180	0.8594E-05
15-30.00	0.6279E-04	-7.5 TO 82.5	0.1313E-05	82.5-172.5	0.1303E-05	15	0- 90	0.8311E-05	90-180	0.8268E-05
30-45.00	0.9988E-04	-7.5 TO 82.5	0.1124E-05	82.5-172.5	0.1110E-05	30	0- 90	0.7439E-05	90-180	0.7362E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.8573E-06	82.5-172.5	0.8419E-06	45	0- 90	0.6044E-05	90-180	0.5951E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.5322E-06	82.5-172.5	0.5188E-06	60	0- 90	0.4234E-05	90-180	0.4144E-05
75-89.77	0.1602E-03	-7.5 TO 82.5	0.1769E-06	82.5-172.5	0.1682E-06	75	0- 90	0.2147E-05	90-180	0.2076E-05
0-15.00	0.2498E-04	-7.5 TO 97.5	0.1409E-05	82.5-187.5	0.1405E-05	0	0-105	0.1003E-04	90-195	0.1003E-04
15-30.00	0.7325E-04	-7.5 TO 97.5	0.1312E-05	82.5-187.5	0.1302E-05	15	0-105	0.9692E-05	90-195	0.9644E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1123E-05	82.5-187.5	0.1109E-05	30	0-105	0.8671E-05	90-195	0.8586E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.8560E-06	82.5-187.5	0.8411E-06	45	0-105	0.7042E-05	90-195	0.6939E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.5312E-06	82.5-187.5	0.5181E-06	60	0-105	0.4931E-05	90-195	0.4831E-05
75-89.77	0.1868E-03	-7.5 TO 97.5	0.1762E-06	82.5-187.5	0.1678E-06	75	0-105	0.2498E-05	90-195	0.2419E-05

r_2/r_1 = 0.60 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0032 $\cosh \mu_2$ = 83.3280 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 89.31

0-15.00	0.3569E-05	-7.5 TO 7.5	0.1509E-05	82.5- 97.5	0.1503E-05	0	0- 15	0.1530E-05	90-105	0.1530E-05
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1408E-05	82.5- 97.5	0.1397E-05	15	0- 15	0.1484E-05	90-105	0.1475E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1208E-05	82.5- 97.5	0.1193E-05	30	0- 15	0.1331E-05	90-105	0.1316E-05
45-60.00	0.2169E-04	-7.5 TO 7.5	0.9230E-06	82.5- 97.5	0.9067E-06	45	0- 15	0.1084E-05	90-105	0.1066E-05
60-75.00	0.2526E-04	-7.5 TO 7.5	0.5744E-06	82.5- 97.5	0.5605E-06	60	0- 15	0.7615E-06	90-105	0.7440E-06
75-89.77	0.2669E-04	-7.5 TO 7.5	0.1921E-06	82.5- 97.5	0.1838E-06	75	0- 15	0.3876E-06	90-105	0.3745E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.1508E-05	82.5-112.5	0.1503E-05	0	0- 30	0.3061E-05	90-120	0.3061E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1408E-05	82.5-112.5	0.1396E-05	15	0- 30	0.2967E-05	90-120	0.2949E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.1208E-05	82.5-112.5	0.1191E-05	30	0- 30	0.2662E-05	90-120	0.2629E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.9227E-06	82.5-112.5	0.9046E-06	45	0- 30	0.2168E-05	90-120	0.2128E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.5742E-06	82.5-112.5	0.5588E-06	60	0- 30	0.1522E-05	90-120	0.1484E-05
75-89.77	0.5338E-04	-7.5 TO 22.5	0.1920E-06	82.5-112.5	0.1827E-06	75	0- 30	0.7745E-06	90-120	0.7461E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1508E-05	82.5-127.5	0.1502E-05	0	0- 45	0.4591E-05	90-135	0.4591E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1408E-05	82.5-127.5	0.1394E-05	15	0- 45	0.4450E-05	90-135	0.4420E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.1207E-05	82.5-127.5	0.1189E-05	30	0- 45	0.3991E-05	90-135	0.3938E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.9221E-06	82.5-127.5	0.9026E-06	45	0- 45	0.3249E-05	90-135	0.3186E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.5736E-06	82.5-127.5	0.5571E-06	60	0- 45	0.2280E-05	90-135	0.2221E-05
75-89.77	0.8008E-04	-7.5 TO 37.5	0.1917E-06	82.5-127.5	0.1817E-06	75	0- 45	0.1160E-05	90-135	0.1115E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1508E-05	82.5-142.5	0.1501E-05	0	0- 60	0.6122E-05	90-150	0.6122E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.1407E-05	82.5-142.5	0.1393E-05	15	0- 60	0.5931E-05	90-150	0.5890E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.1206E-05	82.5-142.5	0.1187E-05	30	0- 60	0.5317E-05	90-150	0.5246E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.9211E-06	82.5-142.5	0.9008E-06	45	0- 60	0.4327E-05	90-150	0.4241E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.5728E-06	82.5-142.5	0.5556E-06	60	0- 60	0.3036E-05	90-150	0.2954E-05
75-89.77	0.1068E-03	-7.5 TO 52.5	0.1912E-06	82.5-142.5	0.1807E-06	75	0- 60	0.1543E-05	90-150	0.1482E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1508E-05	82.5-157.5	0.1501E-05	0	0- 75	0.7652E-05	90-165	0.7652E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1406E-05	82.5-157.5	0.1392E-05	15	0- 75	0.7410E-05	90-165	0.7359E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.1205E-05	82.5-157.5	0.1186E-05	30	0- 75	0.6640E-05	90-165	0.6551E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.9198E-06	82.5-157.5	0.8992E-06	45	0- 75	0.5401E-05	90-165	0.5294E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.5717E-06	82.5-157.5	0.5542E-06	60	0- 75	0.3788E-05	90-165	0.3686E-05
75-89.77	0.1335E-03	-7.5 TO 67.5	0.1905E-06	82.5-157.5	0.1799E-06	75	0- 75	0.1923E-05	90-165	0.1847E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.1507E-05	82.5-172.5	0.1500E-05	0	0- 90	0.9183E-05	90-180	0.9183E-05
15-30.00	0.6279E-04	-7.5 TO 82.5	0.1405E-05	82.5-172.5	0.1391E-05	15	0- 90	0.8887E-05	90-180	0.8828E-05
30-45.00	0.9988E-04	-7.5 TO 82.5	0.1204E-05	82.5-172.5	0.1184E-05	30	0- 90	0.7960E-05	90-180	0.7856E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.9183E-06	82.5-172.5	0.8978E-06	45	0- 90	0.6471E-05	90-180	0.6346E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.5704E-06	82.5-172.5	0.5531E-06	60	0- 90	0.4536E-05	90-180	0.4417E-05
75-89.77	0.1602E-03	-7.5 TO 82.5	0.1897E-06	82.5-172.5	0.1793E-06	75	0- 90	0.2301E-05	90-180	0.2212E-05
0-15.00	0.2498E-04	-7.5 TO 97.5	0.1507E-05	82.5-187.5	0.1500E-05	0	0-105	0.1071E-04	90-195	0.1071E-04
15-30.00	0.7325E-04	-7.5 TO 97.5	0.1404E-05	82.5-187.5	0.1390E-05	15	0-105	0.1036E-04	90-195	0.1030E-04
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1202E-05	82.5-187.5	0.1183E-05	30	0-105	0.9276E-05	90-195	0.9160E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.9167E-06	82.5-187.5	0.8968E-06	45	0-105	0.7537E-05	90-195	0.7398E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.5690E-06	82.5-187.5	0.5522E-06	60	0-105	0.5280E-05	90-195	0.5148E-05
75-89.77	0.1868E-03	-7.5 TO 97.5	0.1889E-06	82.5-187.5	0.1787E-06	75	0-105	0.2675E-05	90-195	0.2577E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(g) Concluded. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0032$ $\cosh \mu_2 = 83.32$ $\alpha_{2,max} = 90.23$ $\theta_{2,min} = 89.08$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.1509E-05	82.5- 97.5	0.1503E-05	0	0- 15	0.1530E-05	90-105	0.1530E-05
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1408E-05	82.5- 97.5	0.1397E-05	15	0- 15	0.1484E-05	90-105	0.1475E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1208E-05	82.5- 97.5	0.1193E-05	30	0- 15	0.1331E-05	90-105	0.1316E-05
45-60.00	0.2169E-04	-7.5 TO 7.5	0.9230E-06	82.5- 97.5	0.9067E-06	45	0- 15	0.1084E-05	90-105	0.1066E-05
60-75.00	0.2526E-04	-7.5 TO 7.5	0.5744E-06	82.5- 97.5	0.5605E-06	60	0- 15	0.7615E-06	90-105	0.7440E-06
75-89.77	0.2669E-04	-7.5 TO 7.5	0.1921E-06	82.5- 97.5	0.1838E-06	75	0- 15	0.3876E-06	90-105	0.3745E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.1508E-05	82.5-112.5	0.1503E-05	0	0- 30	0.3061E-05	90-120	0.3061E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1408E-05	82.5-112.5	0.1396E-05	15	0- 30	0.2967E-05	90-120	0.2949E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.1208E-05	82.5-112.5	0.1191E-05	30	0- 30	0.2662E-05	90-120	0.2629E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.9227E-06	82.5-112.5	0.9046E-06	45	0- 30	0.2168E-05	90-120	0.2128E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.5742E-06	82.5-112.5	0.5588E-06	60	0- 30	0.1522E-05	90-120	0.1484E-05
75-89.77	0.5338E-04	-7.5 TO 22.5	0.1920E-06	82.5-112.5	0.1827E-06	75	0- 30	0.7745E-06	90-120	0.7461E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1508E-05	82.5-127.5	0.1502E-05	0	0- 45	0.4591E-05	90-135	0.4591E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1408E-05	82.5-127.5	0.1394E-05	15	0- 45	0.4450E-05	90-135	0.4420E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.1207E-05	82.5-127.5	0.1189E-05	30	0- 45	0.3991E-05	90-135	0.3938E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.9221E-06	82.5-127.5	0.9026E-06	45	0- 45	0.3249E-05	90-135	0.3186E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.5736E-06	82.5-127.5	0.5571E-06	60	0- 45	0.2280E-05	90-135	0.2221E-05
75-89.77	0.8008E-04	-7.5 TO 37.5	0.1917E-06	82.5-127.5	0.1817E-06	75	0- 45	0.1160E-05	90-135	0.1115E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1508E-05	82.5-142.5	0.1501E-05	0	0- 60	0.6122E-05	90-150	0.6122E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.1407E-05	82.5-142.5	0.1393E-05	15	0- 60	0.5931E-05	90-150	0.5890E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.1206E-05	82.5-142.5	0.1187E-05	30	0- 60	0.5317E-05	90-150	0.5246E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.9211E-06	82.5-142.5	0.9008E-06	45	0- 60	0.4327E-05	90-150	0.4241E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.5728E-06	82.5-142.5	0.5556E-06	60	0- 60	0.3036E-05	90-150	0.2954E-05
75-89.77	0.1068E-03	-7.5 TO 52.5	0.1912E-06	82.5-142.5	0.1807E-06	75	0- 60	0.1543E-05	90-150	0.1482E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1508E-05	82.5-157.5	0.1501E-05	0	0- 75	0.7652E-05	90-165	0.7652E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1406E-05	82.5-157.5	0.1392E-05	15	0- 75	0.7410E-05	90-165	0.7359E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.1205E-05	82.5-157.5	0.1186E-05	30	0- 75	0.6640E-05	90-165	0.6551E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.9198E-06	82.5-157.5	0.8992E-06	45	0- 75	0.5401E-05	90-165	0.5294E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.5717E-06	82.5-157.5	0.5542E-06	60	0- 75	0.3788E-05	90-165	0.3686E-05
75-89.77	0.1335E-03	-7.5 TO 67.5	0.1905E-06	82.5-157.5	0.1799E-06	75	0- 75	0.1923E-05	90-165	0.1847E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.1507E-05	82.5-172.5	0.1500E-05	0	0- 90	0.9183E-05	90-180	0.9183E-05
15-30.00	0.6279E-04	-7.5 TO 82.5	0.1405E-05	82.5-172.5	0.1391E-05	15	0- 90	0.8887E-05	90-180	0.8828E-05
30-45.00	0.9588E-04	-7.5 TO 82.5	0.1204E-05	82.5-172.5	0.1184E-05	30	0- 90	0.7960E-05	90-180	0.7856E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.9183E-06	82.5-172.5	0.8978E-06	45	0- 90	0.6471E-05	90-180	0.6346E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.5705E-06	82.5-172.5	0.5531E-06	60	0- 90	0.4536E-05	90-180	0.4417E-05
75-89.77	0.1602E-03	-7.5 TO 82.5	0.1897E-06	82.5-172.5	0.1793E-06	75	0- 90	0.2301E-05	90-180	0.2212E-05
0-15.00	0.2498E-04	-7.5 TO 97.5	0.1507E-05	82.5-187.5	0.1500E-05	0	0-105	0.1071E-04	90-195	0.1071E-04
15-30.00	0.7325E-04	-7.5 TO 97.5	0.1404E-05	82.5-187.5	0.1390E-05	15	0-105	0.1036E-04	90-195	0.1030E-04
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1202E-05	82.5-187.5	0.1183E-05	30	0-105	0.9276E-05	90-195	0.9160E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.9167E-06	82.5-187.5	0.8968E-06	45	0-105	0.7537E-05	90-195	0.7398E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.5690E-06	82.5-187.5	0.5522E-06	60	0-105	0.5280E-05	90-195	0.5148E-05
75-89.77	0.1868E-03	-7.5 TO 97.5	0.1889E-06	82.5-187.5	0.1787E-06	75	0-105	0.2675E-05	90-195	0.2577E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 1.701$ $\cosh \mu_1 = 1.0004$ $\cosh \mu_2 = 1.0008$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 17.69$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1083E 02	-7.5 TO 7.5	0.2658E 00	82.5- 97.5	0.5403E-05	0	0- 15	0.4159E-01	90-105	0.4159E-01
15-30.00	0.3175E 02	-7.5 TO 7.5	0.7972E-03	82.5- 97.5	0.	15	0- 15	0.7693E-02	90-105	0.
30-45.00	0.5050E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	30	0- 15	0.	90-105	0.
45-60.00	0.6582E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
60-75.00	0.7665E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-79.84	0.2620E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.2166E 02	-7.5 TO 22.5	0.1711E 00	82.5-112.5	0.4016E-05	0	0- 30	0.8317E-01	90-120	0.8317E-01
15-30.00	0.6350E 02	-7.5 TO 22.5	0.6730E-03	82.5-112.5	0.	15	0- 30	0.1095E-01	90-120	0.
30-45.00	0.1010E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	30	0- 30	0.	90-120	0.
45-60.00	0.1316E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
60-75.00	0.1533E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-79.84	0.5241E 02	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.3249E 02	-7.5 TO 37.5	0.1170E 00	82.5-127.5	0.3299E-05	0	0- 45	0.1248E 00	90-135	0.1248E 00
15-30.00	0.9525E 02	-7.5 TO 37.5	0.5161E-03	82.5-127.5	0.	15	0- 45	0.1183E-01	90-135	0.
30-45.00	0.1515E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	30	0- 45	0.	90-135	0.
45-60.00	0.1975E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
60-75.00	0.2299E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-79.84	0.7861E 02	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.4332E 02	-7.5 TO 52.5	0.8813E-01	82.5-142.5	0.2840E-05	0	0- 60	0.1663E 00	90-150	0.1663E 00
15-30.00	0.1270E 03	-7.5 TO 52.5	0.3985E-03	82.5-142.5	0.	15	0- 60	0.1201E-01	90-150	0.
30-45.00	0.2020E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	30	0- 60	0.	90-150	0.
45-60.00	0.2633E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
60-75.00	0.3066E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-79.84	0.1048E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.5414E 02	-7.5 TO 67.5	0.7056E-01	82.5-157.5	0.2521E-05	0	0- 75	0.2079E 00	90-165	0.2079E 00
15-30.00	0.1587E 03	-7.5 TO 67.5	0.3198E-03	82.5-157.5	0.	15	0- 75	0.1202E-01	90-165	0.
30-45.00	0.2525E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	30	0- 75	0.	90-165	0.
45-60.00	0.3291E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
60-75.00	0.3832E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-79.84	0.1310E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.6497E 02	-7.5 TO 82.5	0.5881E-01	82.5-172.5	0.2290E-05	0	0- 90	0.2495E 00	90-180	0.2495E 00
15-30.00	0.1905E 03	-7.5 TO 82.5	0.2665E-03	82.5-172.5	0.	15	0- 90	0.1202E-01	90-180	0.
30-45.00	0.3030E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	30	0- 90	0.	90-180	0.
45-60.00	0.3949E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
60-75.00	0.4599E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-79.84	0.1572E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.7580E 02	-7.5 TO 97.5	0.5041E-01	82.5-187.5	0.2119E-05	0	0-105	0.2911E 00	90-195	0.2911E 00
15-30.00	0.2222E 03	-7.5 TO 97.5	0.2285E-03	82.5-187.5	0.	15	0-105	0.1202E-01	90-195	0.
30-45.00	0.3535E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	30	0-105	0.	90-195	0.
45-60.00	0.4607E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.
60-75.00	0.5365E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-79.84	0.1834E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

$r_2/r_1 = 0.70$ $d/r_1 = 1.701$ $\cosh \mu_1 = 1.0004$ $\cosh \mu_2 = 1.0008$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 8.75$

0-15.00	0.1083E 02	-7.5 TO 7.5	0.4327E 00	82.5- 97.5	0.5520E-05	0	0- 15	0.4159E-01	90-105	0.4159E-01
15-30.00	0.3175E 02	-7.5 TO 7.5	0.7382E-01	82.5- 97.5	0.	15	0- 15	0.2238E 00	90-105	0.
30-45.00	0.5050E 02	-7.5 TO 7.5	0.2120E-02	82.5- 97.5	0.	30	0- 15	0.8718E-02	90-105	0.
45-60.00	0.6582E 02	-7.5 TO 7.5	0.2250E-05	82.5- 97.5	0.	45	0- 15	0.3412E-04	90-105	0.
60-75.00	0.7665E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-79.84	0.2620E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.2166E 02	-7.5 TO 22.5	0.2934E 00	82.5-112.5	0.4075E-05	0	0- 30	0.8317E-01	90-120	0.8317E-01
15-30.00	0.6350E 02	-7.5 TO 22.5	0.5873E-01	82.5-112.5	0.	15	0- 30	0.2854E 00	90-120	0.
30-45.00	0.1010E 03	-7.5 TO 22.5	0.1842E-02	82.5-112.5	0.	30	0- 30	0.1336E-01	90-120	0.
45-60.00	0.1316E 03	-7.5 TO 22.5	0.1611E-05	82.5-112.5	0.	45	0- 30	0.3745E-04	90-120	0.
60-75.00	0.1533E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-79.84	0.5241E 02	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.3249E 02	-7.5 TO 37.5	0.2038E 00	82.5-127.5	0.3338E-05	0	0- 45	0.1248E 00	90-135	0.1248E 00
15-30.00	0.9525E 02	-7.5 TO 37.5	0.4347E-01	82.5-127.5	0.	15	0- 45	0.2979E 00	90-135	0.
30-45.00	0.1515E 03	-7.5 TO 37.5	0.1443E-02	82.5-127.5	0.	30	0- 45	0.1488E-01	90-135	0.
45-60.00	0.1975E 03	-7.5 TO 37.5	0.1085E-05	82.5-127.5	0.	45	0- 45	0.3745E-04	90-135	0.
60-75.00	0.2299E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-79.84	0.7861E 02	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.4332E 02	-7.5 TO 52.5	0.1540E 00	82.5-142.5	0.2870E-05	0	0- 60	0.1663E 00	90-150	0.1663E 00
15-30.00	0.1270E 03	-7.5 TO 52.5	0.3337E-01	82.5-142.5	0.	15	0- 60	0.3004E 00	90-150	0.
30-45.00	0.2020E 03	-7.5 TO 52.5	0.1119E-02	82.5-142.5	0.	30	0- 60	0.1517E-01	90-150	0.
45-60.00	0.2633E 03	-7.5 TO 52.5	0.8136E-06	82.5-142.5	0.	45	0- 60	0.3745E-04	90-150	0.
60-75.00	0.3066E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-79.84	0.1048E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.5414E 02	-7.5 TO 67.5	0.1233E 00	82.5-157.5	0.2545E-05	0	0- 75	0.2079E 00	90-165	0.2079E 00
15-30.00	0.1587E 03	-7.5 TO 67.5	0.2681E-01	82.5-157.5	0.	15	0- 75	0.3007E 00	90-165	0.
30-45.00	0.2525E 03	-7.5 TO 67.5	0.4977E-03	82.5-157.5	0.	30	0- 75	0.1519E-01	90-165	0.
45-60.00	0.3291E 03	-7.5 TO 67.5	0.6509E-06	82.5-157.5	0.	45	0- 75	0.3745E-04	90-165	0.
60-75.00	0.3832E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-79.84	0.1310E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.6497E 02	-7.5 TO 82.5	0.1028E 00	82.5-172.5	0.2309E-05	0	0- 90	0.2495E 00	90-180	0.2495E 00
15-30.00	0.1905E 03	-7.5 TO 82.5	0.2236E-01	82.5-172.5	0.	15	0- 90	0.3007E 00	90-180	0.
30-45.00	0.3030E 03	-7.5 TO 82.5	0.7481E-03	82.5-172.5	0.	30	0- 90	0.1519E-01	90-180	0.
45-60.00	0.3949E 03	-7.5 TO 82.5	0.5424E-06	82.5-172.5	0.	45	0- 90	0.3745E-04	90-180	0.
60-75.00	0.4599E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-79.84	0.1572E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.7580E 02	-7.5 TO 97.5	0.8809E-01	82.5-187.5	0.2136E-05	0	0-105	0.2911E 00	90-195	0.2911E 00
15-30.00	0.2222E 03	-7.5 TO 97.5	0.1916E-01	82.5-187.5	0.	15	0-105	0.3007E 00	90-195	0.
30-45.00	0.3535E 03	-7.5 TO 97.5	0.6412E-03	82.5-187.5	0.	30	0-105	0.1519E-01	90-195	0.
45-60.00	0.4607E 03	-7.5 TO 97.5	0.4649E-06	82.5-187.5	0.	45	0-105	0.3745E-04	90-195	0.
60-75.00	0.5365E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-79.84	0.1834E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 1.701$ $\cosh \mu_1 = 1.0004$ $\cosh \mu_2 = 1.0008$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 5.66$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1083E 02	-7.5 TO 7.5	0.4400E 00	82.5- 97.5	0.5520E-05	0	0- 15	0.4159E-01	90-105	0.4159E-01
15-30.00	0.3175E 02	-7.5 TO 7.5	0.1359E 00	82.5- 97.5	0.	15	0- 15	0.2500E 00	90-105	0.
30-45.00	0.5050E 02	-7.5 TO 7.5	0.1930E-01	82.5- 97.5	0.	30	0- 15	0.4900E-01	90-105	0.
45-60.00	0.6582E 02	-7.5 TO 7.5	0.1397E-02	82.5- 97.5	0.	45	0- 15	0.4632E-02	90-105	0.
60-75.00	0.7665E 02	-7.5 TO 7.5	0.2203E-05	82.5- 97.5	0.	60	0- 15	0.2894E-04	90-105	0.
75-79.84	0.2620E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.2166E 02	-7.5 TO 22.5	0.2992E 00	82.5-112.5	0.4075E-05	0	0- 30	0.8317E-01	90-120	0.8317E-01
15-30.00	0.6350E 02	-7.5 TO 22.5	0.1105E 00	82.5-112.5	0.	15	0- 30	0.3210E 00	90-120	0.
30-45.00	0.1010E 03	-7.5 TO 22.5	0.1689E-01	82.5-112.5	0.	30	0- 30	0.7439E-01	90-120	0.
45-60.00	0.1316E 03	-7.5 TO 22.5	0.1225E-02	82.5-112.5	0.	45	0- 30	0.7367E-02	90-120	0.
60-75.00	0.1533E 03	-7.5 TO 22.5	0.1527E-05	82.5-112.5	0.	60	0- 30	0.3071E-04	90-120	0.
75-79.84	0.5241E 02	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.3249E 02	-7.5 TO 37.5	0.2081E 00	82.5-127.5	0.3338E-05	0	0- 45	0.1248E 00	90-135	0.1248E 00
15-30.00	0.9525E 02	-7.5 TO 37.5	0.8309E-01	82.5-127.5	0.	15	0- 45	0.3357E 00	90-135	0.
30-45.00	0.1515E 03	-7.5 TO 37.5	0.1346E-01	82.5-127.5	0.	30	0- 45	0.8296E-01	90-135	0.
45-60.00	0.1975E 03	-7.5 TO 37.5	0.9623E-03	82.5-127.5	0.	45	0- 45	0.8306E-02	90-135	0.
60-75.00	0.2299E 03	-7.5 TO 37.5	0.1025E-05	82.5-127.5	0.	60	0- 45	0.3071E-04	90-135	0.
75-79.84	0.7861E 02	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.4332E 02	-7.5 TO 52.5	0.1572E 00	82.5-142.5	0.2870E-05	0	0- 60	0.1663E 00	90-150	0.1663E 00
15-30.00	0.1270E 03	-7.5 TO 52.5	0.6408E-01	82.5-142.5	0.	15	0- 60	0.3383E 00	90-150	0.
30-45.00	0.2020E 03	-7.5 TO 52.5	0.1060E-01	82.5-142.5	0.	30	0- 60	0.8510E-01	90-150	0.
45-60.00	0.2633E 03	-7.5 TO 52.5	0.7434E-03	82.5-142.5	0.	45	0- 60	0.8450E-02	90-150	0.
60-75.00	0.3066E 03	-7.5 TO 52.5	0.7684E-06	82.5-142.5	0.	60	0- 60	0.3071E-04	90-150	0.
75-79.84	0.1048E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.5414E 02	-7.5 TO 67.5	0.1259E 00	82.5-157.5	0.2545E-05	0	0- 75	0.2079E 00	90-165	0.2079E 00
15-30.00	0.1587E 03	-7.5 TO 67.5	0.5153E-01	82.5-157.5	0.	15	0- 75	0.3386E 00	90-165	0.
30-45.00	0.2525E 03	-7.5 TO 67.5	0.8557E-02	82.5-157.5	0.	30	0- 75	0.8541E-01	90-165	0.
45-60.00	0.3291E 03	-7.5 TO 67.5	0.5957E-03	82.5-157.5	0.	45	0- 75	0.8451E-02	90-165	0.
60-75.00	0.3832E 03	-7.5 TO 67.5	0.6147E-06	82.5-157.5	0.	60	0- 75	0.3071E-04	90-165	0.
75-79.84	0.1310E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.6497E 02	-7.5 TO 82.5	0.1050E 00	82.5-172.5	0.2309E-05	0	0- 90	0.2495E 00	90-180	0.2495E 00
15-30.00	0.1905E 03	-7.5 TO 82.5	0.4296E-01	82.5-172.5	0.	15	0- 90	0.3386E 00	90-180	0.
30-45.00	0.3030E 03	-7.5 TO 82.5	0.7136E-02	82.5-172.5	0.	30	0- 90	0.8542E-01	90-180	0.
45-60.00	0.3949E 03	-7.5 TO 82.5	0.4964E-03	82.5-172.5	0.	45	0- 90	0.8451E-02	90-180	0.
60-75.00	0.4599E 03	-7.5 TO 82.5	0.5123E-06	82.5-172.5	0.	60	0- 90	0.3071E-04	90-180	0.
75-79.84	0.1572E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.7580E 02	-7.5 TO 97.5	0.8997E-01	82.5-187.5	0.2136E-05	0	0-105	0.2911E 00	90-195	0.2911E 00
15-30.00	0.2222E 03	-7.5 TO 97.5	0.3682E-01	82.5-187.5	0.	15	0-105	0.3386E 00	90-195	0.
30-45.00	0.3535E 03	-7.5 TO 97.5	0.6117E-02	82.5-187.5	0.	30	0-105	0.8542E-01	90-195	0.
45-60.00	0.4607E 03	-7.5 TO 97.5	0.4255E-03	82.5-187.5	0.	45	0-105	0.8451E-02	90-195	0.
60-75.00	0.5365E 03	-7.5 TO 97.5	0.4391E-06	82.5-187.5	0.	60	0-105	0.3071E-04	90-195	0.
75-79.84	0.1834E 03	-7.5 TO 97.5	0	82.5-187.5	0.	75	0-105	0	90-195	0.

$r_2/r_1 = 0.70$ $d/r_1 = 1.701$ $\cosh \mu_1 = 1.0004$ $\cosh \mu_2 = 1.0008$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 4.07$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1083E 02	-7.5 TO 7.5	0.4399E 00	82.5- 97.5	0.5520E-05	0	0- 15	0.4159E-01	90-105	0.4159E-01
15-30.00	0.3175E 02	-7.5 TO 7.5	0.1488E 00	82.5- 97.5	0.	15	0- 15	0.2497E 00	90-105	0.
30-45.00	0.5050E 02	-7.5 TO 7.5	0.3548E-01	82.5- 97.5	0.	30	0- 15	0.7065E-01	90-105	0.
45-60.00	0.6582E 02	-7.5 TO 7.5	0.5644E-02	82.5- 97.5	0.	45	0- 15	0.1325E-01	90-105	0.
60-75.00	0.7665E 02	-7.5 TO 7.5	0.3017E-03	82.5- 97.5	0.	60	0- 15	0.1294E-02	90-105	0.
75-79.84	0.2620E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.2166E 02	-7.5 TO 22.5	0.2991E 00	82.5-112.5	0.4075E-05	0	0- 30	0.8317E-01	90-120	0.8317E-01
15-30.00	0.6350E 02	-7.5 TO 22.5	0.1218E 00	82.5-112.5	0.	15	0- 30	0.3208E 00	90-120	0.
30-45.00	0.1010E 03	-7.5 TO 22.5	0.3128E-01	82.5-112.5	0.	30	0- 30	0.1080E 00	90-120	0.
45-60.00	0.1316E 03	-7.5 TO 22.5	0.5061E-02	82.5-112.5	0.	45	0- 30	0.2152E-01	90-120	0.
60-75.00	0.1533E 03	-7.5 TO 22.5	0.2583E-03	82.5-112.5	0.	60	0- 30	0.2007E-02	90-120	0.
75-79.84	0.5241E 02	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.3249E 02	-7.5 TO 37.5	0.2081E 00	82.5-127.5	0.3338E-05	0	0- 45	0.1248E 00	90-135	0.1248E 00
15-30.00	0.9525E 02	-7.5 TO 37.5	0.9197E-01	82.5-127.5	0.	15	0- 45	0.3354E 00	90-135	0.
30-45.00	0.1515E 03	-7.5 TO 37.5	0.2515E-01	82.5-127.5	0.	30	0- 45	0.1209E 00	90-135	0.
45-60.00	0.1975E 03	-7.5 TO 37.5	0.4120E-02	82.5-127.5	0.	45	0- 45	0.2486E-01	90-135	0.
60-75.00	0.2299E 03	-7.5 TO 37.5	0.1952E-03	82.5-127.5	0.	60	0- 45	0.2177E-02	90-135	0.
75-79.84	0.7861E 02	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.4332E 02	-7.5 TO 52.5	0.1572E 00	82.5-142.5	0.2870E-05	0	0- 60	0.1663E 00	90-150	0.1663E 00
15-30.00	0.1270E 03	-7.5 TO 52.5	0.7098E-01	82.5-142.5	0.	15	0- 60	0.3381E 00	90-150	0.
30-45.00	0.2020E 03	-7.5 TO 52.5	0.1990E-01	82.5-142.5	0.	30	0- 60	0.1239E 00	90-150	0.
45-60.00	0.2633E 03	-7.5 TO 52.5	0.3258E-02	82.5-142.5	0.	45	0- 60	0.2569E-01	90-150	0.
60-75.00	0.3066E 03	-7.5 TO 52.5	0.1479E-03	82.5-142.5	0.	60	0- 60	0.2181E-02	90-150	0.
75-79.84	0.1048E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.5414E 02	-7.5 TO 67.5	0.1259E 00	82.5-157.5	0.2545E-05	0	0- 75	0.2079E 00	90-165	0.2079E 00
15-30.00	0.1587E 03	-7.5 TO 67.5	0.5706E-01	82.5-157.5	0.	15	0- 75	0.3384E 00	90-165	0.
30-45.00	0.2525E 03	-7.5 TO 67.5	0.1609E-01	82.5-157.5	0.	30	0- 75	0.1243E 00	90-165	0.
45-60.00	0.3291E 03	-7.5 TO 67.5	0.2626E-02	82.5-157.5	0.	45	0- 75	0.2577E-01	90-165	0.
60-75.00	0.3832E 03	-7.5 TO 67.5	0.1183E-03	82.5-157.5	0.	60	0- 75	0.2181E-02	90-165	0.
75-79.84	0.1310E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.6497E 02	-7.5 TO 82.5	0.1049E 00	82.5-172.5	0.2309E-05	0	0- 90	0.2495E 00	90-180	0.2495E 00
15-30.00	0.1905E 03	-7.5 TO 82.5	0.4757E-01	82.5-172.5	0.	15	0- 90	0.3384E 00	90-180	0.
30-45.00	0.3030E 03	-7.5 TO 82.5	0.1342E-01	82.5-172.5	0.	30	0- 90	0.1243E 00	90-180	0.
45-60.00	0.3949E 03	-7.5 TO 82.5	0.2189E-02	82.5-172.5	0.	45	0- 90	0.2577E-01	90-180	0.
60-75.00	0.4599E 03	-7.5 TO 82.5	0.9862E-04	82.5-172.5	0.	60	0- 90	0.2181E-02	90-180	0.
75-79.84	0.1572E	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.7580E 02	-7.5 TO 97.5	0.8995E-01	82.5-187.5	0.2136E-05	0	0-105	0.2911E 00	90-195	0.2911E 00
15-30.00	0.2222E 03	-7.5 TO 97.5	0.4078E-01	82.5-187.5	0.	15	0-105	0.3384E 00	90-195	0.
30-45.00	0.3535E 03	-7.5 TO 97.5	0.1150E-01	82.5-187.5	0.	30	0-105	0.1243E 00	90-195	0.
45-60.00	0.4607E 03	-7.5 TO 97.5	0.1876E-02	82.5-187.5	0.	45	0-105	0.2577E-01	90-195	0.
60-75.00	0.5365E 03	-7.5 TO 97.5	0.8453E-04	82.5-187.5	0.	60	0-105	0.2181E-02	90-195	0.
75-79.84	0.1834E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 1.701$ $\cosh \mu_1 = 1.0004$ $\cosh \mu_2 = 1.0008$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 3.06$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1083E 02	-7.5 TO 7.5	0.4399E 00	82.5- 97.5	0.5520E-05	0	0- 15	0.4159E-01	90-105	0.4159E-01
15-30.00	0.3115E 02	-7.5 TO 7.5	0.1499E 00	82.5- 97.5	0.	15	0- 15	0.2497E 00	90-105	0.
30-45.00	0.5050E 02	-7.5 TO 7.5	0.4139E-01	82.5- 97.5	0.	30	0- 15	0.7438E-01	90-105	0.
45-60.00	0.6582E 02	-7.5 TO 7.5	0.8987E-02	82.5- 97.5	0.	45	0- 15	0.1842E-01	90-105	0.
60-75.00	0.7665E 02	-7.5 TO 7.5	0.9776E-03	82.5- 97.5	0.	60	0- 15	0.2936E-02	90-105	0.
75-79.84	0.2620E 02	-7.5 TO 7.5	0.3017E-05	82.5- 97.5	0.	75	0- 15	0.1999E-04	90-105	0.
0-15.00	0.2166E 02	-7.5 TO 22.5	0.2991E 00	82.5-112.5	0.4075E-05	0	0- 30	0.8317E-01	90-120	0.8317E-01
15-30.00	0.6350E 02	-7.5 TO 22.5	0.1228E 00	82.5-112.5	0.	15	0- 30	0.3208E 00	90-120	0.
30-45.00	0.1010E 03	-7.5 TO 22.5	0.3658E-01	82.5-112.5	0.	30	0- 30	0.1139E 00	90-120	0.
45-60.00	0.1316E 03	-7.5 TO 22.5	0.8110E-02	82.5-112.5	0.	45	0- 30	0.3008E-01	90-120	0.
60-75.00	0.1533E 03	-7.5 TO 22.5	0.8617E-03	82.5-112.5	0.	60	0- 30	0.4747E-02	90-120	0.
75-79.84	0.5241E 02	-7.5 TO 22.5	0.1966E-05	82.5-112.5	0.	75	0- 30	0.2105E-04	90-120	0.
0-15.00	0.3249E 02	-7.5 TO 37.5	0.2081E 00	82.5-127.5	0.3338E-05	0	0- 45	0.1248E 00	90-135	0.1248E 00
15-30.00	0.9525E 02	-7.5 TO 37.5	0.9268E-01	82.5-127.5	0.	15	0- 45	0.3354E 00	90-135	0.
30-45.00	0.1515E 03	-7.5 TO 37.5	0.2944E-01	82.5-127.5	0.	30	0- 45	0.1272E 00	90-135	0.
45-60.00	0.1975E 03	-7.5 TO 37.5	0.6665E-02	82.5-127.5	0.	45	0- 45	0.3487E-01	90-135	0.
60-75.00	0.2299E 03	-7.5 TO 37.5	0.6792E-03	82.5-127.5	0.	60	0- 45	0.5375E-02	90-135	0.
75-79.84	0.7861E 02	-7.5 TO 37.5	0.1315E-05	82.5-127.5	0.	75	0- 45	0.2105E-04	90-135	0.
0-15.00	0.4332E 02	-7.5 TO 52.5	0.1572E 00	82.5-142.5	0.2870E-05	0	0- 60	0.1663E 00	90-150	0.1663E 00
15-30.00	0.1270E 03	-7.5 TO 52.5	0.7152E-01	82.5-142.5	0.	15	0- 60	0.3381E 00	90-150	0.
30-45.00	0.2020E 03	-7.5 TO 52.5	0.2327E-01	82.5-142.5	0.	30	0- 60	0.1302E 00	90-150	0.
45-60.00	0.2633E 03	-7.5 TO 52.5	0.5303E-02	82.5-142.5	0.	45	0- 60	0.3602E-01	90-150	0.
60-75.00	0.3066E 03	-7.5 TO 52.5	0.9242E-03	82.5-142.5	0.	60	0- 60	0.5455E-02	90-150	0.
75-79.84	0.1048E 03	-7.5 TO 52.5	0.9864E-06	82.5-142.5	0.	75	0- 60	0.2105E-04	90-150	0.
0-15.00	0.5414E 02	-7.5 TO 67.5	0.1259E 00	82.5-157.5	0.2545E-05	0	0- 75	0.2079E 00	90-165	0.2079E 00
15-30.00	0.1587E 03	-7.5 TO 67.5	0.5750E-01	82.5-157.5	0.	15	0- 75	0.3384E 00	90-165	0.
30-45.00	0.2525E 03	-7.5 TO 67.5	0.1879E-01	82.5-157.5	0.	30	0- 75	0.1306E 00	90-165	0.
45-60.00	0.3291E 03	-7.5 TO 67.5	0.4279E-02	82.5-157.5	0.	45	0- 75	0.3611E-01	90-165	0.
60-75.00	0.3832E 03	-7.5 TO 67.5	0.4199E-03	82.5-157.5	0.	60	0- 75	0.5455E-02	90-165	0.
75-79.84	0.1310E 03	-7.5 TO 67.5	0.7891E-06	82.5-157.5	0.	75	0- 75	0.2105E-04	90-165	0.
0-15.00	0.6497E 02	-7.5 TO 82.5	0.1049E 00	82.5-172.5	0.2309E-05	0	0- 90	0.2495E 00	90-180	0.2495E 00
15-30.00	0.1905E 03	-7.5 TO 82.5	0.4793E-01	82.5-172.5	0.	15	0- 90	0.3384E 00	90-180	0.
30-45.00	0.3030E 03	-7.5 TO 82.5	0.1567E-01	82.5-172.5	0.	30	0- 90	0.1306E 00	90-180	0.
45-60.00	0.3949E 03	-7.5 TO 82.5	0.3567E-02	82.5-172.5	0.	45	0- 90	0.3611E-01	90-180	0.
60-75.00	0.4599E 03	-7.5 TO 82.5	0.3499E-03	82.5-172.5	0.	60	0- 90	0.5455E-02	90-180	0.
75-79.84	0.1572E 03	-7.5 TO 82.5	0.6576E-06	82.5-172.5	0.	75	0- 90	0.2105E-04	90-180	0.
0-15.00	0.7580E 02	-7.5 TO 97.5	0.8995E-01	82.5-187.5	0.2136E-05	0	0-105	0.2911E 00	90-195	0.2911E 00
15-30.00	0.2222E 03	-7.5 TO 97.5	0.4109E-01	82.5-187.5	0.	15	0-105	0.3384E 00	90-195	0.
30-45.00	0.3535E 03	-7.5 TO 97.5	0.1343E-01	82.5-187.5	0.	30	0-105	0.1306E 00	90-195	0.
45-60.00	0.4607E 03	-7.5 TO 97.5	0.3057E-02	82.5-187.5	0.	45	0-105	0.3611E-01	90-195	0.
60-75.00	0.5365E 03	-7.5 TO 97.5	0.2999E-03	82.5-187.5	0.	60	0-105	0.5455E-02	90-195	0.
75-79.84	0.1834E 03	-7.5 TO 97.5	0.5637E-06	82.5-187.5	0.	75	0-105	0.2105E-04	90-195	0.

$r_2/r_1 = 0.70$ $d/r_1 = 1.701$ $\cosh \mu_1 = 1.0004$ $\cosh \mu_2 = 1.0008$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 2.35$

0-15.00	0.1083E 02	-7.5 TO 7.5	0.4399E 00	82.5- 97.5	0.5520E-05	0	0- 15	0.4159E-01	90-105	0.4159E-01
15-30.00	0.3115E 02	-7.5 TO 7.5	0.1499E 00	82.5- 97.5	0.	15	0- 15	0.2497E 00	90-105	0.
30-45.00	0.5050E 02	-7.5 TO 7.5	0.4209E-01	82.5- 97.5	0.	30	0- 15	0.7438E-01	90-105	0.
45-60.00	0.6582E 02	-7.5 TO 7.5	0.1018E-01	82.5- 97.5	0.	45	0- 15	0.1970E-01	90-105	0.
60-75.00	0.7665E 02	-7.5 TO 7.5	0.1404E-02	82.5- 97.5	0.	60	0- 15	0.3744E-02	90-105	0.
75-79.84	0.2620E 02	-7.5 TO 7.5	0.3471E-04	82.5- 97.5	0.	75	0- 15	0.1116E-03	90-105	0.
0-15.00	0.2166E 02	-7.5 TO 22.5	0.2991E 00	82.5-112.5	0.4075E-05	0	0- 30	0.8317E-01	90-120	0.8317E-01
15-30.00	0.6350E 02	-7.5 TO 22.5	0.1228E 00	82.5-112.5	0.	15	0- 30	0.3208E 00	90-120	0.
30-45.00	0.1010E 03	-7.5 TO 22.5	0.3718E-01	82.5-112.5	0.	30	0- 30	0.1139E 00	90-120	0.
45-60.00	0.1316E 03	-7.5 TO 22.5	0.9181E-02	82.5-112.5	0.	45	0- 30	0.3206E-01	90-120	0.
60-75.00	0.1533E 03	-7.5 TO 22.5	0.1245E-02	82.5-112.5	0.	60	0- 30	0.6079E-02	90-120	0.
75-79.84	0.5241E 02	-7.5 TO 22.5	0.2623E-04	82.5-112.5	0.	75	0- 30	0.1424E-03	90-120	0.
0-15.00	0.3249E 02	-7.5 TO 37.5	0.2081E 00	82.5-127.5	0.3338E-05	0	0- 45	0.1248E 00	90-135	0.1248E 00
15-30.00	0.9525E 02	-7.5 TO 37.5	0.9268E-01	82.5-127.5	0.	15	0- 45	0.3354E 00	90-135	0.
30-45.00	0.1515E 03	-7.5 TO 37.5	0.2989E-01	82.5-127.5	0.	30	0- 45	0.1272E 00	90-135	0.
45-60.00	0.1975E 03	-7.5 TO 37.5	0.7527E-02	82.5-127.5	0.	45	0- 45	0.3701E-01	90-135	0.
60-75.00	0.2299E 03	-7.5 TO 37.5	0.9886E-03	82.5-127.5	0.	60	0- 45	0.6894E-02	90-135	0.
75-79.84	0.7861E 02	-7.5 TO 37.5	0.1800E-04	82.5-127.5	0.	75	0- 45	0.1426E-03	90-135	0.
0-15.00	0.4332E 02	-7.5 TO 52.5	0.1572E 00	82.5-142.5	0.2870E-05	0	0- 60	0.1663E 00	90-150	0.1663E 00
15-30.00	0.1270E 03	-7.5 TO 52.5	0.7152E-01	82.5-142.5	0.	15	0- 60	0.3381E 00	90-150	0.
30-45.00	0.2020E 03	-7.5 TO 52.5	0.2361E-01	82.5-142.5	0.	30	0- 60	0.1302E 00	90-150	0.
45-60.00	0.2633E 03	-7.5 TO 52.5	0.5972E-02	82.5-142.5	0.	45	0- 60	0.3815E-01	90-150	0.
60-75.00	0.3066E 03	-7.5 TO 52.5	0.7646E-03	82.5-142.5	0.	60	0- 60	0.6995E-02	90-150	0.
75-79.84	0.1048E 03	-7.5 TO 52.5	0.1350E-04	82.5-142.5	0.	75	0- 60	0.1426E-03	90-150	0.
0-15.00	0.5414E 02	-7.5 TO 67.5	0.1259E 00	82.5-157.5	0.2545E-05	0	0- 75	0.2079E 00	90-165	0.2079E 00
15-30.00	0.1587E 03	-7.5 TO 67.5	0.5750E-01	82.5-157.5	0.	15	0- 75	0.3384E 00	90-165	0.
30-45.00	0.2525E 03	-7.5 TO 67.5	0.1906E-01	82.5-157.5	0.	30	0- 75	0.1306E 00	90-165	0.
45-60.00	0.3291E 03	-7.5 TO 67.5	0.4815E-02	82.5-157.5	0.	45	0- 75	0.3824E-01	90-165	0.
60-75.00	0.3832E 03	-7.5 TO 67.5	0.6125E-03	82.5-157.5	0.	60	0- 75	0.6995E-02	90-165	0.
75-79.84	0.1310E 03	-7.5 TO 67.5	0.1080E-04	82.5-157.5	0.	75	0- 75	0.1426E-03	90-165	0.
0-15.00	0.6497E 02	-7.5 TO 82.5	0.1049E 00	82.5-172.5	0.2309E-05	0	0- 90	0.2495E 00	90-180	0.2495E 00
15-30.00	0.1905E 03	-7.5 TO 82.5	0.4793E-01	82.5-172.5	0.	15	0- 90	0.3384E 00	90-180	0.
30-45.00	0.3030E 03	-7.5 TO 82.5	0.1590E-01	82.5-172.5	0.	30	0- 90	0.1306E 00	90-180	0.
45-60.00	0.3949E 03	-7.5 TO 82.5	0.4013E-02	82.5-172.5	0.	45	0- 90	0.3824E-01	90-180	0.
60-75.00	0.4599E 03	-7.5 TO 82.5	0.5104E-03	82.5-172.5	0.	60	0- 90	0.6995E-02	90-180	0.
75-79.84	0.1572E 03	-7.5 TO 82.5	0.9000E-05	82.5-172.5	0.	75	0- 90	0.1426E-03	90-180	0.
0-15.00	0.7580E 02	-7.5 TO 97.5	0.8995E-01	82.5-187.5	0.2136E-05	0	0-105	0.2911E 00	90-195	0.2911E 00
15-30.00	0.2222E 03	-7.5 TO 97.5	0.4109E-01	82.5-187.5	0.	15	0-105	0.3384E 00	90-195	0.
30-45.00	0.3535E 03	-7.5 TO 97.5	0.1363E-01	82.5-187.5	0.	30	0-105	0.1306E 00	90-195	0.
45-60.00	0.4607E 03	-7.5 TO 97.5	0.3440E-02	82.5-187.5	0.	45	0-105	0.3824E-01	90-195	0.
60-75.00	0.5365E 03	-7.5 TO 97.5	0.4375E-03	82.5-187.5	0.	60	0-105	0.6995E-02	90-195	0.
75-79.84	0.1834E 03	-7.5 TO 97.5	0.7714E-05	82.5-187.5	0.	75	0-105	0.1426E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 1.701$ $\cosh \mu_1 = 1.0004$ $\cosh \mu_2 = 1.0008$ $\alpha_{2,max} = 100.16$ $\theta_{2,min} = 1.96$

Span of α_1	Dimensionless area, A/r_2^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1083E 02	-7.5 TO 7.5	0.4399E 00	82.5- 97.5	0.5520E-05	0	0- 15	0.4159E-01	90-105	0.4159E-01
15-30.00	0.3175E 02	-7.5 TO 7.5	0.1499E 00	82.5- 97.5	0.	15	0- 15	0.2497E 00	90-105	0.
30-45.00	0.5050E 02	-7.5 TO 7.5	0.4209E-01	82.5- 97.5	0.	30	0- 15	0.7438E-01	90-105	0.
45-60.00	0.6582E 02	-7.5 TO 7.5	0.1023E-01	82.5- 97.5	0.	45	0- 15	0.1970E-01	90-105	0.
60-75.00	0.7665E 02	-7.5 TO 7.5	0.1462E-02	82.5- 97.5	0.	60	0- 15	0.3823E-02	90-105	0.
75-79.84	0.2620E 02	-7.5 TO 7.5	0.4458E-04	82.5- 97.5	0.	75	0- 15	0.1317E-03	90-105	0.
0-15.00	0.2166E 02	-7.5 TO 22.5	0.2991E 00	82.5-112.5	0.4075E-05	0	0- 30	0.8317E-01	90-120	0.8317E-01
15-30.00	0.6350E 02	-7.5 TO 22.5	0.1228E 00	82.5-112.5	0.	15	0- 30	0.3208E 00	90-120	0.
30-45.00	0.1010E 03	-7.5 TO 22.5	0.3718E-01	82.5-112.5	0.	30	0- 30	0.1139E 00	90-120	0.
45-60.00	0.1316E 03	-7.5 TO 22.5	0.9223E-02	82.5-112.5	0.	45	0- 30	0.3206E-01	90-120	0.
60-75.00	0.1533E 03	-7.5 TO 22.5	0.1294E-02	82.5-112.5	0.	60	0- 30	0.6187E-02	90-120	0.
75-79.84	0.5241E 02	-7.5 TO 22.5	0.3390E-04	82.5-112.5	0.	75	0- 30	0.1696E-03	90-120	0.
0-15.00	0.3249E 02	-7.5 TO 37.5	0.2081E 00	82.5-127.5	0.3338E-05	0	0- 45	0.1248E 00	90-135	0.1248E 00
15-30.00	0.9525E 02	-7.5 TO 37.5	0.9268E-01	82.5-127.5	0.	15	0- 45	0.3354E 00	90-135	0.
30-45.00	0.1515E 03	-7.5 TO 37.5	0.2989E-01	82.5-127.5	0.	30	0- 45	0.1272E 00	90-135	0.
45-60.00	0.1975E 03	-7.5 TO 37.5	0.7557E-02	82.5-127.5	0.	45	0- 45	0.3701E-01	90-135	0.
60-75.00	0.2299E 03	-7.5 TO 37.5	0.1024E-02	82.5-127.5	0.	60	0- 45	0.7002E-02	90-135	0.
75-79.84	0.7861E 02	-7.5 TO 37.5	0.2333E-04	82.5-127.5	0.	75	0- 45	0.1700E-03	90-135	0.
0-15.00	0.4332E 02	-7.5 TO 52.5	0.1572E 00	82.5-142.5	0.2870E-05	0	0- 60	0.1663E 00	90-150	0.1663E 00
15-30.00	0.1270E 03	-7.5 TO 52.5	0.7152E-01	82.5-142.5	0.	15	0- 60	0.3381E 00	90-150	0.
30-45.00	0.2020E 03	-7.5 TO 52.5	0.2361E-01	82.5-142.5	0.	30	0- 60	0.1302E 00	90-150	0.
45-60.00	0.2633E 03	-7.5 TO 52.5	0.5994E-02	82.5-142.5	0.	45	0- 60	0.3815E-01	90-150	0.
60-75.00	0.3066E 03	-7.5 TO 52.5	0.7914E-03	82.5-142.5	0.	60	0- 60	0.7103E-02	90-150	0.
75-79.84	0.1048E 03	-7.5 TO 52.5	0.1750E-04	82.5-142.5	0.	75	0- 60	0.1700E-03	90-150	0.
0-15.00	0.5414E 02	-7.5 TO 67.5	0.1259E 00	82.5-157.5	0.2545E-05	0	0- 75	0.2079E 00	90-165	0.2079E 00
15-30.00	0.1587E 03	-7.5 TO 67.5	0.5750E-01	82.5-157.5	0.	15	0- 75	0.3384E 00	90-165	0.
30-45.00	0.2525E 03	-7.5 TO 67.5	0.1906E-01	82.5-157.5	0.	30	0- 75	0.1306E 00	90-165	0.
45-60.00	0.3291E 03	-7.5 TO 67.5	0.4832E-02	82.5-157.5	0.	45	0- 75	0.3824E-01	90-165	0.
60-75.00	0.3832E 03	-7.5 TO 67.5	0.6339E-03	82.5-157.5	0.	60	0- 75	0.7104E-02	90-165	0.
75-79.84	0.1310E 03	-7.5 TO 67.5	0.1400E-04	82.5-157.5	0.	75	0- 75	0.1700E-03	90-165	0.
0-15.00	0.6497E 02	-7.5 TO 82.5	0.1049E 00	82.5-172.5	0.2309E-05	0	0- 90	0.2495E 00	90-180	0.2495E 00
15-30.00	0.1905E 03	-7.5 TO 82.5	0.4793E-01	82.5-172.5	0.	15	0- 90	0.3384E 00	90-180	0.
30-45.00	0.3030E 03	-7.5 TO 82.5	0.1590E-01	82.5-172.5	0.	30	0- 90	0.1306E 00	90-180	0.
45-60.00	0.3949E 03	-7.5 TO 82.5	0.4028E-02	82.5-172.5	0.	45	0- 90	0.3824E-01	90-180	0.
60-75.00	0.4599E 03	-7.5 TO 82.5	0.5283E-03	82.5-172.5	0.	60	0- 90	0.7104E-02	90-180	0.
75-79.84	0.1572E 03	-7.5 TO 82.5	0.1166E-04	82.5-172.5	0.	75	0- 90	0.1700E-03	90-180	0.
0-15.00	0.7580E 02	-7.5 TO 97.5	0.8995E-01	82.5-187.5	0.2136E-05	0	0-105	0.2911E 00	90-195	0.2911E 00
15-30.00	0.2222E 03	-7.5 TO 97.5	0.4109E-01	82.5-187.5	0.	15	0-105	0.3384E 00	90-195	0.
30-45.00	0.3535E 03	-7.5 TO 97.5	0.1363E-01	82.5-187.5	0.	30	0-105	0.1306E 00	90-195	0.
45-60.00	0.4607E 03	-7.5 TO 97.5	0.3453E-02	82.5-187.5	0.	45	0-105	0.3824E-01	90-195	0.
60-75.00	0.5365E 03	-7.5 TO 97.5	0.4528E-03	82.5-187.5	0.	60	0-105	0.7104E-02	90-195	0.
75-79.84	0.1834E 03	-7.5 TO 97.5	0.9998E-05	82.5-187.5	0.	75	0-105	0.1700E-03	90-195	0.

$r_2/r_1 = 0.70$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1275$ $\cosh \mu_2 = 1.2464$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 136.65$

0-15.00	0.3289E-01	-7.5 TO 7.5	0.1074E-01	82.5- 97.5	0.5406E-02	0	0- 15	0.9932E-02	90-105	0.9932E-02
15-30.00	0.9642E-01	-7.5 TO 7.5	0.3308E-02	82.5- 97.5	0.1138E-02	15	0- 15	0.7639E-02	90-105	0.2608E-02
30-45.00	0.1534E 00	-7.5 TO 7.5	0.4312E-03	82.5- 97.5	0.9314E-04	30	0- 15	0.1197E-02	90-105	0.3140E-03
45-60.00	0.1999E 00	-7.5 TO 7.5	0.4241E-05	82.5- 97.5	0.	45	0- 15	0.4803E-04	90-105	0.
60-75.00	0.2328E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-81.37	0.1050E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.6577E-01	-7.5 TO 22.5	0.1059E-01	82.5-112.5	0.5045E-02	0	0- 30	0.1986E-01	90-120	0.1986E-01
15-30.00	0.1928E 00	-7.5 TO 22.5	0.3239E-02	82.5-112.5	0.1019E-02	15	0- 30	0.1470E-01	90-120	0.4754E-02
30-45.00	0.3068E 00	-7.5 TO 22.5	0.4206E-03	82.5-112.5	0.7745E-04	30	0- 30	0.2294E-02	90-120	0.5494E-03
45-60.00	0.3998E 00	-7.5 TO 22.5	0.3851E-05	82.5-112.5	0.	45	0- 30	0.8439E-04	90-120	0.
60-75.00	0.4655E 00	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-81.37	0.2101E 00	-7.5 TO 22.5	0.	82.5-112.5	0	75	0- 30	0.	90-120	0.
0-15.00	0.9866E-01	-7.5 TO 37.5	0.1027E-01	82.5-127.5	0.4743E-02	0	0- 45	0.2980E-01	90-135	0.2980E-01
15-30.00	0.2893E 00	-7.5 TO 37.5	0.3096E-02	82.5-127.5	0.9228E-03	15	0- 45	0.2080E-01	90-135	0.6574E-02
30-45.00	0.4601E 00	-7.5 TO 37.5	0.3982E-03	82.5-127.5	0.6614E-04	30	0- 45	0.3225E-02	90-135	0.7309E-03
45-60.00	0.5997E 00	-7.5 TO 37.5	0.3142E-05	82.5-127.5	0.	45	0- 45	0.1028E-03	90-135	0.
60-75.00	0.6983E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-81.37	0.3151E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.1315E 00	-7.5 TO 52.5	0.9838E-02	82.5-142.5	0.4492E-02	0	0- 60	0.3973E-01	90-150	0.3973E-01
15-30.00	0.3857E 00	-7.5 TO 52.5	0.2906E-02	82.5-142.5	0.8456E-03	15	0- 60	0.2583E-01	90-150	0.8173E-02
30-45.00	0.6135E 00	-7.5 TO 52.5	0.3682E-03	82.5-142.5	0.5746E-04	30	0- 60	0.3967E-02	90-150	0.8771E-03
45-60.00	0.7995E 00	-7.5 TO 52.5	0.2468E-05	82.5-142.5	0.	45	0- 60	0.1062E-03	90-150	0.
60-75.00	0.9311E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-81.37	0.4201E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.1644E 00	-7.5 TO 67.5	0.9346E-02	82.5-157.5	0.4288E-02	0	0- 75	0.4966E-01	90-165	0.4966E-01
15-30.00	0.4821E 00	-7.5 TO 67.5	0.2698E-02	82.5-157.5	0.7843E-03	15	0- 75	0.2988E-01	90-165	0.9636E-02
30-45.00	0.7669E 00	-7.5 TO 67.5	0.3350E-03	82.5-157.5	0.5053E-04	30	0- 75	0.4534E-02	90-165	0.1002E-02
45-60.00	0.9994E 00	-7.5 TO 67.5	0.1981E-05	82.5-157.5	0.	45	0- 75	0.1062E-03	90-165	0.
60-75.00	0.1164E 01	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-81.37	0.5251E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.1973E 00	-7.5 TO 82.5	0.8840E-02	82.5-172.5	0.4126E-02	0	0- 90	0.5959E-01	90-180	0.5959E-01
15-30.00	0.5785E 00	-7.5 TO 82.5	0.2492E-02	82.5-172.5	0.7365E-03	15	0- 90	0.3311E-01	90-180	0.1104E-01
30-45.00	0.9203E 00	-7.5 TO 82.5	0.3020E-03	82.5-172.5	0.4529E-04	30	0- 90	0.4957E-02	90-180	0.1118E-02
45-60.00	0.1199E 01	-7.5 TO 82.5	0.1651E-05	82.5-172.5	0.	45	0- 90	0.1062E-03	90-180	0.
60-75.00	0.1397E 01	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-81.37	0.6302E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.2302E 00	-7.5 TO 97.5	0.8349E-02	82.5-187.5	0.4004E-02	0	0-105	0.6952E-01	90-195	0.6952E-01
15-30.00	0.6749E 00	-7.5 TO 97.5	0.2298E-02	82.5-187.5	0.7005E-03	15	0-105	0.3572E-01	90-195	0.1243E-01
30-45.00	0.1074E 01	-7.5 TO 97.5	0.2722E-03	82.5-187.5	0.4140E-04	30	0-105	0.5271E-02	90-195	0.1233E-02
45-60.00	0.1399E 01	-7.5 TO 97.5	0.1415E-05	82.5-187.5	0.	45	0-105	0.1062E-03	90-195	0.
60-75.00	0.1629E 01	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-81.37	0.7352E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1275$ $\cosh \mu_2 = 1.2464$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 102.05$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3289E-01	-7.5 TO 7.5	0.3084E-01	82.5- 97.5	0.1109E-01	0	0- 15	0.1839E-01	90-105	0.1839E-01
15-30.00	0.9642E-01	-7.5 TO 7.5	0.1776E-01	82.5- 97.5	0.2964E-02	15	0- 15	0.2966E-01	90-105	0.5699E-02
30-45.00	0.1534E 00	-7.5 TO 7.5	0.4055E-02	82.5- 97.5	0.3394E-03	30	0- 15	0.8853E-02	90-105	0.8799E-03
45-60.00	0.1999E 00	-7.5 TO 7.5	0.3844E-03	82.5- 97.5	0.1951E-07	45	0- 15	0.1324E-02	90-105	0.
60-75.00	0.2328E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-81.37	0.1050E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.6577E-01	-7.5 TO 22.5	0.3017E-01	82.5-112.5	0.1007E-01	0	0- 30	0.3678E-01	90-120	0.3678E-01
15-30.00	0.1928E 00	-7.5 TO 22.5	0.1710E-01	82.5-112.5	0.2499E-02	15	0- 30	0.5577E-01	90-120	0.9967E-02
30-45.00	0.3068E 00	-7.5 TO 22.5	0.3891E-02	82.5-112.5	0.2549E-03	30	0- 30	0.1637E-01	90-120	0.1421E-02
45-60.00	0.3998E 00	-7.5 TO 22.5	0.3605E-03	82.5-112.5	0.9753E-08	45	0- 30	0.2404E-02	90-120	0.
60-75.00	0.4655E 00	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-81.37	0.2101E 00	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.9866E-01	-7.5 TO 37.5	0.2879E-01	82.5-127.5	0.9245E-02	0	0- 45	0.5517E-01	90-135	0.5517E-01
15-30.00	0.2893E 00	-7.5 TO 37.5	0.1582E-01	82.5-127.5	0.2151E-02	15	0- 45	0.7647E-01	90-135	0.1331E-01
30-45.00	0.4601E 00	-7.5 TO 37.5	0.3567E-02	82.5-127.5	0.2010E-03	30	0- 45	0.2193E-01	90-135	0.1767E-02
45-60.00	0.5997E 00	-7.5 TO 37.5	0.3148E-03	82.5-127.5	0.6502E-08	45	0- 45	0.3116E-02	90-135	0.
60-75.00	0.6983E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-81.37	0.3151E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.1315E 00	-7.5 TO 52.5	0.2701E-01	82.5-142.5	0.8584E-02	0	0- 60	0.7356E-01	90-150	0.7356E-01
15-30.00	0.3857E 00	-7.5 TO 52.5	0.1428E-01	82.5-142.5	0.1889E-02	15	0- 60	0.9182E-01	90-150	0.1606E-01
30-45.00	0.6135E 00	-7.5 TO 52.5	0.3174E-02	82.5-142.5	0.1645E-03	30	0- 60	0.2567E-01	90-150	0.2005E-02
45-60.00	0.7955E 00	-7.5 TO 52.5	0.2632E-03	82.5-142.5	0.4876E-08	45	0- 60	0.3480E-02	90-150	0.
60-75.00	0.9211E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-81.37	0.4201E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.1644E 00	-7.5 TO 67.5	0.2509E-01	82.5-157.5	0.8058E-02	0	0- 75	0.9195E-01	90-165	0.9195E-01
15-30.00	0.4821E 00	-7.5 TO 67.5	0.1275E-01	82.5-157.5	0.1691E-02	15	0- 75	0.1028E 00	90-165	0.1848E-01
30-45.00	0.7669E 00	-7.5 TO 67.5	0.2780E-02	82.5-157.5	0.1382E-03	30	0- 75	0.2804E-01	90-165	0.2186E-02
45-60.00	0.9994E 00	-7.5 TO 67.5	0.2172E-03	82.5-157.5	0.3901E-08	45	0- 75	0.3599E-02	90-165	0.
60-75.00	0.1164E 01	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-81.37	0.5251E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.1973E 00	-7.5 TO 82.5	0.2321E-01	82.5-172.5	0.7648E-02	0	0- 90	0.1103E 00	90-180	0.1103E 00
15-30.00	0.5785E 00	-7.5 TO 82.5	0.1136E-01	82.5-172.5	0.1541E-02	15	0- 90	0.1107E 00	90-180	0.2074E-01
30-45.00	0.9203E 00	-7.5 TO 82.5	0.2422E-02	82.5-172.5	0.1191E-03	30	0- 90	0.2949E-01	90-180	0.2343E-02
45-60.00	0.1199E 01	-7.5 TO 82.5	0.1817E-03	82.5-172.5	0.3251E-08	45	0- 90	0.3601E-02	90-180	0.
60-75.00	0.1397E 01	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-81.37	0.6302E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.2302E 00	-7.5 TO 97.5	0.2148E-01	82.5-187.5	0.7338E-02	0	0-105	0.1287E 00	90-195	0.1287E 00
15-30.00	0.6749E 00	-7.5 TO 97.5	0.1016E-01	82.5-187.5	0.1429E-02	15	0-105	0.1164E 00	90-195	0.2300E-01
30-45.00	0.1074E 01	-7.5 TO 97.5	0.2125E-02	82.5-187.5	0.1052E-03	30	0-105	0.3037E-01	90-195	0.2501E-02
45-60.00	0.1399E 01	-7.5 TO 97.5	0.1557E-03	82.5-187.5	0.2787E-08	45	0-105	0.3601E-02	90-195	0.
60-75.00	0.1629E 01	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-81.37	0.7352E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

$r_2/r_1 = 0.70$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1275$ $\cosh \mu_2 = 1.2464$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 77.29$

0-15.00	0.3289E-01	-7.5 TO 7.5	0.4019E-01	82.5- 97.5	0.1279E-01	0	0- 15	0.2041E-01	90-105	0.2041E-01
15-30.00	0.9642E-01	-7.5 TO 7.5	0.3273E-01	82.5- 97.5	0.3896E-02	15	0- 15	0.4328E-01	90-105	0.6708E-02
30-45.00	0.1534E 00	-7.5 TO 7.5	0.1153E-01	82.5- 97.5	0.5993E-03	30	0- 15	0.2102E-01	90-105	0.1225E-02
45-60.00	0.1999E 00	-7.5 TO 7.5	0.2215E-02	82.5- 97.5	0.4003E-05	45	0- 15	0.5150E-02	90-105	0.5507E-05
60-75.00	0.2328E 00	-7.5 TO 7.5	0.8964E-04	82.5- 97.5	0.	60	0- 15	0.4774E-03	90-105	0.
75-81.37	0.1050E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.6577E-01	-7.5 TO 22.5	0.3924E-01	82.5-112.5	0.1146E-01	0	0- 30	0.4083E-01	90-120	0.4083E-01
15-30.00	0.1928E 00	-7.5 TO 22.5	0.3133E-01	82.5-112.5	0.3165E-02	15	0- 30	0.8094E-01	90-120	0.1147E-01
30-45.00	0.3068E 00	-7.5 TO 22.5	0.1097E-01	82.5-112.5	0.4225E-03	30	0- 30	0.3823E-01	90-120	0.1877E-02
45-60.00	0.3998E 00	-7.5 TO 22.5	0.2085E-02	82.5-112.5	0.2041E-05	45	0- 30	0.9282E-02	90-120	0.5507E-05
60-75.00	0.4655E 00	-7.5 TO 22.5	0.7896E-04	82.5-112.5	0.	60	0- 30	0.7893E-03	90-120	0.
75-81.37	0.2101E 00	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.9866E-01	-7.5 TO 37.5	0.3729E-01	82.5-127.5	0.1041E-01	0	0- 45	0.6124E-01	90-135	0.6124E-01
15-30.00	0.2893E 00	-7.5 TO 37.5	0.2866E-01	82.5-127.5	0.2647E-02	15	0- 45	0.1102E 00	90-135	0.1505E-01
30-45.00	0.4601E 00	-7.5 TO 37.5	0.9899E-02	82.5-127.5	0.3180E-03	30	0- 45	0.5019E-01	90-135	0.2252E-02
45-60.00	0.5997E 00	-7.5 TO 37.5	0.1835E-02	82.5-127.5	0.1361E-05	45	0- 45	0.1197E-01	90-135	0.5507E-05
60-75.00	0.6983E 00	-7.5 TO 37.5	0.6187E-04	82.5-127.5	0.	60	0- 45	0.8983E-03	90-135	0.
75-81.37	0.3151E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.1315E 00	-7.5 TO 52.5	0.3477E-01	82.5-142.5	0.9576E-02	0	0- 60	0.8166E-01	90-150	0.8166E-01
15-30.00	0.3857E 00	-7.5 TO 52.5	0.2551E-01	82.5-142.5	0.2276E-02	15	0- 60	0.1311E 00	90-150	0.1793E-01
30-45.00	0.6135E 00	-7.5 TO 52.5	0.8659E-02	82.5-142.5	0.2532E-03	30	0- 60	0.5758E-01	90-150	0.2496E-02
45-60.00	0.7955E 00	-7.5 TO 52.5	0.1550E-02	82.5-142.5	0.1020E-05	45	0- 60	0.1337E-01	90-150	0.5507E-05
60-75.00	0.9211E 00	-7.5 TO 52.5	0.4737E-04	82.5-142.5	0.	60	0- 60	0.9056E-03	90-150	0.
75-81.37	0.4201E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.1644E 00	-7.5 TO 67.5	0.3208E-01	82.5-157.5	0.8925E-02	0	0- 75	0.1021E 00	90-165	0.1021E 00
15-30.00	0.4821E 00	-7.5 TO 67.5	0.2247E-01	82.5-157.5	0.2005E-02	15	0- 75	0.1456E 00	90-165	0.2041E-01
30-45.00	0.7669E 00	-7.5 TO 67.5	0.7473E-02	82.5-157.5	0.2094E-03	30	0- 75	0.6181E-01	90-165	0.2679E-02
45-60.00	0.9994E 00	-7.5 TO 67.5	0.1291E-02	82.5-157.5	0.8164E-06	45	0- 75	0.1393E-01	90-165	0.5507E-05
60-75.00	0.1164E 01	-7.5 TO 67.5	0.3791E-04	82.5-157.5	0.	60	0- 75	0.9056E-03	90-165	0.
75-81.37	0.5251E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.1973E 00	-7.5 TO 82.5	0.2948E-01	82.5-172.5	0.8421E-02	0	0- 90	0.1225E 00	90-180	0.1225E 00
15-30.00	0.5785E 00	-7.5 TO 82.5	0.1979E-01	82.5-172.5	0.1804E-02	15	0- 90	0.1553E 00	90-180	0.2272E-01
30-45.00	0.9203E 00	-7.5 TO 82.5	0.6442E-02	82.5-172.5	0.1786E-03	30	0- 90	0.6412E-01	90-180	0.2837E-02
45-60.00	0.1199E 01	-7.5 TO 82.5	0.1084E-02	82.5-172.5	0.6807E-06	45	0- 90	0.1396E-01	90-180	0.5507E-05
60-75.00	0.1397E 01	-7.5 TO 82.5	0.3159E-04	82.5-172.5	0.	60	0- 90	0.9056E-03	90-180	0.
75-81.37	0.6302E 00	-7.5 TO 82.5	0.	82.5-172.5	0	75	0- 90	0.	90-180	0.
0-15.00	0.2302E 00	-7.5 TO 97.5	0.2710E-01	82.5-187.5	0.8042E-02	0	0-105	0.1429E 00	90-195	0.1429E 00
15-30.00	0.6749E 00	-7.5 TO 97.5	0.1752E-01	82.5-187.5	0.1656E-02	15	0-105	0.1620E 00	90-195	0.2503E-01
30-45.00	0.1074E 01	-7.5 TO 97.5	0.5607E-02	82.5-187.5	0.1562E-03	30	0-105	0.6534E-01	90-195	0.2995E-02
45-60.00	0.1399E 01	-7.5 TO 97.5	0.9300E-03	82.5-187.5	0.5831E-06	45	0-105	0.1397E-01	90-195	0.5507E-05
60-75.00	0.1629E 01	-7.5 TO 97.5	0.2708E-04	82.5-187.5	0.	60	0-105	0.9056E-03	90-195	0.
75-81.37	0.7352E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1275$ $\cosh \mu_2 = 1.2464$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 59.68$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3289E-01	-7.5 TO 7.5	0.4197E-01	82.5- 97.5	0.1281E-01	0	0- 15	0.2042E-01	90-105	0.2042E-0.
15-30.00	0.9642E-01	-7.5 TO 7.5	0.3973E-01	82.5- 97.5	0.3967E-02	15	0- 15	0.4701E-01	90-105	0.6712E-02
30-45.00	0.1534E 00	-7.5 TO 7.5	0.1794E-01	82.5- 97.5	0.6734E-03	30	0- 15	0.2897E-01	90-105	0.1246E-02
45-60.00	0.1999E 00	-7.5 TO 7.5	0.4814E-02	82.5- 97.5	0.1500E-04	45	0- 15	0.9495E-02	90-105	0.1350E-04
60-75.00	0.2328E 00	-7.5 TO 7.5	0.5151E-03	82.5- 97.5	0.	60	0- 15	0.1685E-02	90-105	0.
75-81.37	0.1050E 00	-7.5 TO 7.5	0.6810E-07	82.5- 97.5	0.	75	0- 15	0.5693E-06	90-105	0.
0-15.00	0.6577E-01	-7.5 TO 22.5	0.4094E-01	82.5-112.5	0.1147E-01	0	0- 30	0.4083E-01	90-120	0.4083E-01
15-30.00	0.1928E 00	-7.5 TO 22.5	0.3797E-01	82.5-112.5	0.3202E-02	15	0- 30	0.8773E-01	90-120	0.1147E-01
30-45.00	0.3068E 00	-7.5 TO 22.5	0.1701E-01	82.5-112.5	0.4621E-03	30	0- 30	0.5244E-01	90-120	0.1898E-02
45-60.00	0.3998E 00	-7.5 TO 22.5	0.4534E-02	82.5-112.5	0.8358E-05	45	0- 30	0.1704E-01	90-120	0.1350E-04
60-75.00	0.4655E 00	-7.5 TO 22.5	0.4742E-03	82.5-112.5	0.	60	0- 30	0.2907E-02	90-120	0.
75-81.37	0.2101E 00	-7.5 TO 22.5	0.3910E-07	82.5-112.5	0.	75	0- 30	0.5693E-06	90-120	0.
0-15.00	0.9866E-01	-7.5 TO 37.5	0.3882E-01	82.5-127.5	0.1041E-01	0	0- 45	0.6125E-01	90-135	0.6125E-01
15-30.00	0.2893E 00	-7.5 TO 37.5	0.3458E-01	82.5-127.5	0.2671E-02	15	0- 45	0.1190E 00	90-135	0.1505E-01
30-45.00	0.4601E 00	-7.5 TO 37.5	0.1527E-01	82.5-127.5	0.3445E-03	30	0- 45	0.6835E-01	90-135	0.2273E-02
45-60.00	0.5997E 00	-7.5 TO 37.5	0.4002E-02	82.5-127.5	0.5572E-05	45	0- 45	0.2187E-01	90-135	0.1350E-04
60-75.00	0.6983E 00	-7.5 TO 37.5	0.3929E-03	82.5-127.5	0.	60	0- 45	0.3513E-02	90-135	0.
75-81.37	0.3151E 00	-7.5 TO 37.5	0.2606E-07	82.5-127.5	0.	75	0- 45	0.5693E-06	90-135	0.
0-15.00	0.1315E 00	-7.5 TO 52.5	0.3611E-01	82.5-142.5	0.9580E-02	0	0- 60	0.8167E-01	90-150	0.8167E-01
15-30.00	0.3857E 00	-7.5 TO 52.5	0.3061E-01	82.5-142.5	0.2294E-02	15	0- 60	0.1410E 00	90-150	0.1793E-01
30-45.00	0.6135E 00	-7.5 TO 52.5	0.1326E-01	82.5-142.5	0.2731E-03	30	0- 60	0.7778E-01	90-150	0.2517E-02
45-60.00	0.7995E 00	-7.5 TO 52.5	0.3392E-02	82.5-142.5	0.4179E-05	45	0- 60	0.2436E-01	90-150	0.1350E-04
60-75.00	0.9311E 00	-7.5 TO 52.5	0.3118E-03	82.5-142.5	0.	60	0- 60	0.3676E-02	90-150	0.
75-81.37	0.4201E 00	-7.5 TO 52.5	0.1955E-07	82.5-142.5	0.	75	0- 60	0.5693E-06	90-150	0.
0-15.00	0.1644E 00	-7.5 TO 67.5	0.3322E-01	82.5-157.5	0.8929E-02	0	0- 75	0.1021E 00	90-165	0.1021E 00
15-30.00	0.4821E 00	-7.5 TO 67.5	0.2679E-01	82.5-157.5	0.2019E-02	15	0- 75	0.1558E 00	90-165	0.2042E-01
30-45.00	0.7669E 00	-7.5 TO 67.5	0.1137E-01	82.5-157.5	0.2254E-03	30	0- 75	0.8282E-01	90-165	0.2700E-02
45-60.00	0.9594E 00	-7.5 TO 67.5	0.2835E-02	82.5-157.5	0.3343E-05	45	0- 75	0.2534E-01	90-165	0.1350E-04
60-75.00	0.1164E 01	-7.5 TO 67.5	0.2510E-03	82.5-157.5	0.	60	0- 75	0.3685E-02	90-165	0.
75-81.37	0.5251E 00	-7.5 TO 67.5	0.1564E-07	82.5-157.5	0.	75	0- 75	0.5693E-06	90-165	0.
0-15.00	0.1573E 00	-7.5 TO 82.5	0.3045E-01	82.5-172.5	0.8424E-02	0	0- 90	0.1225E 00	90-180	0.1225E 00
15-30.00	0.5785E 00	-7.5 TO 82.5	0.2345E-01	82.5-172.5	0.1816E-02	15	0- 90	0.1657E 00	90-180	0.2272E-01
30-45.00	0.9203E 00	-7.5 TO 82.5	0.9751E-02	82.5-172.5	0.1919E-03	30	0- 90	0.8533E-01	90-180	0.2858E-02
45-60.00	0.1199E 01	-7.5 TO 82.5	0.2386E-02	82.5-172.5	0.2786E-05	45	0- 90	0.2547E-01	90-180	0.1350E-04
60-75.00	0.1397E 01	-7.5 TO 82.5	0.2092E-03	82.5-172.5	0.	60	0- 90	0.3685E-02	90-180	0.
75-81.37	0.6302E 00	-7.5 TO 82.5	0.1303E-07	82.5-172.5	0.	75	0- 90	0.5693E-06	90-180	0.
0-15.00	0.2302E 00	-7.5 TO 97.5	0.2793E-01	82.5-187.5	0.8044E-02	0	0-105	0.1429E 00	90-195	0.1429E 00
15-30.00	0.6749E 00	-7.5 TO 97.5	0.2067E-01	82.5-187.5	0.1666E-02	15	0-105	0.1724E 00	90-195	0.2503E-01
30-45.00	0.1074E 01	-7.5 TO 97.5	0.8654E-02	82.5-187.5	0.1677E-03	30	0-105	0.8658E-01	90-195	0.3016E-02
45-60.00	0.1399E 01	-7.5 TO 97.5	0.2047E-02	82.5-187.5	0.2388E-05	45	0-105	0.2549E-01	90-195	0.1350E-04
60-75.00	0.1629E 01	-7.5 TO 97.5	0.1793E-03	82.5-187.5	0.	60	0-105	0.3685E-02	90-195	0.
75-81.37	0.7352E 00	-7.5 TO 97.5	0.1117E-07	82.5-187.5	0.	75	0-105	0.5693E-06	90-195	0.

$r_2/r_1 = 0.70$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1275$ $\cosh \mu_2 = 1.2464$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 46.69$

0-15.00	0.3289E-01	-7.5 TO 7.5	0.4198E-01	82.5- 97.5	0.1281E-01	0	0- 15	0.2042E-01	90-105	0.2042E-01
15-30.00	0.9642E-01	-7.5 TO 7.5	0.4117E-01	82.5- 97.5	0.3967E-02	15	0- 15	0.4708E-01	90-105	0.6712E-02
30-45.00	0.1534E 00	-7.5 TO 7.5	0.2092E-01	82.5- 97.5	0.6736E-03	30	0- 15	0.3162E-01	90-105	0.1246E-02
45-60.00	0.1999E 00	-7.5 TO 7.5	0.6662E-02	82.5- 97.5	0.1553E-04	45	0- 15	0.1210E-01	90-105	0.1350E-04
60-75.00	0.2328E 00	-7.5 TO 7.5	0.1069E-02	82.5- 97.5	0.	60	0- 15	0.2772E-02	90-105	0.
75-81.37	0.1050E 00	-7.5 TO 7.5	0.2203E-04	82.5- 97.5	0.	75	0- 15	0.9428E-04	90-105	0.
0-15.00	0.6577E-01	-7.5 TO 22.5	0.4094E-01	82.5-112.5	0.1147E-01	0	0- 30	0.4083E-01	90-120	0.4083E-01
15-30.00	0.1928E 00	-7.5 TO 22.5	0.3929E-01	82.5-112.5	0.3202E-02	15	0- 30	0.8783E-01	90-120	0.1147E-01
30-45.00	0.3068E 00	-7.5 TO 22.5	0.1981E-01	82.5-112.5	0.4622E-03	30	0- 30	0.5704E-01	90-120	0.1898E-0.
45-60.00	0.3998E 00	-7.5 TO 22.5	0.6273E-02	82.5-112.5	0.8624E-05	45	0- 30	0.2165E-01	90-120	0.1350E-04
60-75.00	0.4655E 00	-7.5 TO 22.5	0.9815E-03	82.5-112.5	0.	60	0- 30	0.4825E-02	90-120	0.
75-81.37	0.2101E 00	-7.5 TO 22.5	0.1725E-04	82.5-112.5	0.	75	0- 30	0.1284E-03	90-120	0.
0-15.00	0.9866E-01	-7.5 TO 37.5	0.3882E-01	82.5-127.5	0.1041E-01	0	0- 45	0.6125E-01	90-135	0.6125E-01
15-30.00	0.2893E 00	-7.5 TO 37.5	0.3570E-01	82.5-127.5	0.2671E-02	15	0- 45	0.1191E 00	90-135	0.1505E-01
30-45.00	0.4601E 00	-7.5 TO 37.5	0.1771E-01	82.5-127.5	0.3445E-03	30	0- 45	0.7395E-01	90-135	0.2273E-02
45-60.00	0.5997E 00	-7.5 TO 37.5	0.5531E-02	82.5-127.5	0.5749E-05	45	0- 45	0.2766E-01	90-135	0.1350E-04
60-75.00	0.6983E 00	-7.5 TO 37.5	0.8240E-03	82.5-127.5	0.	60	0- 45	0.5905E-02	90-135	0.
75-81.37	0.3151E 00	-7.5 TO 37.5	0.1201E-04	82.5-127.5	0.	75	0- 45	0.1293E-03	90-135	0.
0-15.00	0.1315E 00	-7.5 TO 52.5	0.3611E-01	82.5-142.5	0.9580E-02	0	0- 60	0.8167E-01	90-150	0.8167E-01
15-30.00	0.3857E 00	-7.5 TO 52.5	0.3152E-01	82.5-142.5	0.2294E-02	15	0- 60	0.1411E 00	90-150	0.1793E-01
30-45.00	0.6135E 00	-7.5 TO 52.5	0.1530E-01	82.5-142.5	0.2732E-03	30	0- 60	0.8366E-01	90-150	0.2517E-02
45-60.00	0.7995E 00	-7.5 TO 52.5	0.4682E-02	82.5-142.5	0.4312E-05	45	0- 60	0.3064E-01	90-150	0.1350E-04
60-75.00	0.9311E 00	-7.5 TO 52.5	0.6623E-03	82.5-142.5	0.	60	0- 60	0.6249E-02	90-150	0.
75-81.37	0.4201E 00	-..5 TC	0.9012E-05	82.5-142.5	0.	75	0- 60	0.1293E-03	90-150	0.
0-15.00	0.1644E 00	-7.5 TO 67.5	0.3322E-01	82.5-157.5	0.8929E-02	0	0- 75	0.1021E 00	90-165	0.1021E 00
15-30.00	0.4821E 00	-7.5 TO 67.5	0.2752E-01	82.5-157.5	0.2019E-02	15	0- 75	0.1559E 00	90-165	0.2042E-01
30-45.00	0.7669E 00	-7.5 TO 67.5	0.1304E-01	82.5-157.5	0.2255E-03	30	0- 75	0.8873E-01	90-165	0.2700E-02
45-60.00	0.9594E 00	-7.5 TO 67.5	0.3904E-02	82.5-157.5	0.3450E-05	45	0- 75	0.3173E-01	90-165	0.1350E-04
60-75.00	0.1164E 01	-7.5 TO 67.5	0.5355E-03	82.5-157.5	0.	60	0- 75	0.6286E-02	90-165	0.
75-81.37	0.5251E 00	-7.5 TO 67.5	0.7209E-05	82.5-157.5	0.	75	0- 75	0.1293E-03	90-165	0.
0-15.00	0.1573E 00	-7.5 TO 82.5	0.3045E-01	82.5-172.5	0.8424E-02	0	0- 90	0.1225E 00	90-180	0.1225E 00
15-30.00	0.5785E 00	-7.5 TO 82.5	0.2406E-01	82.5-172.5	0.1816E-02	15	0- 90	0.1658E 00	90-180	0.2272E-01
30-45.00	0.9203E 00	-7.5 TO 82.5	0.1115E-01	82.5-172.5	0.1920E-03	30	0- 90	0.9124E-01	90-180	0.2858E-02
45-60.00	0.1199E 01	-7.5 TO 82.5	0.3282E-02	82.5-172.5	0.2875E-05	45	0- 90	0.3186E-01	90-180	0.1350E-04
60-75.00	0.1397E 01	-7.5 TO 82.5	0.4644E-03	82.5-172.5	0.	60	0- 90	0.6286E-02	90-180	0.
75-81.37	0.6302E 00	-7.5 TO 82.5	0.6008E-05	82.5-172.5	0.	75	0- 90	0.1293E-03	90-180	0.
0-15.00	0.2302E 00	-7.5 TO 97.5	0.2793E-01	82.5-187.5	0.8044E-02	0	0-105	0.1429E 00	90-195	0.1429E 00
15-30.00	0.6749E 00	-7.5 TO 97.5	0.2119E-01	82.5-187.5	0.1666E-02	15	0-105	0.1725E 00	90-195	0.2503E-01
30-45.00	0.1074E 01	-7.5 TO 97.5	0.9653E-02	82.5-187.5	0.1677E-03	30	0-105	0.9248E-01	90-195	0.3016E-02
45-60.00	0.1399E 01	-7.5 TO 97.5	0.2815E-02	82.5-187.5	0.2464E-05	45	0-105	0.3188E-01	90-195	0.1350E-04
60-75.00	0.1629E 01	-7.5 TO 97.5	0.3826E-03	82.5-187.5	0.	60	0-105	0.6286E-02	90-195	0.
75-81.37	0.7352E 00	-7.5 TO 97.5	0.5149E-05	82.5-187.5	0.	75	0-105	0.1293E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1275$ $\cosh \mu_2 = 1.2464$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 36.65$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3289E-01	-7.5 TO 7.5	0.4198E-01	82.5- 97.5	0.1281E-01	0	0- 15	0.2042E-01	90-105	0.2042E-01
15-30.00	0.9642E-01	-7.5 TO 7.5	0.4118E-01	82.5- 97.5	0.3967E-02	15	0- 15	0.4708E-01	90-105	0.6712E-02
30-45.00	0.1534E 00	-7.5 TO 7.5	0.2140E-01	82.5- 97.5	0.6736E-03	30	0- 15	0.3172E-01	90-105	0.1246E-02
45-60.00	0.1999E 00	-7.5 TO 7.5	0.7330E-02	82.5- 97.5	0.1553E-04	45	0- 15	0.1281E-01	90-105	0.1350E-04
60-75.00	0.2328E 00	-7.5 TO 7.5	0.1358E-02	82.5- 97.5	0.	60	0- 15	0.3264E-02	90-105	0.
75-81.37	0.1050E 00	-7.5 TO 7.5	0.6082E-04	82.5- 97.5	0.	75	0- 15	0.1906E-03	90-105	0.
0-15.00	0.6577E-01	-7.5 TO 22.5	0.4094E-01	82.5-112.5	0.1147E-01	0	0- 30	0.4083E-01	90-120	0.4083E-01
15-30.00	0.1928E 00	-7.5 TO 22.5	0.3930E-01	82.5-112.5	0.3202E-02	15	0- 30	0.8783E-01	90-120	0.1147E-01
30-45.00	0.3068E 00	-7.5 TO 22.5	0.2024E-01	82.5-112.5	0.4622E-03	30	0- 30	0.5717E-01	90-120	0.1898E-02
45-60.00	0.3998E 00	-7.5 TO 22.5	0.6888E-02	82.5-112.5	0.8624E-05	45	0- 30	0.2283E-01	90-120	0.1350E-04
60-75.00	0.4655E 00	-7.5 TO 22.5	0.1248E-02	82.5-112.5	0.	60	0- 30	0.5671E-02	90-120	0.
75-81.37	0.2101E 00	-7.5 TO 22.5	0.4998E-04	82.5-112.5	0.	75	0- 30	0.2799E-03	90-120	0.
0-15.00	0.9866E-01	-7.5 TO 37.5	0.3882E-01	82.5-127.5	0.1041E-01	0	0- 45	0.6125E-01	90-135	0.6125E-01
15-30.00	0.2893E 00	-7.5 TO 37.5	0.3571E-01	82.5-127.5	0.2671E-02	15	0- 45	0.1191E 00	90-135	0.1505E-01
30-45.00	0.4601E 00	-7.5 TO 37.5	0.1805E-01	82.5-127.5	0.3445E-03	30	0- 45	0.7408E-01	90-135	0.2273E-02
45-60.00	0.5997E 00	-7.5 TO 37.5	0.6048E-02	82.5-127.5	0.5749E-05	45	0- 45	0.2901E-01	90-135	0.1350E-04
60-75.00	0.6983E 00	-7.5 TO 37.5	0.1048E-02	82.5-127.5	0.	60	0- 45	0.6913E-02	90-135	0.
75-81.37	0.3151E 00	-7.5 TO 37.5	0.3611E-04	82.5-127.5	0.	75	0- 45	0.2895E-03	90-135	0.
0-15.00	0.1315E 00	-7.5 TO 52.5	0.3611E-01	82.5-142.5	0.9580E-02	0	0- 60	0.8167E-01	90-150	0.8167E-01
15-30.00	0.3857E 00	-7.5 TO 52.5	0.3152E-01	82.5-142.5	0.2294E-02	15	0- 60	0.1411E 00	90-150	0.1793E-01
30-45.00	0.6135E 00	-7.5 TO 52.5	0.1556E-01	82.5-142.5	0.2732E-03	30	0- 60	0.8379E-01	90-150	0.2517E-02
45-60.00	0.7995E 00	-7.5 TO 52.5	0.5094E-02	82.5-142.5	0.4312E-05	45	0- 60	0.3201E-01	90-150	0.1350E-04
60-75.00	0.9311E 00	-7.5 TO 52.5	0.8414E-03	82.5-142.5	0.	60	0- 60	0.7293E-02	90-150	0.
75-81.37	0.4201E 00	-7.5 TO 52.5	0.2714E-04	82.5-142.5	0.	75	0- 60	0.2895E-03	90-150	0.
0-15.00	0.1644E 00	-7.5 TO 67.5	0.3322E-01	82.5-157.5	0.8929E-02	0	0- 75	0.1021E 00	90-165	0.1021E 00
15-30.00	0.4821E 00	-7.5 TO 67.5	0.2753E-01	82.5-157.5	0.2019E-02	15	0- 75	0.1559E 00	90-165	0.2042E-01
30-45.00	0.7669E 00	-7.5 TO 67.5	0.1326E-01	82.5-157.5	0.2255E-03	30	0- 75	0.8886E-01	90-165	0.2700E-02
45-60.00	0.9994E 00	-7.5 TO 67.5	0.4236E-02	82.5-157.5	0.3450E-05	45	0- 75	0.3309E-01	90-165	0.1350E-04
60-75.00	0.1164E 01	-7.5 TO 67.5	0.6798E-03	82.5-157.5	0.	60	0- 75	0.7331E-02	90-165	0.
75-81.37	0.5251E 00	-7.5 TO 67.5	0.2171E-04	82.5-157.5	0.	75	0- 75	0.2895E-03	90-165	0.
0-15.00	0.1973E 00	-7.5 TO 82.5	0.3045E-01	82.5-172.5	0.8424E-02	0	0- 90	0.1225E 00	90-180	0.1225E 00
15-30.00	0.5785E 00	-7.5 TO 82.5	0.2406E-01	82.5-172.5	0.1816E-02	15	0- 90	0.1658E 00	90-180	0.2272E-01
30-45.00	0.9203E 00	-7.5 TO 82.5	0.1133E-01	82.5-172.5	0.1920E-03	30	0- 90	0.9137E-01	90-180	0.2858E-02
45-60.00	0.1199E 01	-7.5 TO 82.5	0.3558E-02	82.5-172.5	0.2875E-05	45	0- 90	0.3323E-01	90-180	0.1350E-04
60-75.00	0.1397E 01	-7.5 TO 82.5	0.5666E-03	82.5-172.5	0.	60	0- 90	0.7331E-02	90-180	0.
75-81.37	0.6302E 00	-7.5 TO 82.5	0.1809E-04	82.5-172.5	0.	75	0- 90	0.2895E-03	90-180	0.
0-15.00	0.2302E 00	-7.5 TO 97.5	0.2793E-01	82.5-187.5	0.8044E-02	0	0-105	0.1429E 00	90-195	0.1429E 00
15-30.00	0.6749E 00	-7.5 TO 97.5	0.2119E-01	82.5-187.5	0.1666E-02	15	0-105	0.1725E 00	90-195	0.2503E-01
30-45.00	0.1074E 01	-7.5 TO 97.5	0.9806E-02	82.5-187.5	0.1677E-03	30	0-105	0.9261E-01	90-195	0.3016E-02
45-60.00	0.1399E 01	-7.5 TO 97.5	0.3052E-02	82.5-187.5	0.2464E-05	45	0-105	0.3324E-01	90-195	0.1350E-04
60-75.00	0.1629E 01	-7.5 TO 97.5	0.4857E-03	82.5-187.5	0.	60	0-105	0.7331E-02	90-195	0.
75-81.37	0.7352E 00	-7.5 TO 97.5	0.1551E-04	82.5-187.5	0.	75	0-105	0.2895E-03	90-195	0.

$r_2/r_1 = 0.70$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1275$ $\cosh \mu_2 = 1.2464$ $\alpha_{2,max} = 98.63$ $\theta_{2,min} = 31.79$

0-15.00	0.3289E-01	-7.5 TO 7.5	0.4198E-01	82.5- 97.5	0.1281E-01	0	0- 15	0.2042E-01	90-105	0.2042E-01
15-30.00	0.9642E-01	-7.5 TO 7.5	0.4118E-01	82.5- 97.5	0.3967E-02	15	0- 15	0.4708E-01	90-105	0.6712E-02
30-45.00	0.1534E 00	-7.5 TO 7.5	0.2140E-01	82.5- 97.5	0.6736E-03	30	0- 15	0.3172E-01	90-105	0.1246E-02
45-60.00	0.1999E 00	-7.5 TO 7.5	0.7352E-02	82.5- 97.5	0.1553E-04	45	0- 15	0.1281E-01	90-105	0.1350E-04
60-75.00	0.2328E 00	-7.5 TO 7.5	0.1388E-02	82.5- 97.5	0.	60	0- 15	0.3300E-02	90-105	0.
75-81.37	0.1050E 00	-7.5 TO 7.5	0.6773E-04	82.5- 97.5	0.	75	0- 15	0.2044E-03	90-105	0.
0-15.00	0.6577E-01	-7.5 TO 22.5	0.4094E-01	82.5-112.5	0.1147E-01	0	0- 30	0.4083E-01	90-120	0.4083E-01
15-30.00	0.1928E 00	-7.5 TO 22.5	0.3930E-01	82.5-112.5	0.3202E-02	15	0- 30	0.8783E-01	90-120	0.1147E-01
30-45.00	0.3068E 00	-7.5 TO 22.5	0.2024E-01	82.5-112.5	0.4622E-03	30	0- 30	0.5717E-01	90-120	0.1898E-02
45-60.00	0.3998E 00	-7.5 TO 22.5	0.6906E-02	82.5-112.5	0.8624E-05	45	0- 30	0.2901E-01	90-120	0.1350E-04
60-75.00	0.4655E 00	-7.5 TO 22.5	0.1274E-02	82.5-112.5	0.	60	0- 30	0.5720E-02	90-120	0.
75-81.37	0.2101E 00	-7.5 TO 22.5	0.5563E-04	82.5-112.5	0.	75	0- 30	0.2997E-03	90-120	0.
0-15.00	0.9866E-01	-7.5 TO 37.5	0.3882E-01	82.5-127.5	0.1041E-01	0	0- 45	0.6125E-01	90-135	0.6125E-01
15-30.00	0.2893E 00	-7.5 TO 37.5	0.3571E-01	82.5-127.5	0.2671E-02	15	0- 45	0.1191E 00	90-135	0.1505E-01
30-45.00	0.4601E 00	-7.5 TO 37.5	0.1805E-01	82.5-127.5	0.3445E-03	30	0- 45	0.7408E-01	90-135	0.2273E-02
45-60.00	0.5997E 00	-7.5 TO 37.5	0.6060E-02	82.5-127.5	0.5749E-05	45	0- 45	0.2901E-01	90-135	0.1350E-04
60-75.00	0.6983E 00	-7.5 TO 37.5	0.1067E-02	82.5-127.5	0.	60	0- 45	0.6963E-02	90-135	0.
75-81.37	0.3151E 00	-7.5 TO 37.5	0.4016E-04	82.5-127.5	0.	75	0- 45	0.3098E-03	90-135	0.
0-15.00	0.1315E 00	-7.5 TO 52.5	0.3611E-01	82.5-142.5	0.9580E-02	0	0- 60	0.8167E-01	90-150	0.8167E-01
15-30.00	0.3857E 00	-7.5 TO 52.5	0.3152E-01	82.5-142.5	0.2294E-02	15	0- 60	0.1411E 00	90-150	0.1793E-01
30-45.00	0.6135E 00	-7.5 TO 52.5	0.1556E-01	82.5-142.5	0.2732E-03	30	0- 60	0.8379E-01	90-150	0.2517E-02
45-60.00	0.7995E 00	-7.5 TO 52.5	0.5103E-02	82.5-142.5	0.4312E-05	45	0- 60	0.3201E-01	90-150	0.1350E-04
60-75.00	0.9311E 00	-7.5 TO 52.5	0.8556E-03	82.5-142.5	0.	60	0- 60	0.7343E-02	90-150	0.
75-81.37	0.4201E 00	-7.5 TO 52.5	0.3018E-04	82.5-142.5	0.	75	0- 60	0.3098E-03	90-150	0.
0-15.00	0.1644E 00	-7.5 TO 67.5	0.3322E-01	82.5-157.5	0.8929E-02	0	0- 75	0.1021E 00	90-165	0.1021E 00
15-30.00	0.4821E 00	-7.5 TO 67.5	0.2753E-01	82.5-157.5	0.2019E-02	15	0- 75	0.1559E 00	90-165	0.2042E-01
30-45.00	0.7669E 00	-7.5 TO 67.5	0.1326E-01	82.5-157.5	0.2255E-03	30	0- 75	0.8886E-01	90-165	0.2700E-02
45-60.00	0.9994E 00	-7.5 TO 67.5	0.4243E-02	82.5-157.5	0.3450E-05	45	0- 75	0.3309E-01	90-165	0.1350E-04
60-75.00	0.1164E 01	-7.5 TO 67.5	0.6911E-03	82.5-157.5	0.	60	0- 75	0.7381E-02	90-165	0.
75-81.37	0.5251E 00	-7.5 TO 67.5	0.2415E-04	82.5-157.5	0.	75	0- 75	0.3098E-03	90-165	0.
0-15.00	0.1973E 00	-7.5 TO 82.5	0.3045E-01	82.5-172.5	0.8424E-02	0	0- 90	0.1225E 00	90-180	0.1225E 00
15-30.00	0.5785E 00	-7.5 TO 82.5	0.2406E-01	82.5-172.5	0.1816E-02	15	0- 90	0.1658E 00	90-180	0.2272E-01
30-45.00	0.9203E 00	-7.5 TO 82.5	0.1133E-01	82.5-172.5	0.1920E-03	30	0- 90	0.9137E-01	90-180	0.2858E-02
45-60.00	0.1199E 01	-7.5 TO 82.5	0.3564E-02	82.5-172.5	0.2875E-05	45	0- 90	0.3323E-01	90-180	0.1350E-04
60-75.00	0.1397E 01	-7.5 TO 82.5	0.5761E-03	82.5-172.5	0.	60	0- 90	0.7381E-02	90-180	0.
75-81.37	0.6302E 00	-7.5 TO 82.5	0.2012E-04	82.5-172.5	0.	75	0- 90	0.3098E-03	90-180	0.
0-15.00	0.2302E 00	-7.5 TO 97.5	0.2793E-01	82.5-187.5	0.8044E-02	0	0-105	0.1429E 00	90-195	0.1429E 00
15-30.00	0.6749E 00	-7.5 TO 97.5	0.2119E-01	82.5-187.5	0.1666E-02	15	0-105	0.1725E 00	90-195	0.2503E-01
30-45.00	0.1074E 01	-7.5 TO 97.5	0.9806E-02	82.5-187.5	0.1677E-03	30	0-105	0.9261E-01	90-195	0.3016E-02
45-60.00	0.1399E 01	-7.5 TO 97.5	0.3057E-02	82.5-187.5	0.2464E-05	45	0-105	0.3324E-01	90-195	0.1350E-04
60-75.00	0.1629E 01	-7.5 TO 97.5	0.4938E-03	82.5-187.5	0.	60	0-105	0.7381E-02	90-195	0.
75-81.37	0.7352E 00	-7.5 TO 97.5	0.1725E-04	82.5-187.5	0.	75	0-105	0.3098E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

r_2/r_1 = 0.70 d/r_1 = 3.000 $\cosh \mu_1$ = 1.5850 $\cosh \mu_2$ = 2.0214 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 154.48

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5699E-02	-7.5 TO 7.5	0.7505E-03	82.5- 97.5	0.6905E-03	0	0- 15	0.7660E-03	90-105	0.7660E-03
15-30.00	0.1729E-01	-7.5 TO 7.5	0.5629E-03	82.5- 97.5	0.4715E-03	15	0- 15	0.7032E-03	90-105	0.6113E-03
30-45.00	0.2751E-01	-7.5 TO 7.5	0.3037E-03	82.5- 97.5	0.2334E-03	30	0- 15	0.4382E-03	90-105	0.3410E-03
45-60.00	0.3585E-01	-7.5 TO 7.5	0.1125E-03	82.5- 97.5	0.7544E-04	45	0- 15	0.1967E-03	90-105	0.1377E-03
60-75.00	0.4115E-01	-7.5 TO 7.5	0.1086E-04	82.5- 97.5	0.3202E-05	60	0- 15	0.4693E-04	90-105	0.2074E-04
75-84.26	0.2750E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1180E-01	-7.5 TO 22.5	0.7494E-03	82.5-112.5	0.6833E-03	0	0- 30	0.1532E-02	90-120	0.1532E-02
15-30.00	0.3459E-01	-7.5 TO 22.5	0.5612E-03	82.5-112.5	0.4611E-03	15	0- 30	0.1400E-02	90-120	0.1204E-02
30-45.00	0.5502E-01	-7.5 TO 22.5	0.3023E-03	82.5-112.5	0.2258E-03	30	0- 30	0.8697E-03	90-120	0.6635E-03
45-60.00	0.7171E-01	-7.5 TO 22.5	0.1117E-03	82.5-112.5	0.7154E-04	45	0- 30	0.3893E-03	90-120	0.2647E-03
60-75.00	0.8231E-01	-7.5 TO 22.5	0.1067E-04	82.5-112.5	0.2673E-05	60	0- 30	0.9196E-04	90-120	0.3695E-04
75-84.26	0.5499E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.1770E-01	-7.5 TO 37.5	0.7469E-03	82.5-127.5	0.6765E-03	0	0- 45	0.2298E-02	90-135	0.2298E-02
15-30.00	0.5188E-01	-7.5 TO 37.5	0.5573E-03	82.5-127.5	0.4515E-03	15	0- 45	0.2086E-02	90-135	0.1780E-02
30-45.00	0.8254E-01	-7.5 TO 37.5	0.2993E-03	82.5-127.5	0.2187E-03	30	0- 45	0.1289E-02	90-135	0.9704E-03
45-60.00	0.1076E 00	-7.5 TO 37.5	0.1101E-03	82.5-127.5	0.6801E-04	45	0- 45	0.5741E-03	90-135	0.3827E-03
60-75.00	0.1253E 00	-7.5 TO 37.5	0.1024E-04	82.5-127.5	0.2208E-05	60	0- 45	0.1335E-03	90-135	0.4943E-04
75-84.26	0.8249E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.2360E-01	-7.5 TO 52.5	0.7433E-03	82.5-142.5	0.6703E-03	0	0- 60	0.3064E-02	90-150	0.3064E-02
15-30.00	0.6918E-01	-7.5 TO 52.5	0.5515E-03	82.5-142.5	0.4429E-03	15	0- 60	0.2757E-02	90-150	0.2344E-02
30-45.00	0.1100E 00	-7.5 TO 52.5	0.2947E-03	82.5-142.5	0.2125E-03	30	0- 60	0.1691E-02	90-150	0.1265E-02
45-60.00	0.1434E 00	-7.5 TO 52.5	0.1077E-03	82.5-142.5	0.6490E-04	45	0- 60	0.7484E-03	90-150	0.4938E-03
60-75.00	0.1671E 00	-7.5 TO 52.5	0.9646E-05	82.5-142.5	0.1854E-05	60	0- 60	0.1703E-03	90-150	0.5910E-04
75-84.26	0.1100E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.2949E-01	-7.5 TO 67.5	0.7385E-03	82.5-157.5	0.6649E-03	0	0- 75	0.3830E-02	90-165	0.3830E-02
15-30.00	0.8647E-01	-7.5 TO 67.5	0.5442E-03	82.5-157.5	0.4354E-03	15	0- 75	0.3408E-02	90-165	0.2898E-02
30-45.00	0.1376E 00	-7.5 TO 67.5	0.2890E-03	82.5-157.5	0.2072E-03	30	0- 75	0.2073E-02	90-165	0.1551E-02
45-60.00	0.1793E 00	-7.5 TO 67.5	0.1046E-03	82.5-157.5	0.6227E-04	45	0- 75	0.9107E-03	90-165	0.6002E-03
60-75.00	0.2088E 00	-7.5 TO 67.5	0.8964E-05	82.5-157.5	0.1599E-05	60	0- 75	0.2017E-03	90-165	0.6691E-04
75-84.26	0.1375E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.3539E-01	-7.5 TO 82.5	0.7330E-03	82.5-172.5	0.6605E-03	0	0- 90	0.4596E-02	90-180	0.4596E-02
15-30.00	0.1038E 00	-7.5 TO 82.5	0.5358E-03	82.5-172.5	0.4293E-03	15	0- 90	0.4040E-02	90-180	0.3448E-02
30-45.00	0.1651E 00	-7.5 TO 82.5	0.2825E-03	82.5-172.5	0.2029E-03	30	0- 90	0.2434E-02	90-180	0.1834E-02
45-60.00	0.2151E 00	-7.5 TO 82.5	0.1012E-03	82.5-172.5	0.6012E-04	45	0- 90	0.1060E-02	90-180	0.7043E-03
60-75.00	0.2505E 00	-7.5 TO 82.5	0.8227E-05	82.5-172.5	0.1412E-05	60	0- 90	0.2276E-03	90-180	0.7380E-04
75-84.26	0.1650E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.4129E-01	-7.5 TO 97.5	0.7270E-03	82.5-187.5	0.6571E-03	0	0-105	0.5362E-02	90-195	0.5362E-02
15-30.00	0.1211E 00	-7.5 TO 97.5	0.5266E-03	82.5-187.5	0.4246E-03	15	0-105	0.4651E-02	90-195	0.3998E-02
30-45.00	0.1926E 00	-7.5 TO 97.5	0.2755E-03	82.5-187.5	0.1995E-03	30	0-105	0.2775E-02	90-195	0.2116E-02
45-60.00	0.2510E 00	-7.5 TO 97.5	0.9750E-04	82.5-187.5	0.5848E-04	45	0-105	0.1198E-02	90-195	0.8084E-03
60-75.00	0.2923E 00	-7.5 TO 97.5	0.7509E-05	82.5-187.5	0.1274E-05	60	0-105	0.2483E-03	90-195	0.8068E-04
75-84.26	0.1525E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

r_2/r_1 = 0.70 d/r_1 = 3.000 $\cosh \mu_1$ = 1.5850 $\cosh \mu_2$ = 2.0214 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 130.52

0-15.00	0.5899E-02	-7.5 TO 7.5	0.2613E-02	82.5- 97.5	0.2239E-02	0	0- 15	0.2472E-02	90-105	0.2472E-02
15-30.00	0.1729E-01	-7.5 TO 7.5	0.2165E-02	82.5- 97.5	0.1555E-02	15	0- 15	0.2547E-02	90-105	0.1966E-02
30-45.00	0.2751E-01	-7.5 TO 7.5	0.1292E-02	82.5- 97.5	0.7897E-03	30	0- 15	0.1774E-02	90-105	0.1110E-02
45-60.00	0.3585E-01	-7.5 TO 7.5	0.5451E-03	82.5- 97.5	0.2646E-03	45	0- 15	0.8857E-03	90-105	0.4565E-03
60-75.00	0.4115E-01	-7.5 TO 7.5	0.9106E-04	82.5- 97.5	0.1281E-04	60	0- 15	0.2715E-03	90-105	0.7053E-04
75-84.26	0.2750E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1180E-01	-7.5 TO 22.5	0.2606E-02	82.5-112.5	0.2196E-02	0	0- 30	0.4943E-02	90-120	0.4943E-02
15-30.00	0.3459E-01	-7.5 TO 22.5	0.2152E-02	82.5-112.5	0.1492E-02	15	0- 30	0.5054E-02	90-120	0.3822E-02
30-45.00	0.5502E-01	-7.5 TO 22.5	0.1282E-02	82.5-112.5	0.7425E-03	30	0- 30	0.3498E-02	90-120	0.2111E-02
45-60.00	0.7171E-01	-7.5 TO 22.5	0.5388E-03	82.5-112.5	0.2401E-03	45	0- 30	0.1737E-02	90-120	0.8481E-03
60-75.00	0.8231E-01	-7.5 TO 22.5	0.8878E-04	82.5-112.5	0.9479E-05	60	0- 30	0.5263E-03	90-120	0.1136E-03
75-84.26	0.5499E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.1770E-01	-7.5 TO 37.5	0.2590E-02	82.5-127.5	0.2157E-02	0	0- 45	0.7415E-02	90-135	0.7415E-02
15-30.00	0.5188E-01	-7.5 TO 37.5	0.2125E-02	82.5-127.5	0.1436E-02	15	0- 45	0.7486E-02	90-135	0.5585E-02
30-45.00	0.8254E-01	-7.5 TO 37.5	0.1257E-02	82.5-127.5	0.7007E-03	30	0- 45	0.5129E-02	90-135	0.3022E-02
45-60.00	0.1076E 00	-7.5 TO 37.5	0.5249E-03	82.5-127.5	0.2188E-03	45	0- 45	0.2526E-02	90-135	0.1189E-02
60-75.00	0.1253E 00	-7.5 TO 37.5	0.8390E-04	82.5-127.5	0.7198E-05	60	0- 45	0.7507E-03	90-135	0.1362E-03
75-84.26	0.8249E-01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.2360E-01	-7.5 TO 52.5	0.2567E-02	82.5-142.5	0.2121E-02	0	0- 60	0.9886E-02	90-150	0.9886E-02
15-30.00	0.6918E-01	-7.5 TO 52.5	0.2084E-02	82.5-142.5	0.1386E-02	15	0- 60	0.9815E-02	90-150	0.7277E-02
30-45.00	0.1100E 00	-7.5 TO 52.5	0.1223E-02	82.5-142.5	0.6649E-03	30	0- 60	0.6639E-02	90-150	0.3868E-02
45-60.00	0.1434E 00	-7.5 TO 52.5	0.5050E-03	82.5-142.5	0.2009E-03	45	0- 60	0.3235E-02	90-150	0.1492E-02
60-75.00	0.1670E 00	-7.5 TO 52.5	0.7727E-04	82.5-142.5	0.5661E-05	60	0- 60	0.9362E-03	90-150	0.1479E-03
75-84.26	0.1100E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.2949E-01	-7.5 TO 67.5	0.2537E-02	82.5-157.5	0.2091E-02	0	0- 75	0.1236E-01	90-165	0.1236E-01
15-30.00	0.8647E-01	-7.5 TO 67.5	0.2034E-02	82.5-157.5	0.1345E-02	15	0- 75	0.1203E-01	90-165	0.8921E-02
30-45.00	0.1376E 00	-7.5 TO 67.5	0.1180E-02	82.5-157.5	0.6349E-03	30	0- 75	0.8012E-02	90-165	0.4669E-02
45-60.00	0.1793E 00	-7.5 TO 67.5	0.4808E-03	82.5-157.5	0.1862E-03	45	0- 75	0.3855E-02	90-165	0.1771E-02
60-75.00	0.2088E 00	-7.5 TO 67.5	0.6973E-04	82.5-157.5	0.4654E-05	60	0- 75	0.1080E-02	90-165	0.1560E-03
75-84.26	0.1375E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.3539E-01	-7.5 TO 82.5	0.2502E-02	82.5-172.5	0.2065E-02	0	0- 90	0.1483E-01	90-180	0.1483E-01
15-30.00	0.1038E 00	-7.5 TO 82.5	0.1977E-02	82.5-172.5	0.1311E-02	15	0- 90	0.1411E-01	90-180	0.1054E-01
30-45.00	0.1651E 00	-7.5 TO 82.5	0.1133E-02	82.5-172.5	0.6107E-03	30	0- 90	0.9249E-02	90-180	0.5448E-02
45-60.00	0.2151E 00	-7.5 TO 82.5	0.4543E-03	82.5-172.5	0.1745E-03	45	0- 90	0.4389E-02	90-180	0.2038E-02
60-75.00	0.2505E 00	-7.5 TO 82.5	0.6194E-04	82.5-172.5	0.3958E-05	60	0- 90	0.1185E-02	90-180	0.1630E-03
75-84.26	0.1650E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.4129E-01	-7.5 TO 97.5	0.2465E-02	82.5-187.5	0.2046E-02	0	0-105	0.1730E-01	90-195	0.1730E-01
15-30.00	0.1211E 00	-7.5 TO 97.5	0.1916E-02	82.5-187.5	0.1284E-02	15	0-105	0.1608E-01	90-195	0.1216E-01
30-45.00	0.1926E 00	-7.5 TO 97.5	0.1084E-02	82.5-187.5	0.5923E-03	30	0-105	0.1036E-01	90-195	0.6228E-02
45-60.00	0.2510E 00	-7.5 TO 97.5	0.4272E-03	82.5-187.5	0.1657E-03	45	0-105	0.4846E-02	90-195	0.2306E-02
60-75.00	0.2923E 00	-7.5 TO 97.5	0.5492E-04	82.5-187.5	0.3457E-05	60	0-105	0.1256E-02	90-195	0.1699E-03
75-84.26	0.1525E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

r_2/r_1 = 0.70 d/r_1 = 3.000 $\cosh \mu_1$ = 1.5850 $\cosh \mu_2$ = 2.0214 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 109.07

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5899E-02	-7.5 TO 7.5	0.4566E-02	82.5- 97.5	0.3705E-02	0	0- 15	0.4067E-02	90-105	0.4067E-02
15-30.00	0.1729E-01	-7.5 TO 7.5	0.4113E-02	82.5- 97.5	0.2622E-02	15	0- 15	0.4592E-02	90-105	0.3236E-02
30-45.00	0.2751E-01	-7.5 TO 7.5	0.2690E-02	82.5- 97.5	0.1373E-02	30	0- 15	0.3527E-02	90-105	0.1860E-02
45-60.00	0.3585E-01	-7.5 TO 7.5	0.1262E-02	82.5- 97.5	0.4810E-03	45	0- 15	0.1938E-02	90-105	0.7859E-03
60-75.00	0.4135E-01	-7.5 TO 7.5	0.2966E-03	82.5- 97.5	0.2801E-04	60	0- 15	0.6995E-03	90-105	0.1297E-03
75-84.26	0.2750E-01	-7.5 TO 7.5	0.2506E-05	82.5- 97.5	0.	75	0- 15	0.2354E-04	90-105	0.
0-15.00	0.1180E-01	-7.5 TO 22.5	0.4549E-02	82.5-112.5	0.3610E-02	0	0- 30	0.8134E-02	90-120	0.8134E-02
15-30.00	0.3459E-01	-7.5 TO 22.5	0.4081E-02	82.5-112.5	0.2480E-02	15	0- 30	0.9088E-02	90-120	0.6230E-02
30-45.00	0.5502E-01	-7.5 TO 22.5	0.2660E-02	82.5-112.5	0.1262E-02	30	0- 30	0.6919E-02	90-120	0.3473E-02
45-60.00	0.7171E-01	-7.5 TO 22.5	0.1243E-02	82.5-112.5	0.4222E-03	45	0- 30	0.3775E-02	90-120	0.1421E-02
60-75.00	0.8251E-01	-7.5 TO 22.5	0.2882E-03	82.5-112.5	0.1944E-04	60	0- 30	0.1346E-02	90-120	0.1961E-03
75-84.26	0.5499E-01	-7.5 TO 22.5	0.2112E-05	82.5-112.5	0.	75	0- 30	0.3672E-04	90-120	0.
0-15.00	0.1770E-01	-7.5 TO 37.5	0.4512E-02	82.5-127.5	0.3523E-02	0	0- 45	0.1220E-01	90-135	0.1220E-01
15-30.00	0.5188E-01	-7.5 TO 37.5	0.4010E-02	82.5-127.5	0.2354E-02	15	0- 45	0.1340E-01	90-135	0.9024E-02
30-45.00	0.8254E-01	-7.5 TO 37.5	0.2593E-02	82.5-127.5	0.1167E-02	30	0- 45	0.1007E-01	90-135	0.4891E-02
45-60.00	0.1076E 00	-7.5 TO 37.5	0.1201E-02	82.5-127.5	0.3731E-03	45	0- 45	0.5434E-02	90-135	0.1944E-02
60-75.00	0.1253E 00	-7.5 TO 37.5	0.2702E-03	82.5-127.5	0.1432E-04	60	0- 45	0.1899E-02	90-135	0.2228E-03
75-84.26	0.8249E-01	-7.5 TO 37.5	0.1591E-05	82.5-127.5	0.	75	0- 45	0.3870E-04	90-135	0.
0-15.00	0.2360E-01	-7.5 TO 52.5	0.4457E-02	82.5-142.5	0.3445E-02	0	0- 60	0.1627E-01	90-150	0.1627E-01
15-30.00	0.6918E-01	-7.5 TO 52.5	0.3908E-02	82.5-142.5	0.2245E-02	15	0- 60	0.1747E-01	90-150	0.1166E-01
30-45.00	0.1100E 00	-7.5 TO 52.5	0.2497E-02	82.5-142.5	0.1087E-02	30	0- 60	0.1290E-01	90-150	0.6167E-02
45-60.00	0.1434E 00	-7.5 TO 52.5	0.1142E-02	82.5-142.5	0.3331E-03	45	0- 60	0.6867E-02	90-150	0.2388E-02
60-75.00	0.1670E 00	-7.5 TO 52.5	0.2458E-03	82.5-142.5	0.1102E-04	60	0- 60	0.2337E-02	90-150	0.2345E-03
75-84.26	0.1100E 00	-7.5 TO 52.5	0.1202E-05	82.5-142.5	0.	75	0- 60	0.3870E-04	90-150	0.
0-15.00	0.2949E-01	-7.5 TO 67.5	0.4387E-02	82.5-157.5	0.3378E-02	0	0- 75	0.2033E-01	90-165	0.2033E-01
15-30.00	0.8647E-01	-7.5 TO 67.5	0.3782E-02	82.5-157.5	0.2154E-02	15	0- 75	0.2127E-01	90-165	0.1420E-01
30-45.00	0.1376E 00	-7.5 TO 67.5	0.2382E-02	82.5-157.5	0.1021E-02	30	0- 75	0.1539E-01	90-165	0.7352E-02
45-60.00	0.1793E 00	-7.5 TO 67.5	0.1073E-02	82.5-157.5	0.3014E-03	45	0- 75	0.8063E-02	90-165	0.2783E-02
60-75.00	0.2088E 00	-7.5 TO 67.5	0.2189E-03	82.5-157.5	0.8945E-05	60	0- 75	0.2658E-02	90-165	0.2426E-03
75-84.26	0.1375E 00	-7.5 TO 67.5	0.9615E-06	82.5-157.5	0.	75	0- 75	0.3870E-04	90-165	0.
0-15.00	0.3539E-01	-7.5 TO 82.5	0.4307E-02	82.5-172.5	0.3324E-02	0	0- 90	0.2440E-01	90-180	0.2440E-01
15-30.00	0.1038E 00	-7.5 TO 82.5	0.3642E-02	82.5-172.5	0.2080E-02	15	0- 90	0.2478E-01	90-180	0.1668E-01
30-45.00	0.1651E 00	-7.5 TO 82.5	0.2258E-02	82.5-172.5	0.9685E-03	30	0- 90	0.1755E-01	90-180	0.8492E-02
45-60.00	0.2151E 00	-7.5 TO 82.5	0.9984E-03	82.5-172.5	0.2768E-03	45	0- 90	0.9038E-02	90-180	0.3155E-02
60-75.00	0.2505E 00	-7.5 TO 82.5	0.1922E-03	82.5-172.5	0.7534E-05	60	0- 90	0.2873E-02	90-180	0.2495E-03
75-84.26	0.1650E 00	-7.5 TO 82.5	0.8012E-06	82.5-172.5	0.	75	0- 90	0.3870E-04	90-180	0.
0-15.00	0.4129E-01	-7.5 TO 97.5	0.4221E-02	82.5-187.5	0.3282E-02	0	0-105	0.2847E-01	90-195	0.2847E-01
15-30.00	0.1211E 00	-7.5 TO 97.5	0.3496E-02	82.5-187.5	0.2024E-02	15	0-105	0.2801E-01	90-195	0.1917E-01
30-45.00	0.1926E 00	-7.5 TO 97.5	0.2131E-02	82.5-187.5	0.9288E-03	30	0-105	0.1941E-01	90-195	0.9632E-02
45-60.00	0.2510E 00	-7.5 TO 97.5	0.9245E-03	82.5-187.5	0.2582E-03	45	0-105	0.9824E-02	90-195	0.3527E-02
60-75.00	0.2923E 00	-7.5 TO 97.5	0.1687E-03	82.5-187.5	0.6522E-05	60	0-105	0.3003E-02	90-195	0.2565E-03
75-84.26	0.1925E 00	-7.5 TO 97.5	0.6868E-06	82.5-187.5	0.	75	0-105	0.3870E-04	90-195	0.

r_2/r_1 = 0.70 d/r_1 = 3.000 $\cosh \mu_1$ = 1.5850 $\cosh \mu_2$ = 2.0214 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 90.40

0-15.00	0.5899E-02	-7.5 TO 7.5	0.5835E-02	82.5- 97.5	0.4534E-02	0	0- 15	0.4956E-02	90-105	0.4956E-02
15-30.00	0.1729E-01	-7.5 TO 7.5	0.5613E-02	82.5- 97.5	0.3257E-02	15	0- 15	0.6012E-02	90-105	0.3943E-02
30-45.00	0.2751E-01	-7.5 TO 7.5	0.3950E-02	82.5- 97.5	0.1751E-02	30	0- 15	0.4987E-02	90-105	0.2299E-02
45-60.00	0.3585E-01	-7.5 TO 7.5	0.2009E-02	82.5- 97.5	0.6385E-03	45	0- 15	0.2959E-02	90-105	0.9951E-03
60-75.00	0.4135E-01	-7.5 TO 7.5	0.5731E-03	82.5- 97.5	0.4327E-04	60	0- 15	0.1191E-02	90-105	0.1759E-03
75-84.26	0.2750E-01	-7.5 TO 7.5	0.2628E-04	82.5- 97.5	0.	75	0- 15	0.1143E-03	90-105	0.
0-15.00	0.1180E-01	-7.5 TO 22.5	0.5810E-02	82.5-112.5	0.4393E-02	0	0- 30	0.9911E-02	90-120	0.9911E-02
15-30.00	0.3459E-01	-7.5 TO 22.5	0.5561E-02	82.5-112.5	0.3043E-02	15	0- 30	0.1187E-01	90-120	0.7528E-02
30-45.00	0.5502E-01	-7.5 TO 22.5	0.3897E-02	82.5-112.5	0.1580E-02	30	0- 30	0.9748E-02	90-120	0.4224E-02
45-60.00	0.7171E-01	-7.5 TO 22.5	0.1976E-02	82.5-112.5	0.5464E-03	45	0- 30	0.5738E-02	90-120	0.1760E-02
60-75.00	0.8351E-01	-7.5 TO 22.5	0.5562E-03	82.5-112.5	0.2916E-04	60	0- 30	0.2280E-02	90-120	0.2575E-03
75-84.26	0.5499E-01	-7.5 TO 22.5	0.2368E-04	82.5-112.5	0.	75	0- 30	0.1974E-03	90-120	0.
0-15.00	0.1770E-01	-7.5 TO 37.5	0.5753E-02	82.5-127.5	0.4265E-02	0	0- 45	0.1487E-01	90-135	0.1487E-01
15-30.00	0.5188E-01	-7.5 TO 37.5	0.5446E-02	82.5-127.5	0.2856E-02	15	0- 45	0.1745E-01	90-135	0.1082E-01
30-45.00	0.8254E-01	-7.5 TO 37.5	0.3780E-02	82.5-127.5	0.1435E-02	30	0- 45	0.1410E-01	90-135	0.5864E-02
45-60.00	0.1076E 00	-7.5 TO 37.5	0.1897E-02	82.5-127.5	0.4720E-03	45	0- 45	0.8197E-02	90-135	0.2359E-02
60-75.00	0.1253E 00	-7.5 TO 37.5	0.5199E-03	82.5-127.5	0.2105E-04	60	0- 45	0.3194E-02	90-135	0.2863E-03
75-84.26	0.8249E-01	-7.5 TO 37.5	0.1909E-04	82.5-127.5	0.	75	0- 45	0.2344E-03	90-135	0.
0-15.00	0.2360E-01	-7.5 TO 52.5	0.5668E-02	82.5-142.5	0.4151E-02	0	0- 60	0.1982E-01	90-150	0.1982E-01
15-30.00	0.6918E-01	-7.5 TO 52.5	0.5281E-02	82.5-142.5	0.2696E-02	15	0- 60	0.2266E-01	90-150	0.1389E-01
30-45.00	0.1100E 00	-7.5 TO 52.5	0.3616E-02	82.5-142.5	0.1316E-02	30	0- 60	0.1793E-01	90-150	0.7300E-02
45-60.00	0.1434E 00	-7.5 TO 52.5	0.1789E-02	82.5-142.5	0.4135E-03	45	0- 60	0.1026E-01	90-150	0.2849E-02
60-75.00	0.1670E 00	-7.5 TO 52.5	0.4709E-03	82.5-142.5	0.1608E-04	60	0- 60	0.3895E-02	90-150	0.2980E-03
75-84.26	0.1100E 00	-7.5 TO 52.5	0.1480E-04	82.5-142.5	0.	75	0- 60	0.2389E-03	90-150	0.
0-15.00	0.2949E-01	-7.5 TO 67.5	0.5562E-02	82.5-157.5	0.4054E-02	0	0- 75	0.2478E-01	90-165	0.2478E-01
15-30.00	0.8647E-01	-7.5 TO 67.5	0.5079E-02	82.5-157.5	0.2562E-02	15	0- 75	0.2744E-01	90-165	0.1681E-01
30-45.00	0.1376E 00	-7.5 TO 67.5	0.3421E-02	82.5-157.5	0.1220E-02	30	0- 75	0.2122E-01	90-165	0.8607E-02
45-60.00	0.1793E 00	-7.5 TO 67.5	0.1664E-02	82.5-157.5	0.3682E-03	45	0- 75	0.1192E-01	90-165	0.3274E-02
60-75.00	0.2088E 00	-7.5 TO 67.5	0.4169E-03	82.5-157.5	0.1299E-04	60	0- 75	0.4387E-02	90-165	0.3061E-03
75-84.26	0.1375E 00	-7.5 TO 67.5	0.1185E-04	82.5-157.5	0.	75	0- 75	0.2389E-03	90-165	0.
0-15.00	0.3539E-01	-7.5 TO 82.5	0.5441E-02	82.5-172.5	0.3975E-02	0	0- 90	0.2973E-01	90-180	0.2973E-01
15-30.00	0.1038E 00	-7.5 TO 82.5	0.4857E-02	82.5-172.5	0.2455E-02	15	0- 90	0.3179E-01	90-180	0.1966E-01
30-45.00	0.1651E 00	-7.5 TO 82.5	0.3212E-02	82.5-172.5	0.1144E-02	30	0- 90	0.2397E-01	90-180	0.9853E-02
45-60.00	0.2151E 00	-7.5 TO 82.5	0.1533E-02	82.5-172.5	0.3338E-03	45	0- 90	0.1322E-01	90-180	0.3669E-02
60-75.00	0.2505E 00	-7.5 TO 82.5	0.3640E-03	82.5-172.5	0.1091E-04	60	0- 90	0.4700E-02	90-180	0.3131E-03
75-84.26	0.1650E 00	-7.5 TO 82.5	0.9876E-05	82.5-172.5	0.	75	0- 90	0.2389E-03	90-180	0.
0-15.00	0.4129E-01	-7.5 TO 97.5	0.5312E-02	82.5-187.5	0.3914E-02	0	0-105	0.3469E-01	90-195	0.3469E-01
15-30.00	0.1211E 00	-7.5 TO 97.5	0.4629E-02	82.5-187.5	0.2374E-02	15	0-105	0.3573E-01	90-195	0.2251E-01
30-45.00	0.1926E 00	-7.5 TO 97.5	0.3003E-02	82.5-187.5	0.1087E-02	30	0-105	0.2627E-01	90-195	0.1110E-01
45-60.00	0.2510E 00	-7.5 TO 97.5	0.1405E-02	82.5-187.5	0.3081E-03	45	0-105	0.1421E-01	90-195	0.4064E-02
60-75.00	0.2923E 00	-7.5 TO 97.5	0.3182E-03	82.5-187.5	0.9413E-05	60	0-105	0.4876E-02	90-195	0.3200E-03
75-84.26	0.1925E 00	-7.5 TO 97.5	0.8465E-05	82.5-187.5	0.	75	0-105	0.2389E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.5850$ $\cosh \mu_2 = 2.0214$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 74.30$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5859E-02	-7.5 TO 7.5	0.6228E-02	82.5- 97.5	0.4678E-02	0	0- 15	0.5104E-02	90-105	0.5104E-02
15-30.00	0.1729E-01	-7.5 TO 7.5	0.6313E-02	82.5- 97.5	0.3383E-02	15	0- 15	0.6542E-02	90-105	0.4053E-02
30-45.00	0.2751E-01	-7.5 TO 7.5	0.4696E-02	82.5- 97.5	0.1843E-02	30	0- 15	0.5762E-02	90-105	0.2373E-02
45-60.00	0.3585E-01	-7.5 TO 7.5	0.2530E-02	82.5- 97.5	0.6870E-03	45	0- 15	0.3620E-02	90-105	0.1037E-02
60-75.00	0.4175E-01	-7.5 TO 7.5	0.8019E-03	82.5- 97.5	0.5040E-04	60	0- 15	0.1561E-02	90-105	0.1889E-03
75-84.26	0.2750E-01	-7.5 TO 7.5	0.6387E-04	82.5- 97.5	0.	75	0- 15	0.2135E-03	90-105	0.
0-15.00	0.1180E-01	-7.5 TO 22.5	0.6197E-02	82.5-112.5	0.4518E-02	0	0- 30	0.1021E-01	90-120	0.1021E-01
15-30.00	0.3459E-01	-7.5 TO 22.5	0.6247E-02	82.5-112.5	0.3138E-02	15	0- 30	0.1290E-01	90-120	0.7704E-02
30-45.00	0.5502E-01	-7.5 TO 22.5	0.4425E-02	82.5-112.5	0.1643E-02	30	0- 30	0.1123E-01	90-120	0.4325E-02
45-60.00	0.7171E-01	-7.5 TO 22.5	0.2480E-02	82.5-112.5	0.5781E-03	45	0- 30	0.6994E-02	90-120	0.1813E-02
60-75.00	0.8351E-01	-7.5 TO 22.5	0.7771E-03	82.5-112.5	0.3330E-04	60	0- 30	0.2978E-02	90-120	0.2725E-03
75-84.26	0.5499E-01	-7.5 TO 22.5	0.5840E-04	82.5-112.5	0.	75	0- 30	0.3764E-03	90-120	0.
0-15.00	0.1770E-01	-7.5 TO 37.5	0.6127E-02	82.5-127.5	0.4374E-02	0	0- 45	0.1531E-01	90-135	0.1531E-01
15-30.00	0.5188E-01	-7.5 TO 37.5	0.6101E-02	82.5-127.5	0.2928E-02	15	0- 45	0.1890E-01	90-135	0.1103E-01
30-45.00	0.8254E-01	-7.5 TO 37.5	0.4470E-02	82.5-127.5	0.1481E-02	30	0- 45	0.1617E-01	90-135	0.5971E-02
45-60.00	0.1076E 00	-7.5 TO 37.5	0.2373E-02	82.5-127.5	0.4941E-03	45	0- 45	0.9932E-02	90-135	0.2414E-02
60-75.00	0.1253E 00	-7.5 TO 37.5	0.7244E-03	82.5-127.5	0.2384E-04	60	0- 45	0.4146E-02	90-135	0.3015E-03
75-84.26	0.8249E-01	-7.5 TO 37.5	0.4852E-04	82.5-127.5	0.	75	0- 45	0.4620E-03	90-135	0.
0-15.00	0.2360E-01	-7.5 TO 52.5	0.6025E-02	82.5-142.5	0.4247E-02	0	0- 60	0.2042E-01	90-150	0.2042E-01
15-30.00	0.6918E-01	-7.5 TO 52.5	0.5890E-02	82.5-142.5	0.2752E-02	15	0- 60	0.2445E-01	90-150	0.1413E-01
30-45.00	0.1100E 00	-7.5 TO 52.5	0.4252E-02	82.5-142.5	0.1350E-02	30	0- 60	0.2044E-01	90-150	0.7408E-02
45-60.00	0.1434E 00	-7.5 TO 52.5	0.2224E-02	82.5-142.5	0.4301E-03	45	0- 60	0.1234E-01	90-150	0.2904E-02
60-75.00	0.1670E 00	-7.5 TO 52.5	0.6534E-03	82.5-142.5	0.1818E-04	60	0- 60	0.5019E-02	90-150	0.3132E-03
75-84.26	0.1100E 00	-7.5 TO 52.5	0.3841E-04	82.5-142.5	0.	75	0- 60	0.4828E-03	90-150	0.
0-15.00	0.2649E-01	-7.5 TO 67.5	0.5897E-02	82.5-157.5	0.4140E-02	0	0- 75	0.2552E-01	90-165	0.2552E-01
15-30.00	0.8647E-01	-7.5 TO 67.5	0.5636E-02	82.5-157.5	0.2608E-02	15	0- 75	0.2948E-01	90-165	0.1706E-01
30-45.00	0.1376E 00	-7.5 TO 67.5	0.3995E-02	82.5-157.5	0.1247E-02	30	0- 75	0.2401E-01	90-165	0.6715E-02
45-60.00	0.1793E 00	-7.5 TO 67.5	0.2053E-02	82.5-157.5	0.3815E-03	45	0- 75	0.1422E-01	90-165	0.3329E-02
60-75.00	0.2088E 00	-7.5 TO 67.5	0.5759E-03	82.5-157.5	0.1467E-04	60	0- 75	0.5609E-02	90-165	0.3213E-03
75-84.26	0.1375E 00	-7.5 TO 67.5	0.3086E-04	82.5-157.5	0.	75	0- 75	0.4831E-03	90-165	0.
0-15.00	0.3539E-01	-7.5 TO 82.5	0.5752E-02	82.5-172.5	0.4053E-02	0	0- 90	0.3062E-01	90-180	0.3062E-01
15-30.00	0.1038E 00	-7.5 TO 82.5	0.5358E-02	82.5-172.5	0.2494E-02	15	0- 90	0.3400E-01	90-180	0.1992E-01
30-45.00	0.1651E 00	-7.5 TO 82.5	0.3722E-02	82.5-172.5	0.1167E-02	30	0- 90	0.2692E-01	90-180	0.9961E-02
45-60.00	0.2151E 00	-7.5 TO 82.5	0.1876E-02	82.5-172.5	0.3449E-03	45	0- 90	0.1562E-01	90-180	0.3724E-02
60-75.00	0.2505E 00	-7.5 TO 82.5	0.5009E-03	82.5-172.5	0.1230E-04	60	0- 90	0.5966E-02	90-180	0.3283E-03
75-84.26	0.1650E 00	-7.5 TO 82.5	0.2572E-04	82.5-172.5	0.	75	0- 90	0.4831E-03	90-180	0.
0-15.00	0.4129E-01	-7.5 TO 97.5	0.5599E-02	82.5-187.5	0.3986E-02	0	0-105	0.3573E-01	90-195	0.3573E-01
15-30.00	0.1211E 00	-7.5 TO 97.5	0.5076E-02	82.5-187.5	0.2407E-02	15	0-105	0.3805E-01	90-195	0.2278E-01
30-45.00	0.1926E 00	-7.5 TO 97.5	0.3454E-02	82.5-187.5	0.1106E-02	30	0-105	0.2930E-01	90-195	0.1121E-01
45-60.00	0.2510E 00	-7.5 TO 97.5	0.1706E-02	82.5-187.5	0.3176E-03	45	0-105	0.1666E-01	90-195	0.4119E-02
60-75.00	0.2923E 00	-7.5 TO 97.5	0.4366E-03	82.5-187.5	0.1061E-04	60	0-105	0.6154E-02	90-195	0.3352E-03
75-84.26	0.1925E 00	-7.5 TO 97.5	0.2204E-04	82.5-187.5	0.	75	0-105	0.4831E-03	90-195	0.

$r_2/r_1 = 0.70$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.5850$ $\cosh \mu_2 = 2.0214$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 60.35$

0-15.00	0.5859E-02	-7.5 TO 7.5	0.6229E-02	82.5- 97.5	0.4678E-02	0	0- 15	0.5104E-02	90-105	0.5104E-02
15-30.00	0.1729E-01	-7.5 TO 7.5	0.6380E-02	82.5- 97.5	0.3383E-02	15	0- 15	0.6550E-02	90-105	0.4053E-02
30-45.00	0.2751E-01	-7.5 TO 7.5	0.4878E-02	82.5- 97.5	0.1843E-02	30	0- 15	0.5886E-02	90-105	0.2373E-02
45-60.00	0.3585E-01	-7.5 TO 7.5	0.2722E-02	82.5- 97.5	0.6871E-03	45	0- 15	0.3827E-02	90-105	0.1037E-02
60-75.00	0.4175E-01	-7.5 TO 7.5	0.9069E-03	82.5- 97.5	0.5047E-04	60	0- 15	0.1716E-02	90-105	0.1889E-03
75-84.26	0.2750E-01	-7.5 TO 7.5	0.8800E-04	82.5- 97.5	0.	75	0- 15	0.2657E-03	90-105	0.
0-15.00	0.1180E-01	-7.5 TO 22.5	0.6198E-02	82.5-112.5	0.4518E-02	0	0- 30	0.1021E-01	90-120	0.1021E-01
15-30.00	0.3459E-01	-7.5 TO 22.5	0.6310E-02	82.5-112.5	0.3138E-02	15	0- 30	0.1291E-01	90-120	0.7704E-02
30-45.00	0.5502E-01	-7.5 TO 22.5	0.4797E-02	82.5-112.5	0.1643E-02	30	0- 30	0.1145E-01	90-120	0.4325E-02
45-60.00	0.7171E-01	-7.5 TO 22.5	0.2664E-02	82.5-112.5	0.5782E-03	45	0- 30	0.7368E-02	90-120	0.1813E-02
60-75.00	0.8351E-01	-7.5 TO 22.5	0.8771E-03	82.5-112.5	0.3334E-04	60	0- 30	0.3262E-02	90-120	0.2725E-03
75-84.26	0.5499E-01	-7.5 TO 22.5	0.8062E-04	82.5-112.5	0.	75	0- 30	0.4693E-03	90-120	0.
0-15.00	0.1770E-01	-7.5 TO 37.5	0.6128E-02	82.5-127.5	0.4374E-02	0	0- 45	0.1531E-01	90-135	0.1531E-01
15-30.00	0.5188E-01	-7.5 TO 37.5	0.6156E-02	82.5-127.5	0.2928E-02	15	0- 45	0.1892E-01	90-135	0.1103E-01
30-45.00	0.8254E-01	-7.5 TO 37.5	0.4624E-02	82.5-127.5	0.1481E-02	30	0- 45	0.1645E-01	90-135	0.5971E-02
45-60.00	0.1076E 00	-7.5 TO 37.5	0.2538E-02	82.5-127.5	0.4942E-03	45	0- 45	0.1041E-01	90-135	0.2414E-02
60-75.00	0.1253E 00	-7.5 TO 37.5	0.8141E-03	82.5-127.5	0.2386E-04	60	0- 45	0.4512E-02	90-135	0.3015E-03
75-84.26	0.8249E-01	-7.5 TO 37.5	0.6716E-04	82.5-127.5	0.	75	0- 45	0.5777E-03	90-135	0.
0-15.00	0.2360E-01	-7.5 TO 52.5	0.6025E-02	82.5-142.5	0.4247E-02	0	0- 60	0.2042E-01	90-150	0.2042E-01
15-30.00	0.6918E-01	-7.5 TO 52.5	0.5936E-02	82.5-142.5	0.2752E-02	15	0- 60	0.2446E-01	90-150	0.1413E-01
30-45.00	0.1100E 00	-7.5 TO 52.5	0.4382E-02	82.5-142.5	0.1350E-02	30	0- 60	0.2074E-01	90-150	0.7408E-02
45-60.00	0.1434E 00	-7.5 TO 52.5	0.2366E-02	82.5-142.5	0.4301E-03	45	0- 60	0.1287E-01	90-150	0.2904E-02
60-75.00	0.1670E 00	-7.5 TO 52.5	0.7301E-03	82.5-142.5	0.1820E-04	60	0- 60	0.5425E-02	90-150	0.3132E-03
75-84.26	0.1100E 00	-7.5 TO 52.5	0.5335E-04	82.5-142.5	0.	75	0- 60	0.6058E-03	90-150	0.
0-15.00	0.2649E-01	-7.5 TO 67.5	0.5897E-02	82.5-157.5	0.4140E-02	0	0- 75	0.2552E-01	90-165	0.2552E-01
15-30.00	0.8647E-01	-7.5 TO 67.5	0.5673E-02	82.5-157.5	0.2608E-02	15	0- 75	0.2949E-01	90-165	0.1706E-01
30-45.00	0.1376E 00	-7.5 TO 67.5	0.4103E-02	82.5-157.5	0.1247E-02	30	0- 75	0.2431E-01	90-165	0.6715E-02
45-60.00	0.1793E 00	-7.5 TO 67.5	0.2172E-02	82.5-157.5	0.3816E-03	45	0- 75	0.1476E-01	90-165	0.3329E-02
60-75.00	0.2088E 00	-7.5 TO 67.5	0.6399E-03	82.5-157.5	0.1468E-04	60	0- 75	0.6025E-02	90-165	0.3213E-03
75-84.26	0.1375E 00	-7.5 TO 67.5	0.4290E-04	82.5-157.5	0.	75	0- 75	0.6065E-03	90-165	0.
0-15.00	0.3539E-01	-7.5 TO 82.5	0.5752E-02	82.5-172.5	0.4053E-02	0	0- 90	0.3062E-01	90-180	0.3062E-01
15-30.00	0.1038E 00	-7.5 TO 82.5	0.5389E-02	82.5-172.5	0.2494E-02	15	0- 90	0.3401E-01	90-180	0.1992E-01
30-45.00	0.1651E 00	-7.5 TO 82.5	0.3813E-02	82.5-172.5	0.1167E-02	30	0- 90	0.2723E-01	90-180	0.9961E-02
45-60.00	0.2151E 00	-7.5 TO 82.5	0.1976E-02	82.5-172.5	0.3449E-03	45	0- 90	0.1616E-01	90-180	0.3724E-02
60-75.00	0.2505E 00	-7.5 TO 82.5	0.5547E-03	82.5-172.5	0.1232E-04	60	0- 90	0.6383E-02	90-180	0.3283E-03
75-84.26	0.1650E 00	-7.5 TO 82.5	0.3575E-04	82.5-172.5	0.	75	0- 90	0.6065E-03	90-180	0.
0-15.00	0.4129E-01	-7.5 TO 97.5	0.5599E-02	82.5-187.5	0.3986E-02	0	0-105	0.3573E-01	90-195	0.3573E-01
15-30.00	0.1211E 00	-7.5 TO 97.5	0.5102E-02	82.5-187.5	0.2407E-02	15	0-105	0.3807E-01	90-195	0.2278E-01
30-45.00	0.1926E 00	-7.5 TO 97.5	0.3532E-02	82.5-187.5	0.1106E-02	30	0-105	0.2960E-01	90-195	0.1121E-01
45-60.00	0.2510E 00	-7.5 TO 97.5	0.1792E-02	82.5-187.5	0.3177E-03	45	0-105	0.1720E-01	90-195	0.4119E-02
60-75.00	0.2923E 00	-7.5 TO 97.5	0.4827E-03	82.5-187.5	0.1062E-04	60	0-105	0.6572E-02	90-195	0.3352E-03
75-84.26	0.1925E 00	-7.5 TO 97.5	0.3064E-04	82.5-187.5	0.	75	0-105	0.6065E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

r_2/r_1 = 0.70 d/r_1 = 3.000 $\cosh \mu_1$ = 1.5850 $\cosh \mu_2$ = 2.0214 $\alpha_{2,max}$ = 95.74 $\theta_{2,min}$ = 55.48

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.5859E-02	-7.5 TO 7.5	0.6229E-02	82.5- 97.5	0.4678E-02	0	0- 15	0.5104E-02	90-105	0.5104E-02
15-30.00	0.1729E-01	-7.5 TO 7.5	0.6380E-02	82.5- 97.5	0.3383E-02	15	0- 15	0.6550E-02	90-105	0.4053E-02
30-45.00	0.2751E-01	-7.5 TO 7.5	0.4878E-02	82.5- 97.5	0.1843E-02	30	0- 15	0.5886E-02	90-105	0.2373E-02
45-60.00	0.3585E-01	-7.5 TO 7.5	0.2725E-02	82.5- 97.5	0.6871E-03	45	0- 15	0.3827E-02	90-105	0.1037E-02
60-75.00	0.4175E-01	-7.5 TO 7.5	0.9125E-03	82.5- 97.5	0.5047E-04	60	0- 15	0.1722E-02	90-105	0.1889E-03
75-84.26	0.2750E-01	-7.5 TO 7.5	0.8989E-04	82.5- 97.5	0.	75	0- 15	0.2693E-03	90-105	0.
0-15.00	0.1180E-01	-7.5 TO 22.5	0.6198E-02	82.5-112.5	0.4518E-02	0	0- 30	0.1021E-01	90-120	0.1021E-01
15-30.00	0.3459E-01	-7.5 TO 22.5	0.6310E-02	82.5-112.5	0.3138E-02	15	0- 30	0.1291E-01	90-120	0.7704E-02
30-45.00	0.5502E-01	-7.5 TO 22.5	0.4797E-02	82.5-112.5	0.1643E-02	30	0- 30	0.1145E-01	90-120	0.4325E-02
45-60.00	0.7171E-01	-7.5 TO 22.5	0.2666E-02	82.5-112.5	0.5782E-03	45	0- 30	0.7368E-02	90-120	0.1813E-02
60-75.00	0.8351E-01	-7.5 TO 22.5	0.8819E-03	82.5-112.5	0.3334E-04	60	0- 30	0.3269E-02	90-120	0.2725E-03
75-84.26	0.5499E-01	-7.5 TO 22.5	0.8224E-04	82.5-112.5	0.	75	0- 30	0.4747E-03	90-120	0.
0-15.00	0.1770E-01	-7.5 TO 37.5	0.6128E-02	82.5-127.5	0.4374E-02	0	0- 45	0.1531E-01	90-135	0.1531E-01
15-30.00	0.5188E-01	-7.5 TO 37.5	0.6156E-02	82.5-127.5	0.2928E-02	15	0- 45	0.1892E-01	90-135	0.1103E-01
30-45.00	0.8254E-01	-7.5 TO 37.5	0.4624E-02	82.5-127.5	0.1481E-02	30	0- 45	0.1645E-01	90-135	0.5971E-02
45-60.00	0.1076E 00	-7.5 TO 37.5	0.2539E-02	82.5-127.5	0.4942E-03	45	0- 45	0.1041E-01	90-135	0.2414E-02
60-75.00	0.1253E 00	-7.5 TO 37.5	0.8177E-03	82.5-127.5	0.2386E-04	60	0- 45	0.4520E-02	90-135	0.3015E-03
75-84.26	0.8249E-01	-7.5 TO 37.5	0.6838E-04	82.5-127.5	0.	75	0- 45	0.5834E-03	90-135	0.
0-15.00	0.2360E-01	-7.5 TO 52.5	0.6025E-02	82.5-142.5	0.4247E-02	0	0- 60	0.2042E-01	90-150	0.2042E-01
15-30.00	0.6518E-01	-7.5 TO 52.5	0.5936E-02	82.5-142.5	0.2752E-02	15	0- 60	0.2446E-01	90-150	0.1413E-01
30-45.00	0.1100E 00	-7.5 TO 52.5	0.4382E-02	82.5-142.5	0.1350E-02	30	0- 60	0.2074E-01	90-150	0.7408E-02
45-60.00	0.1434E 00	-7.5 TO 52.5	0.2367E-02	82.5-142.5	0.4301E-03	45	0- 60	0.1287E-01	90-150	0.2904E-02
60-75.00	0.1670E 00	-7.5 TO 52.5	0.7328E-03	82.5-142.5	0.1820E-04	60	0- 60	0.5432E-02	90-150	0.3132E-03
75-84.26	0.1100E 00	-7.5 TO 52.5	0.5427E-04	82.5-142.5	0.	75	0- 60	0.6115E-03	90-150	0.
0-15.00	0.2949E-01	-7.5 TO 67.5	0.5897E-02	82.5-157.5	0.4140E-02	0	0- 75	0.2552E-01	90-165	0.2552E-01
15-30.00	0.8647E-01	-7.5 TO 67.5	0.5673E-02	82.5-157.5	0.2608E-02	15	0- 75	0.2949E-01	90-165	0.1706E-01
30-45.00	0.1376E 00	-7.5 TO 67.5	0.4103E-02	82.5-157.5	0.1247E-02	30	0- 75	0.2431E-01	90-165	0.8715E-02
45-60.00	0.1793E 00	-7.5 TO 67.5	0.2173E-02	82.5-157.5	0.3816E-03	45	0- 75	0.1476E-01	90-165	0.3329E-02
60-75.00	0.2088E 00	-7.5 TO 67.5	0.6421E-03	82.5-157.5	0.1468E-04	60	0- 75	0.6033E-02	90-165	0.3213E-03
75-84.26	0.1375E 00	-7.5 TO 67.5	0.4363E-04	82.5-157.5	0.	75	0- 75	0.6122E-03	90-165	0.
0-15.00	0.3539E-01	-7.5 TO 82.5	0.5752E-02	82.5-172.5	0.4053E-02	0	0- 90	0.3062E-01	90-180	0.3062E-01
15-30.00	0.1038E 00	-7.5 TO 82.5	0.5389E-02	82.5-172.5	0.2494E-02	15	0- 90	0.3401E-01	90-180	0.1992E-01
30-45.00	0.1651E 00	-7.5 TO 82.5	0.3813E-02	82.5-172.5	0.1167E-02	30	0- 90	0.2723E-01	90-180	0.9961E-02
45-60.00	0.2151E 00	-7.5 TO 82.5	0.1977E-02	82.5-172.5	0.3449E-03	45	0- 90	0.1616E-01	90-180	0.3724E-02
60-75.00	0.2505E 00	-7.5 TO 82.5	0.5565E-03	82.5-172.5	0.1232E-04	60	0- 90	0.6390E-02	90-180	0.3283E-03
75-84.26	0.1650E 00	-7.5 TO 82.5	0.3636E-04	82.5-172.5	0.	75	0- 90	0.6122E-03	90-180	0.
0-15.00	0.4129E-01	-7.5 TO 97.5	0.5599E-02	82.5-187.5	0.3986E-02	0	0-105	0.3573E-01	90-195	0.3573E-01
15-30.00	0.1211E 00	-7.5 TO 97.5	0.5102E-02	82.5-187.5	0.2407E-02	15	0-105	0.3807E-01	90-195	0.2278E-01
30-45.00	0.1926E 00	-7.5 TO 97.5	0.3532E-02	82.5-187.5	0.1106E-02	30	0-105	0.2960E-01	90-195	0.1121E-01
45-60.00	0.2510E 00	-7.5 TO 97.5	0.1792E-02	82.5-187.5	0.3177E-03	45	0-105	0.1720E-01	90-195	0.4119E-02
60-75.00	0.2923E 00	-7.5 TO 97.5	0.4842E-03	82.5-187.5	0.1062E-04	60	0-105	0.6579E-02	90-195	0.3352E-03
75-84.26	0.1925E 00	-7.5 TO 97.5	0.3117E-04	82.5-187.5	0.	75	0-105	0.6122E-03	90-195	0.

r_2/r_1 = 0.70 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5510 $\cosh \mu_2$ = 3.4986 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 159.96

0-15.00	0.1620E-02	-7.5 TO 7.5	0.1209E-03	82.5- 97.5	0.1182E-03	0	0- 15	0.1234E-03	90-105	0.1234E-03
15-30.00	0.4749E-02	-7.5 TO 7.5	0.1047E-03	82.5- 97.5	0.9945E-04	15	0- 15	0.1170E-03	90-105	0.1125E-03
30-45.00	0.7554E-02	-7.5 TO 7.5	0.7610E-04	82.5- 97.5	0.7005E-04	30	0- 15	0.9279E-04	90-105	0.8606E-04
45-60.00	0.9845E-02	-7.5 TO 7.5	0.4442E-04	82.5- 97.5	0.3938E-04	45	0- 15	0.6072E-04	90-105	0.5425E-04
60-75.00	0.1148E-01	-7.5 TO 7.5	0.1642E-04	82.5- 97.5	0.1311E-04	60	0- 15	0.2981E-04	90-105	0.2507E-04
75-86.56	0.9451E-02	-7.5 TO 7.5	0.5818E-06	82.5- 97.5	0.1660E-06	75	0- 15	0.4529E-05	90-105	0.1825E-05
0-15.00	0.3239E-02	-7.5 TO 22.5	0.1208E-03	82.5-112.5	0.1178E-03	0	0- 30	0.2469E-03	90-120	0.2469E-03
15-30.00	0.9497E-02	-7.5 TO 22.5	0.1046E-03	82.5-112.5	0.9879E-04	15	0- 30	0.2337E-03	90-120	0.2241E-03
30-45.00	0.1511E-01	-7.5 TO 22.5	0.7599E-04	82.5-112.5	0.6930E-04	30	0- 30	0.1852E-03	90-120	0.1707E-03
45-60.00	0.1969E-01	-7.5 TO 22.5	0.4433E-04	82.5-112.5	0.3876E-04	45	0- 30	0.1210E-03	90-120	0.1071E-03
60-75.00	0.2293E-01	-7.5 TO 22.5	0.1636E-04	82.5-112.5	0.1272E-04	60	0- 30	0.5931E-04	90-120	0.4916E-04
75-86.56	0.1890E-01	-7.5 TO 22.5	0.5675E-06	82.5-112.5	0.1435E-06	75	0- 30	0.8884E-05	90-120	0.3101E-05
0-15.00	0.4859E-02	-7.5 TO 37.5	0.1207E-03	82.5-127.5	0.1175E-03	0	0- 45	0.3703E-03	90-135	0.3703E-03
15-30.00	0.1425E-01	-7.5 TO 37.5	0.1044E-03	82.5-127.5	0.9816E-04	15	0- 45	0.3498E-03	90-135	0.3348E-03
30-45.00	0.2266E-01	-7.5 TO 37.5	0.7575E-04	82.5-127.5	0.6860E-04	30	0- 45	0.2767E-03	90-135	0.2540E-03
45-60.00	0.2953E-01	-7.5 TO 37.5	0.4433E-04	82.5-127.5	0.3818E-04	45	0- 45	0.1806E-03	90-135	0.1588E-03
60-75.00	0.3439E-01	-7.5 TO 37.5	0.1622E-04	82.5-127.5	0.1235E-04	60	0- 45	0.8824E-04	90-135	0.7239E-04
75-86.56	0.2835E-01	-7.5 TO 37.5	0.5360E-06	82.5-127.5	0.1226E-06	75	0- 45	0.1290E-04	90-135	0.3902E-05
0-15.00	0.6479E-02	-7.5 TO 52.5	0.1206E-03	82.5-142.5	0.1172E-03	0	0- 60	0.4937E-03	90-150	0.4937E-03
15-30.00	0.1899E-01	-7.5 TO 52.5	0.1041E-03	82.5-142.5	0.9759E-04	15	0- 60	0.4653E-03	90-150	0.4448E-03
30-45.00	0.3022E-01	-7.5 TO 52.5	0.7538E-04	82.5-142.5	0.6796E-04	30	0- 60	0.3672E-03	90-150	0.3363E-03
45-60.00	0.3938E-01	-7.5 TO 52.5	0.4382E-04	82.5-142.5	0.3766E-04	45	0- 60	0.2390E-03	90-150	0.2095E-03
60-75.00	0.4586E-01	-7.5 TO 52.5	0.1602E-04	82.5-142.5	0.1201E-04	60	0- 60	0.1164E-03	90-150	0.9492E-04
75-86.56	0.3780E-01	-7.5 TO 52.5	0.4921E-06	82.5-142.5	0.1041E-06	75	0- 60	0.1646E-04	90-150	0.4379E-05
0-15.00	0.8098E-02	-7.5 TO 67.5	0.1204E-03	82.5-157.5	0.1169E-03	0	0- 75	0.6171E-03	90-165	0.6171E-03
15-30.00	0.2374E-01	-7.5 TO 67.5	0.1037E-03	82.5-157.5	0.9709E-04	15	0- 75	0.5798E-03	90-165	0.5543E-03
30-45.00	0.3777E-01	-7.5 TO 67.5	0.7491E-04	82.5-157.5	0.6740E-04	30	0- 75	0.4563E-03	90-165	0.4179E-03
45-60.00	0.4922E-01	-7.5 TO 67.5	0.4342E-04	82.5-157.5	0.3721E-04	45	0- 75	0.2962E-03	90-165	0.2596E-03
60-75.00	0.5732E-01	-7.5 TO 67.5	0.1576E-04	82.5-157.5	0.1172E-04	60	0- 75	0.1435E-03	90-165	0.1170E-03
75-86.56	0.4725E-01	-7.5 TO 67.5	0.4467E-06	82.5-157.5	0.8957E-07	75	0- 75	0.1947E-04	90-165	0.4724E-05
0-15.00	0.9718E-02	-7.5 TO 82.5	0.1201E-03	82.5-172.5	0.1167E-03	0	0- 90	0.7406E-03	90-180	0.7406E-03
15-30.00	0.2849E-01	-7.5 TO 82.5	0.1032E-03	82.5-172.5	0.9667E-04	15	0- 90	0.6934E-03	90-180	0.6635E-03
30-45.00	0.4532E-01	-7.5 TO 82.5	0.7435E-04	82.5-172.5	0.6693E-04	30	0- 90	0.5439E-03	90-180	0.4991E-03
45-60.00	0.5907E-01	-7.5 TO 82.5	0.4296E-04	82.5-172.5	0.3683E-04	45	0- 90	0.3519E-03	90-180	0.3092E-03
60-75.00	0.6879E-01	-7.5 TO 82.5	0.1545E-04	82.5-172.5	0.1149E-04	60	0- 90	0.1697E-03	90-180	0.1388E-03
75-86.56	0.5670E-01	-7.5 TO 82.5	0.4077E-06	82.5-172.5	0.7877E-07	75	0- 90	0.2189E-04	90-180	0.5020E-05
0-15.00	0.1134E-01	-7.5 TO 97.5	0.1198E-03	82.5-187.5	0.1165E-03	0	0-105	0.8640E-03	90-195	0.8640E-03
15-30.00	0.3324E-01	-7.5 TO 97.5	0.1027E-03	82.5-187.5	0.9635E-04	15	0-105	0.8059E-03	90-195	0.7728E-03
30-45.00	0.5288E-01	-7.5 TO 97.5	0.7374E-04	82.5-187.5	0.6658E-04	30	0-105	0.6299E-03	90-195	0.5803E-03
45-60.00	0.6891E-01	-7.5 TO 97.5	0.4245E-04	82.5-187.5	0.3654E-04	45	0-105	0.4061E-03	90-195	0.3589E-03
60-75.00	0.8025E-01	-7.5 TO 97.5	0.1512E-04	82.5-187.5	0.1131E-04	60	0-105	0.1947E-03	90-195	0.1606E-03
75-86.56	0.6615E-01	-7.5 TO 97.5	0.3731E-06	82.5-187.5	0.7080E-07	75	0-105	0.2371E-04	90-195	0.5317E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5510$ $\cosh \mu_2 = 3.4986$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 140.45$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1620E-02	-7.5 TO 7.5	0.4391E-03	82.5- 97.5	0.4200E-03	0	0- 15	0.4385E-03	90-105	0.4385E-03
15-30.00	0.4149E-02	-7.5 TO 7.5	0.3917E-03	82.5- 97.5	0.3542E-03	15	0- 15	0.4296E-03	90-105	0.3985E-03
30-45.00	0.7554E-02	-7.5 TO 7.5	0.2939E-03	82.5- 97.5	0.2504E-03	30	0- 15	0.3523E-03	90-105	0.3044E-03
45-60.00	0.9845E-02	-7.5 TO 7.5	0.1782E-03	82.5- 97.5	0.1414E-03	45	0- 15	0.2386E-03	90-105	0.1919E-03
60-75.00	0.1146E-01	-7.5 TO 7.5	0.7189E-04	82.5- 97.5	0.4759E-04	60	0- 15	0.1231E-03	90-105	0.8868E-04
75-86.56	0.9451E-02	-7.5 TO 7.5	0.5585E-05	82.5- 97.5	0.6375E-06	75	0- 15	0.2593E-04	90-105	0.6124E-05
0-15.00	0.3239E-02	-7.5 TO 22.5	0.4388E-03	82.5-112.5	0.4176E-03	0	0- 30	0.8770E-03	90-120	0.8770E-03
15-30.00	0.9497E-02	-7.5 TO 22.5	0.3910E-03	82.5-112.5	0.3496E-03	15	0- 30	0.8573E-03	90-120	0.7903E-03
30-45.00	0.1511E-01	-7.5 TO 22.5	0.2931E-03	82.5-112.5	0.2452E-03	30	0- 30	0.7015E-03	90-120	0.5989E-03
45-60.00	0.1969E-01	-7.5 TO 22.5	0.1775E-03	82.5-112.5	0.1372E-03	45	0- 30	0.4741E-03	90-120	0.3745E-03
60-75.00	0.2293E-01	-7.5 TO 22.5	0.7142E-04	82.5-112.5	0.4489E-04	60	0- 30	0.2440E-03	90-120	0.1707E-03
75-86.56	0.1890E-01	-7.5 TO 22.5	0.5445E-05	82.5-112.5	0.4861E-06	75	0- 30	0.5049E-04	90-120	0.8672E-05
0-15.00	0.4859E-02	-7.5 TO 37.5	0.4380E-03	82.5-127.5	0.4154E-03	0	0- 45	0.1315E-02	90-135	0.1315E-02
15-30.00	0.1425E-01	-7.5 TO 37.5	0.3895E-03	82.5-127.5	0.3453E-03	15	0- 45	0.1281E-02	90-135	0.1176E-02
30-45.00	0.2266E-01	-7.5 TO 37.5	0.2913E-03	82.5-127.5	0.2404E-03	30	0- 45	0.1045E-02	90-135	0.8847E-03
45-60.00	0.2953E-01	-7.5 TO 37.5	0.1760E-03	82.5-127.5	0.1333E-03	45	0- 45	0.7038E-03	90-135	0.5490E-03
60-75.00	0.3439E-01	-7.5 TO 37.5	0.7038E-04	82.5-127.5	0.4243E-04	60	0- 45	0.3604E-03	90-135	0.2470E-03
75-86.56	0.2835E-01	-7.5 TO 37.5	0.5144E-05	82.5-127.5	0.3633E-06	75	0- 45	0.7246E-04	90-135	0.9536E-05
0-15.00	0.6479E-02	-7.5 TO 52.5	0.4369E-03	82.5-142.5	0.4133E-03	0	0- 60	0.1754E-02	90-150	0.1754E-02
15-30.00	0.1899E-01	-7.5 TO 52.5	0.3872E-03	82.5-142.5	0.3414E-03	15	0- 60	0.1700E-02	90-150	0.1557E-02
30-45.00	0.3022E-01	-7.5 TO 52.5	0.2886E-03	82.5-142.5	0.2361E-03	30	0- 60	0.1380E-02	90-150	0.1164E-02
45-60.00	0.3938E-01	-7.5 TO 52.5	0.1737E-03	82.5-142.5	0.1298E-03	45	0- 60	0.9255E-03	90-150	0.7172E-03
60-75.00	0.4586E-01	-7.5 TO 52.5	0.6883E-04	82.5-142.5	0.4029E-04	60	0- 60	0.4709E-03	90-150	0.3189E-03
75-86.56	0.3780E-01	-7.5 TO 52.5	0.4721E-05	82.5-142.5	0.2848E-06	75	0- 60	0.9093E-04	90-150	0.1001E-04
0-15.00	0.8098E-02	-7.5 TO 67.5	0.4354E-03	82.5-157.5	0.4115E-03	0	0- 75	0.2192E-02	90-165	0.2192E-02
15-30.00	0.2374E-01	-7.5 TO 67.5	0.3843E-03	82.5-157.5	0.3380E-03	15	0- 75	0.2112E-02	90-165	0.1935E-02
30-45.00	0.3777E-01	-7.5 TO 67.5	0.2851E-03	82.5-157.5	0.2323E-03	30	0- 75	0.1706E-02	90-165	0.1438E-02
45-60.00	0.4922E-01	-7.5 TO 67.5	0.1707E-03	82.5-157.5	0.1268E-03	45	0- 75	0.1138E-02	90-165	0.8809E-03
60-75.00	0.5732E-01	-7.5 TO 67.5	0.6687E-04	82.5-157.5	0.3847E-04	60	0- 75	0.5743E-03	90-165	0.3878E-03
75-86.56	0.4725E-01	-7.5 TO 67.5	0.4211E-05	82.5-157.5	0.2342E-06	75	0- 75	0.1054E-03	90-165	0.1036E-04
0-15.00	0.9718E-02	-7.5 TO 82.5	0.4336E-03	82.5-172.5	0.4100E-03	0	0- 90	0.2631E-02	90-180	0.2631E-02
15-30.00	0.2849E-01	-7.5 TO 82.5	0.3808E-03	82.5-172.5	0.3352E-03	15	0- 90	0.2518E-02	90-180	0.2311E-02
30-45.00	0.4532E-01	-7.5 TO 82.5	0.2811E-03	82.5-172.5	0.2292E-03	30	0- 90	0.2021E-02	90-180	0.1709E-02
45-60.00	0.5907E-01	-7.5 TO 82.5	0.1673E-03	82.5-172.5	0.1243E-03	45	0- 90	0.1340E-02	90-180	0.1042E-02
60-75.00	0.6879E-01	-7.5 TO 82.5	0.6461E-04	82.5-172.5	0.3699E-04	60	0- 90	0.6703E-03	90-180	0.4551E-03
75-86.56	0.5670E-01	-7.5 TO 82.5	0.3693E-05	82.5-172.5	0.1993E-06	75	0- 90	0.1155E-03	90-180	0.1065E-04
0-15.00	0.1134E-01	-7.5 TO 97.5	0.4317E-03	82.5-187.5	0.4088E-03	0	0-105	0.3069E-02	90-195	0.3069E-02
15-30.00	0.3324E-01	-7.5 TO 97.5	0.3770E-03	82.5-187.5	0.3330E-03	15	0-105	0.2917E-02	90-195	0.2687E-02
30-45.00	0.5288E-01	-7.5 TO 97.5	0.2767E-03	82.5-187.5	0.2268E-03	30	0-105	0.2325E-02	90-195	0.1981E-02
45-60.00	0.6891E-01	-7.5 TO 97.5	0.1636E-03	82.5-187.5	0.1224E-03	45	0-105	0.1532E-02	90-195	0.1204E-02
60-75.00	0.8025E-01	-7.5 TO 97.5	0.6218E-04	82.5-187.5	0.3586E-04	60	0-105	0.7590E-03	90-195	0.5225E-03
75-86.56	0.6615E-01	-7.5 TO 97.5	0.3256E-05	82.5-187.5	0.1741E-06	75	0-105	0.1217E-03	90-195	0.1095E-04

$r_2/r_1 = 0.70$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5510$ $\cosh \mu_2 = 3.4986$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 121.87$

0-15.00	0.1620E-02	-7.5 TO 7.5	0.8328E-03	82.5- 97.5	0.7810E-03	0	0- 15	0.8147E-03	90-105	0.8147E-03
15-30.00	0.4149E-02	-7.5 TO 7.5	0.7635E-03	82.5- 97.5	0.6604E-03	15	0- 15	0.8233E-03	90-105	0.7386E-03
30-45.00	0.7554E-02	-7.5 TO 7.5	0.5904E-03	82.5- 97.5	0.4691E-03	30	0- 15	0.6965E-03	90-105	0.5644E-03
45-60.00	0.9845E-02	-7.5 TO 7.5	0.3704E-03	82.5- 97.5	0.2669E-03	45	0- 15	0.4869E-03	90-105	0.3567E-03
60-75.00	0.1146E-01	-7.5 TO 7.5	0.1599E-03	82.5- 97.5	0.9110E-04	60	0- 15	0.2623E-03	90-105	0.1654E-03
75-86.56	0.9451E-02	-7.5 TO 7.5	0.1860E-04	82.5- 97.5	0.1347E-05	75	0- 15	0.6702E-04	90-105	0.1146E-04
0-15.00	0.3239E-02	-7.5 TO 22.5	0.8319E-03	82.5-112.5	0.7745E-03	0	0- 30	0.1629E-02	90-120	0.1629E-02
15-30.00	0.9497E-02	-7.5 TO 22.5	0.7617E-03	82.5-112.5	0.6480E-03	15	0- 30	0.1641E-02	90-120	0.1459E-02
30-45.00	0.1511E-01	-7.5 TO 22.5	0.5881E-03	82.5-112.5	0.4552E-03	30	0- 30	0.1384E-02	90-120	0.1102E-02
45-60.00	0.1969E-01	-7.5 TO 22.5	0.3684E-03	82.5-112.5	0.2556E-03	45	0- 30	0.9650E-03	90-120	0.6884E-03
60-75.00	0.2293E-01	-7.5 TO 22.5	0.1585E-03	82.5-112.5	0.8398E-04	60	0- 30	0.5178E-03	90-120	0.3132E-03
75-86.56	0.1890E-01	-7.5 TO 22.5	0.1812E-04	82.5-112.5	0.9435E-06	75	0- 30	0.1300E-03	90-120	0.1459E-04
0-15.00	0.4859E-02	-7.5 TO 37.5	0.8298E-03	82.5-127.5	0.7684E-03	0	0- 45	0.2444E-02	90-135	0.2444E-02
15-30.00	0.1425E-01	-7.5 TO 37.5	0.7574E-03	82.5-127.5	0.6365E-03	15	0- 45	0.2449E-02	90-135	0.2164E-02
30-45.00	0.2266E-01	-7.5 TO 37.5	0.5830E-03	82.5-127.5	0.4424E-03	30	0- 45	0.2056E-02	90-135	0.1617E-02
45-60.00	0.2953E-01	-7.5 TO 37.5	0.3639E-03	82.5-127.5	0.2452E-03	45	0- 45	0.1426E-02	90-135	0.9991E-03
60-75.00	0.3439E-01	-7.5 TO 37.5	0.1556E-03	82.5-127.5	0.7768E-04	60	0- 45	0.7605E-03	90-135	0.4465E-03
75-86.56	0.2835E-01	-7.5 TO 37.5	0.1707E-04	82.5-127.5	0.6712E-06	75	0- 45	0.1853E-03	90-135	0.1545E-04
0-15.00	0.6479E-02	-7.5 TO 52.5	0.8267E-03	82.5-142.5	0.7629E-03	0	0- 60	0.3259E-02	90-150	0.3259E-02
15-30.00	0.1899E-01	-7.5 TO 52.5	0.7510E-03	82.5-142.5	0.6262E-03	15	0- 60	0.3242E-02	90-150	0.2856E-02
30-45.00	0.3022E-01	-7.5 TO 52.5	0.5753E-03	82.5-142.5	0.4310E-03	30	0- 60	0.2704E-02	90-150	0.2114E-02
45-60.00	0.3938E-01	-7.5 TO 52.5	0.3573E-03	82.5-142.5	0.2361E-03	45	0- 60	0.1865E-02	90-150	0.1293E-02
60-75.00	0.4586E-01	-7.5 TO 52.5	0.1509E-03	82.5-142.5	0.7227E-04	60	0- 60	0.9861E-03	90-150	0.5686E-03
75-86.56	0.3780E-01	-7.5 TO 52.5	0.1558E-04	82.5-142.5	0.5158E-06	75	0- 60	0.2305E-03	90-150	0.1593E-04
0-15.00	0.8098E-02	-7.5 TO 67.5	0.8226E-03	82.5-157.5	0.7580E-03	0	0- 75	0.4073E-02	90-165	0.4073E-02
15-30.00	0.2374E-01	-7.5 TO 67.5	0.7429E-03	82.5-157.5	0.6172E-03	15	0- 75	0.4019E-02	90-165	0.3540E-02
30-45.00	0.3777E-01	-7.5 TO 67.5	0.5656E-03	82.5-157.5	0.4212E-03	30	0- 75	0.3326E-02	90-165	0.2598E-02
45-60.00	0.4922E-01	-7.5 TO 67.5	0.3489E-03	82.5-157.5	0.2283E-03	45	0- 75	0.2277E-02	90-165	0.1577E-02
60-75.00	0.5732E-01	-7.5 TO 67.5	0.1452E-03	82.5-157.5	0.6774E-04	60	0- 75	0.1192E-02	90-165	0.6832E-03
75-86.56	0.4725E-01	-7.5 TO 67.5	0.1386E-04	82.5-157.5	0.4189E-06	75	0- 75	0.2643E-03	90-165	0.1627E-04
0-15.00	0.9718E-02	-7.5 TO 82.5	0.8179E-03	82.5-172.5	0.7540E-03	0	0- 90	0.4888E-02	90-180	0.4888E-02
15-30.00	0.2849E-01	-7.5 TO 82.5	0.7334E-03	82.5-172.5	0.6097E-03	15	0- 90	0.4776E-02	90-180	0.4219E-02
30-45.00	0.4532E-01	-7.5 TO 82.5	0.5544E-03	82.5-172.5	0.4131E-03	30	0- 90	0.3919E-02	90-180	0.3076E-02
45-60.00	0.5907E-01	-7.5 TO 82.5	0.3393E-03	82.5-172.5	0.2219E-03	45	0- 90	0.2661E-02	90-180	0.1854E-02
60-75.00	0.6879E-01	-7.5 TO 82.5	0.1388E-03	82.5-172.5	0.6409E-04	60	0- 90	0.1377E-02	90-180	0.7942E-03
75-86.56	0.5670E-01	-7.5 TO 82.5	0.1210E-04	82.5-172.5	0.3532E-06	75	0- 90	0.2865E-03	90-180	0.1657E-04
0-15.00	0.1134E-01	-7.5 TO 97.5	0.8126E-03	82.5-187.5	0.7509E-03	0	0-105	0.5703E-02	90-195	0.5703E-02
15-30.00	0.3324E-01	-7.5 TO 97.5	0.7229E-03	82.5-187.5	0.6040E-03	15	0-105	0.5515E-02	90-195	0.4897E-02
30-45.00	0.5288E-01	-7.5 TO 97.5	0.5422E-03	82.5-187.5	0.4069E-03	30	0-105	0.4484E-02	90-195	0.3555E-02
45-60.00	0.6891E-01	-7.5 TO 97.5	0.3289E-03	82.5-187.5	0.2170E-03	45	0-105	0.3018E-02	90-195	0.2131E-02
60-75.00	0.8025E-01	-7.5 TO 97.5	0.1320E-03	82.5-187.5	0.6130E-04	60	0-105	0.1542E-02	90-195	0.9051E-03
75-86.56	0.6615E-01	-7.5 TO 97.5	0.1057E-04	82.5-187.5	0.3060E-06	75	0-105	0.2979E-03	90-195	0.1687E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5510$ $\cosh \mu_2 = 3.4986$ $\alpha_{2,\max} = 60.00$ $\theta_{2,\min} = 104.47$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1620E-02	-7.5 TO 7.5	0.1166E-02	82.5- 97.5	0.1073E-02	0	0- 15	0.1119E-02	90-105	0.1119E-02
15-30.00	0.4749E-02	-7.5 TO 7.5	0.1096E-02	82.5- 97.5	0.9099E-03	15	0- 15	0.1163E-02	90-105	0.1012E-02
30-45.00	0.7554E-02	-7.5 TO 7.5	0.8711E-03	82.5- 97.5	0.6498E-03	30	0- 15	0.1013E-02	90-105	0.7737E-03
45-60.00	0.9845E-02	-7.5 TO 7.5	0.5626E-03	82.5- 97.5	0.3725E-03	45	0- 15	0.7284E-03	90-105	0.4906E-03
60-75.00	0.1166E-01	-7.5 TO 7.5	0.2550E-03	82.5- 97.5	0.1291E-03	60	0- 15	0.4060E-03	90-105	0.2287E-03
75-86.56	0.9451E-02	-7.5 TO 7.5	0.3790E-04	82.5- 97.5	0.2183E-05	75	0- 15	0.1167E-03	90-105	0.1649E-04
0-15.00	0.3239E-02	-7.5 TO 22.5	0.1164E-02	82.5-112.5	0.1062E-02	0	0- 30	0.2237E-02	90-120	0.2237E-02
15-30.00	0.9497E-02	-7.5 TO 22.5	0.1093E-02	82.5-112.5	0.8881E-03	15	0- 30	0.2317E-02	90-120	0.1992E-02
30-45.00	0.1511E-01	-7.5 TO 22.5	0.8668E-03	82.5-112.5	0.6253E-03	30	0- 30	0.2010E-02	90-120	0.1501E-02
45-60.00	0.1969E-01	-7.5 TO 22.5	0.5589E-03	82.5-112.5	0.3526E-03	45	0- 30	0.1440E-02	90-120	0.9375E-03
60-75.00	0.2293E-01	-7.5 TO 22.5	0.2524E-03	82.5-112.5	0.1169E-03	60	0- 30	0.7992E-03	90-120	0.4272E-03
75-86.56	0.1890E-01	-7.5 TO 22.5	0.3679E-04	82.5-112.5	0.1451E-05	75	0- 30	0.2256E-03	90-120	0.2006E-04
0-15.00	0.4859E-02	-7.5 TO 37.5	0.1160E-02	82.5-127.5	0.1051E-02	0	0- 45	0.3356E-02	90-135	0.3356E-02
15-30.00	0.1425E-01	-7.5 TO 37.5	0.1085E-02	82.5-127.5	0.8678E-03	15	0- 45	0.3453E-02	90-135	0.2944E-02
30-45.00	0.2266E-01	-7.5 TO 37.5	0.8573E-03	82.5-127.5	0.6028E-03	30	0- 45	0.2977E-02	90-135	0.2188E-02
45-60.00	0.2953E-01	-7.5 TO 37.5	0.5504E-03	82.5-127.5	0.3346E-03	45	0- 45	0.2121E-02	90-135	0.1348E-02
60-75.00	0.3439E-01	-7.5 TO 37.5	0.2466E-03	82.5-127.5	0.1063E-03	60	0- 45	0.1168E-02	90-135	0.6012E-03
75-86.56	0.2835E-01	-7.5 TO 37.5	0.3445E-04	82.5-127.5	0.1012E-05	75	0- 45	0.3201E-03	90-135	0.2092E-04
0-15.00	0.6479E-02	-7.5 TO 52.5	0.1155E-02	82.5-142.5	0.1041E-02	0	0- 60	0.4474E-02	90-150	0.4474E-02
15-30.00	0.1899E-01	-7.5 TO 52.5	0.1073E-02	82.5-142.5	0.8496E-03	15	0- 60	0.4562E-02	90-150	0.3874E-02
30-45.00	0.3022E-01	-7.5 TO 52.5	0.8431E-03	82.5-142.5	0.5829E-03	30	0- 60	0.3902E-02	90-150	0.2843E-02
45-60.00	0.3938E-01	-7.5 TO 52.5	0.5379E-03	82.5-142.5	0.3189E-03	45	0- 60	0.2760E-02	90-150	0.1731E-02
60-75.00	0.4586E-01	-7.5 TO 52.5	0.2381E-03	82.5-142.5	0.9739E-04	60	0- 60	0.1505E-02	90-150	0.7570E-03
75-86.56	0.3780E-01	-7.5 TO 52.5	0.3131E-04	82.5-142.5	0.7717E-06	75	0- 60	0.3959E-03	90-150	0.2140E-04
0-15.00	0.8098E-02	-7.5 TO 67.5	0.1147E-02	82.5-157.5	0.1032E-02	0	0- 75	0.5593E-02	90-165	0.5593E-02
15-30.00	0.2374E-01	-7.5 TO 67.5	0.1059E-02	82.5-157.5	0.8339E-03	15	0- 75	0.5641E-02	90-165	0.4789E-02
30-45.00	0.3777E-01	-7.5 TO 67.5	0.8252E-03	82.5-157.5	0.5658E-03	30	0- 75	0.4778E-02	90-165	0.3478E-02
45-60.00	0.4922E-01	-7.5 TO 67.5	0.5223E-03	82.5-157.5	0.3056E-03	45	0- 75	0.3350E-02	90-165	0.2095E-02
60-75.00	0.5732E-01	-7.5 TO 67.5	0.2275E-03	82.5-157.5	0.9004E-04	60	0- 75	0.1806E-02	90-165	0.9007E-03
75-86.56	0.4725E-01	-7.5 TO 67.5	0.2776E-04	82.5-157.5	0.6236E-06	75	0- 75	0.4510E-03	90-165	0.2174E-04
0-15.00	0.9718E-02	-7.5 TO 82.5	0.1139E-02	82.5-172.5	0.1025E-02	0	0- 90	0.6711E-02	90-180	0.6711E-02
15-30.00	0.2849E-01	-7.5 TO 82.5	0.1041E-02	82.5-172.5	0.8209E-03	15	0- 90	0.6687E-02	90-180	0.5696E-02
30-45.00	0.4532E-01	-7.5 TO 82.5	0.8047E-03	82.5-172.5	0.5518E-03	30	0- 90	0.5603E-02	90-180	0.4101E-02
45-60.00	0.5907E-01	-7.5 TO 82.5	0.5046E-03	82.5-172.5	0.2948E-03	45	0- 90	0.3889E-02	90-180	0.2449E-02
60-75.00	0.6879E-01	-7.5 TO 82.5	0.2157E-03	82.5-172.5	0.8419E-04	60	0- 90	0.2069E-02	90-180	0.1038E-02
75-86.56	0.5670E-01	-7.5 TO 82.5	0.2420E-04	82.5-172.5	0.5238E-06	75	0- 90	0.4857E-03	90-180	0.2204E-04
0-15.00	0.1134E-01	-7.5 TO 97.5	0.1129E-02	82.5-187.5	0.1020E-02	0	0-105	0.7830E-02	90-195	0.7830E-02
15-30.00	0.3324E-01	-7.5 TO 97.5	0.1023E-02	82.5-187.5	0.8109E-03	15	0-105	0.7699E-02	90-195	0.6603E-02
30-45.00	0.5288E-01	-7.5 TO 97.5	0.7826E-03	82.5-187.5	0.5411E-03	30	0-105	0.6377E-02	90-195	0.4725E-02
45-60.00	0.6891E-01	-7.5 TO 97.5	0.4819E-03	82.5-187.5	0.2864E-03	45	0-105	0.4379E-02	90-195	0.2803E-02
60-75.00	0.8025E-01	-7.5 TO 97.5	0.2033E-03	82.5-187.5	0.7976E-04	60	0-105	0.2298E-02	90-195	0.1176E-02
75-86.56	0.6615E-01	-7.5 TO 97.5	0.2105E-04	82.5-187.5	0.4523E-06	75	0-105	0.5022E-03	90-195	0.2234E-04

$r_2/r_1 = 0.70$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5510$ $\cosh \mu_2 = 3.4986$ $\alpha_{2,\max} = 75.00$ $\theta_{2,\min} = 88.33$

0-15.00	0.1620E-02	-7.5 TO 7.5	0.1346E-02	82.5- 97.5	0.1216E-02	0	0- 15	0.1267E-02	90-105	0.1267E-02
15-30.00	0.4749E-02	-7.5 TO 7.5	0.1297E-02	82.5- 97.5	0.1033E-02	15	0- 15	0.1356E-02	90-105	0.1143E-02
30-45.00	0.7554E-02	-7.5 TO 7.5	0.1057E-02	82.5- 97.5	0.7412E-03	30	0- 15	0.1213E-02	90-105	0.8738E-03
45-60.00	0.9845E-02	-7.5 TO 7.5	0.6989E-03	82.5- 97.5	0.4276E-03	45	0- 15	0.8940E-03	90-105	0.5554E-03
60-75.00	0.1166E-01	-7.5 TO 7.5	0.3274E-03	82.5- 97.5	0.1499E-03	60	0- 15	0.5114E-03	90-105	0.2603E-03
75-86.56	0.9451E-02	-7.5 TO 7.5	0.5609E-04	82.5- 97.5	0.2829E-05	75	0- 15	0.1571E-03	90-105	0.1955E-04
0-15.00	0.3239E-02	-7.5 TO 22.5	0.1344E-02	82.5-112.5	0.1200E-02	0	0- 30	0.2533E-02	90-120	0.2533E-02
15-30.00	0.9497E-02	-7.5 TO 22.5	0.1292E-02	82.5-112.5	0.1003E-02	15	0- 30	0.2699E-02	90-120	0.2241E-02
30-45.00	0.1511E-01	-7.5 TO 22.5	0.1050E-02	82.5-112.5	0.7072E-03	30	0- 30	0.2403E-02	90-120	0.1683E-02
45-60.00	0.1969E-01	-7.5 TO 22.5	0.6934E-03	82.5-112.5	0.4003E-03	45	0- 30	0.1764E-02	90-120	0.1051E-02
60-75.00	0.2293E-01	-7.5 TO 22.5	0.3236E-03	82.5-112.5	0.1339E-03	60	0- 30	0.1004E-02	90-120	0.4801E-03
75-86.56	0.1890E-01	-7.5 TO 22.5	0.5437E-04	82.5-112.5	0.1829E-05	75	0- 30	0.3029E-03	90-120	0.2341E-04
0-15.00	0.4859E-02	-7.5 TO 37.5	0.1338E-02	82.5-127.5	0.1185E-02	0	0- 45	0.3800E-02	90-135	0.3800E-02
15-30.00	0.1425E-01	-7.5 TO 37.5	0.1281E-02	82.5-127.5	0.9748E-03	15	0- 45	0.4015E-02	90-135	0.3301E-02
30-45.00	0.2266E-01	-7.5 TO 37.5	0.1037E-02	82.5-127.5	0.6762E-03	30	0- 45	0.3550E-02	90-135	0.2437E-02
45-60.00	0.2953E-01	-7.5 TO 37.5	0.6811E-03	82.5-127.5	0.3760E-03	45	0- 45	0.2589E-02	90-135	0.1497E-02
60-75.00	0.3439E-01	-7.5 TO 37.5	0.3151E-03	82.5-127.5	0.1202E-03	60	0- 45	0.1462E-02	90-135	0.6680E-03
75-86.56	0.2835E-01	-7.5 TO 37.5	0.5070E-04	82.5-127.5	0.1266E-05	75	0- 45	0.4282E-03	90-135	0.2427E-04
0-15.00	0.6479E-02	-7.5 TO 52.5	0.1330E-02	82.5-142.5	0.1171E-02	0	0- 60	0.5066E-02	90-150	0.5066E-02
15-30.00	0.1899E-01	-7.5 TO 52.5	0.1265E-02	82.5-142.5	0.9496E-03	15	0- 60	0.5295E-02	90-150	0.4331E-02
30-45.00	0.3022E-01	-7.5 TO 52.5	0.1016E-02	82.5-142.5	0.6489E-03	30	0- 60	0.4637E-02	90-150	0.3148E-02
45-60.00	0.3938E-01	-7.5 TO 52.5	0.6629E-03	82.5-142.5	0.3549E-03	45	0- 60	0.3353E-02	90-150	0.1906E-02
60-75.00	0.4586E-01	-7.5 TO 52.5	0.3028E-03	82.5-142.5	0.1089E-03	60	0- 60	0.1873E-02	90-150	0.8330E-03
75-86.56	0.3780E-01	-7.5 TO 52.5	0.4583E-04	82.5-142.5	0.9622E-06	75	0- 60	0.5270E-03	90-150	0.2475E-04
0-15.00	0.8098E-02	-7.5 TO 67.5	0.1320E-02	82.5-157.5	0.1159E-02	0	0- 75	0.6333E-02	90-165	0.6333E-02
15-30.00	0.2374E-01	-7.5 TO 67.5	0.1243E-02	82.5-157.5	0.9279E-03	15	0- 75	0.6532E-02	90-165	0.5339E-02
30-45.00	0.3777E-01	-7.5 TO 67.5	0.9905E-03	82.5-157.5	0.6257E-03	30	0- 75	0.5655E-02	90-165	0.3831E-02
45-60.00	0.4922E-01	-7.5 TO 67.5	0.6404E-03	82.5-157.5	0.3374E-03	45	0- 75	0.4048E-02	90-165	0.2291E-02
60-75.00	0.5732E-01	-7.5 TO 67.5	0.2877E-03	82.5-157.5	0.9979E-04	60	0- 75	0.2233E-02	90-165	0.9834E-03
75-86.56	0.4725E-01	-7.5 TO 67.5	0.4047E-04	82.5-157.5	0.7760E-06	75	0- 75	0.5971E-03	90-165	0.2509E-04
0-15.00	0.9718E-02	-7.5 TO 82.5	0.1308E-02	82.5-172.5	0.1149E-02	0	0- 90	0.7599E-02	90-180	0.7599E-02
15-30.00	0.2849E-01	-7.5 TO 82.5	0.1219E-02	82.5-172.5	0.9101E-03	15	0- 90	0.7722E-02	90-180	0.6336E-02
30-45.00	0.4532E-01	-7.5 TO 82.5	0.9612E-03	82.5-172.5	0.6069E-03	30	0- 90	0.6600E-02	90-180	0.4499E-02
45-60.00	0.5907E-01	-7.5 TO 82.5	0.6151E-03	82.5-172.5	0.3233E-03	45	0- 90	0.4671E-02	90-180	0.2664E-02
60-75.00	0.6879E-01	-7.5 TO 82.5	0.2710E-03	82.5-172.5	0.9264E-04	60	0- 90	0.2540E-02	90-180	0.1127E-02
75-86.56	0.5670E-01	-7.5 TO 82.5	0.3520E-04	82.5-172.5	0.6508E-06	75	0- 90	0.6400E-03	90-180	0.2539E-04
0-15.00	0.1134E-01	-7.5 TO 97.5	0.1295E-02	82.5-187.5	0.1142E-02	0	0-105	0.8866E-02	90-195	0.8866E-02
15-30.00	0.3324E-01	-7.5 TO 97.5	0.1193E-02	82.5-187.5	0.8964E-03	15	0-105	0.8864E-02	90-195	0.7333E-02
30-45.00	0.5288E-01	-7.5 TO 97.5	0.9298E-03	82.5-187.5	0.5925E-03	30	0-105	0.7474E-02	90-195	0.5167E-02
45-60.00	0.6891E-01	-7.5 TO 97.5	0.5883E-03	82.5-187.5	0.3126E-03	45	0-105	0.5226E-02	90-195	0.3038E-02
60-75.00	0.8025E-01	-7.5 TO 97.5	0.2537E-03	82.5-187.5	0.8725E-04	60	0-105	0.2801E-02	90-195	0.1270E-02
75-86.56	0.6615E-01	-7.5 TO 97.5	0.3057E-04	82.5-187.5	0.5611E-06	75	0-105	0.6596E-03	90-195	0.2568E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

r_2/r_1 = 0.70 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5510 $\cosh \mu_2$ = 3.4986 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 73.39

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1620E-02	-7.5 TO 7.5	0.1368E-02	82.5- 97.5	0.1225E-02	0	0- 15	0.1276E-02	90-105	0.1276E-02
15-30.00	0.4749E-02	-7.5 TO 7.5	0.1339E-02	82.5- 97.5	0.1042E-02	15	0- 15	0.1386E-02	90-105	0.1150E-02
30-45.00	0.7554E-02	-7.5 TO 7.5	0.1112E-02	82.5- 97.5	0.7484E-03	30	0- 15	0.1263E-02	90-105	0.8792E-03
45-60.00	0.9645E-02	-7.5 TO 7.5	0.7495E-03	82.5- 97.5	0.4326E-03	45	0- 15	0.9498E-03	90-105	0.5590E-03
60-75.00	0.1146E-01	-7.5 TO 7.5	0.3579E-03	82.5- 97.5	0.1521E-03	60	0- 15	0.5536E-03	90-105	0.2622E-03
75-86.56	0.9451E-02	-7.5 TO 7.5	0.6482E-04	82.5- 97.5	0.2918E-05	75	0- 15	0.1752E-03	90-105	0.1981E-04
0-15.00	0.3239E-02	-7.5 TO 22.5	0.1366E-02	82.5-112.5	0.1208E-02	0	0- 30	0.2552E-02	90-120	0.2552E-02
15-30.00	0.9497E-02	-7.5 TO 22.5	0.1333E-02	82.5-112.5	0.1010E-02	15	0- 30	0.2756E-02	90-120	0.2253E-02
30-45.00	0.1511E-01	-7.5 TO 22.5	0.1104E-02	82.5-112.5	0.7121E-03	30	0- 30	0.2499E-02	90-120	0.1690E-02
45-60.00	0.1969E-01	-7.5 TO 22.5	0.7427E-03	82.5-112.5	0.4035E-03	45	0- 30	0.1870E-02	90-120	0.1055E-02
60-75.00	0.2293E-01	-7.5 TO 22.5	0.3533E-03	82.5-112.5	0.1352E-03	60	0- 30	0.1084E-02	90-120	0.4824E-03
75-86.56	0.1890E-01	-7.5 TO 22.5	0.6273E-04	82.5-112.5	0.1877E-05	75	0- 30	0.3368E-03	90-120	0.2368E-04
0-15.00	0.4859E-02	-7.5 TO 37.5	0.1360E-02	82.5-127.5	0.1192E-02	0	0- 45	0.3828E-02	90-135	0.3828E-02
15-30.00	0.1425E-01	-7.5 TO 37.5	0.1320E-02	82.5-127.5	0.9799E-03	15	0- 45	0.4097E-02	90-135	0.3316E-02
30-45.00	0.2266E-01	-7.5 TO 37.5	0.1088E-02	82.5-127.5	0.6796E-03	30	0- 45	0.3683E-02	90-135	0.2444E-02
45-60.00	0.2953E-01	-7.5 TO 37.5	0.7275E-03	82.5-127.5	0.3782E-03	45	0- 45	0.2735E-02	90-135	0.1501E-02
60-75.00	0.3439E-01	-7.5 TO 37.5	0.3430E-03	82.5-127.5	0.1211E-03	60	0- 45	0.1571E-02	90-135	0.6703E-03
75-86.56	0.2835E-01	-7.5 TO 37.5	0.5830E-04	82.5-127.5	0.1299E-05	75	0- 45	0.4740E-03	90-135	0.2454E-04
0-15.00	0.6479E-02	-7.5 TO 52.5	0.1351E-02	82.5-142.5	0.1178E-02	0	0- 60	0.5104E-02	90-150	0.5104E-02
15-30.00	0.1899E-01	-7.5 TO 52.5	0.1301E-02	82.5-142.5	0.9536E-03	15	0- 60	0.5397E-02	90-150	0.4347E-02
30-45.00	0.3022E-01	-7.5 TO 52.5	0.1063E-02	82.5-142.5	0.6515E-03	30	0- 60	0.4800E-02	90-150	0.3156E-02
45-60.00	0.3938E-01	-7.5 TO 52.5	0.7055E-03	82.5-142.5	0.3566E-03	45	0- 60	0.3529E-02	90-150	0.1911E-02
60-75.00	0.4586E-01	-7.5 TO 52.5	0.3281E-03	82.5-142.5	0.1096E-03	60	0- 60	0.2004E-02	90-150	0.8353E-03
75-86.56	0.3780E-01	-7.5 TO 52.5	0.5243E-04	82.5-142.5	0.9863E-06	75	0- 60	0.5801E-03	90-150	0.2502E-04
0-15.00	0.8098E-02	-7.5 TO 67.5	0.1340E-02	82.5-157.5	0.1165E-02	0	0- 75	0.6380E-02	90-165	0.6380E-02
15-30.00	0.2374E-01	-7.5 TO 67.5	0.1277E-02	82.5-157.5	0.9311E-03	15	0- 75	0.6649E-02	90-165	0.5356E-02
30-45.00	0.3777E-01	-7.5 TO 67.5	0.1033E-02	82.5-157.5	0.6278E-03	30	0- 75	0.5837E-02	90-165	0.3838E-02
45-60.00	0.4922E-01	-7.5 TO 67.5	0.6785E-03	82.5-157.5	0.3387E-03	45	0- 75	0.4242E-02	90-165	0.2296E-02
60-75.00	0.5732E-01	-7.5 TO 67.5	0.3101E-03	82.5-157.5	0.1003E-03	60	0- 75	0.2375E-02	90-165	0.9857E-03
75-86.56	0.4725E-01	-7.5 TO 67.5	0.4609E-04	82.5-157.5	0.7953E-06	75	0- 75	0.6539E-03	90-165	0.2536E-04
0-15.00	0.9718E-02	-7.5 TO 82.5	0.1326E-02	82.5-172.5	0.1155E-02	0	0- 90	0.7656E-02	90-180	0.7656E-02
15-30.00	0.2849E-01	-7.5 TO 82.5	0.1250E-02	82.5-172.5	0.9128E-03	15	0- 90	0.7850E-02	90-180	0.6354E-02
30-45.00	0.4532E-01	-7.5 TO 82.5	0.9991E-03	82.5-172.5	0.6086E-03	30	0- 90	0.6793E-02	90-180	0.4506E-02
45-60.00	0.5907E-01	-7.5 TO 82.5	0.6487E-03	82.5-172.5	0.3244E-03	45	0- 90	0.4874E-02	90-180	0.2669E-02
60-75.00	0.6879E-01	-7.5 TO 82.5	0.2906E-03	82.5-172.5	0.9310E-04	60	0- 90	0.2689E-02	90-180	0.1129E-02
75-86.56	0.5670E-01	-7.5 TO 82.5	0.3998E-04	82.5-172.5	0.6669E-06	75	0- 90	0.6981E-03	90-180	0.2566E-04
0-15.00	0.1134E-01	-7.5 TO 97.5	0.1312E-02	82.5-187.5	0.1147E-02	0	0-105	0.8932E-02	90-195	0.8932E-02
15-30.00	0.3324E-01	-7.5 TO 97.5	0.1220E-02	82.5-187.5	0.8987E-03	15	0-105	0.9000E-02	90-195	0.7352E-02
30-45.00	0.5288E-01	-7.5 TO 97.5	0.9633E-03	82.5-187.5	0.5940E-03	30	0-105	0.7673E-02	90-195	0.5174E-02
45-60.00	0.6891E-01	-7.5 TO 97.5	0.6178E-03	82.5-187.5	0.3135E-03	45	0-105	0.5433E-02	90-195	0.3042E-02
60-75.00	0.8025E-01	-7.5 TO 97.5	0.2708E-03	82.5-187.5	0.8764E-04	60	0-105	0.2951E-02	90-195	0.1272E-02
75-86.56	0.6615E-01	-7.5 TO 97.5	0.3468E-04	82.5-187.5	0.5749E-06	75	0-105	0.7179E-03	90-195	0.2595E-04

r_2/r_1 = 0.70 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5510 $\cosh \mu_2$ = 3.4986 $\alpha_{2,max}$ = 93.44 $\theta_{2,min}$ = 70.12

0-15.00	0.1620E-02	-7.5 TO 7.5	0.1368E-02	82.5- 97.5	0.1225E-02	0	0- 15	0.1276E-02	90-105	0.1276E-02
15-30.00	0.4749E-02	-7.5 TO 7.5	0.1339E-02	82.5- 97.5	0.1042E-02	15	0- 15	0.1386E-02	90-105	0.1150E-02
30-45.00	0.7554E-02	-7.5 TO 7.5	0.1112E-02	82.5- 97.5	0.7484E-03	30	0- 15	0.1263E-02	90-105	0.8792E-03
45-60.00	0.9645E-02	-7.5 TO 7.5	0.7498E-03	82.5- 97.5	0.4326E-03	45	0- 15	0.9498E-03	90-105	0.5590E-03
60-75.00	0.1146E-01	-7.5 TO 7.5	0.3586E-03	82.5- 97.5	0.1521E-03	60	0- 15	0.5541E-03	90-105	0.2622E-03
75-86.56	0.9451E-02	-7.5 TO 7.5	0.6510E-04	82.5- 97.5	0.2918E-05	75	0- 15	0.1757E-03	90-105	0.1981E-04
0-15.00	0.3239E-02	-7.5 TO 22.5	0.1366E-02	82.5-112.5	0.1208E-02	0	0- 30	0.2552E-02	90-120	0.2552E-02
15-30.00	0.9497E-02	-7.5 TO 22.5	0.1333E-02	82.5-112.5	0.1010E-02	15	0- 30	0.2756E-02	90-120	0.2253E-02
30-45.00	0.1511E-01	-7.5 TO 22.5	0.1104E-02	82.5-112.5	0.7121E-03	30	0- 30	0.2499E-02	90-120	0.1690E-02
45-60.00	0.1969E-01	-7.5 TO 22.5	0.7429E-03	82.5-112.5	0.4035E-03	45	0- 30	0.1870E-02	90-120	0.1055E-02
60-75.00	0.2293E-01	-7.5 TO 22.5	0.3539E-03	82.5-112.5	0.1352E-03	60	0- 30	0.1085E-02	90-120	0.4824E-03
75-86.56	0.1890E-01	-7.5 TO 22.5	0.6298E-04	82.5-112.5	0.1877E-05	75	0- 30	0.3376E-03	90-120	0.2368E-04
0-15.00	0.4859E-02	-7.5 TO 37.5	0.1360E-02	82.5-127.5	0.1192E-02	0	0- 45	0.3828E-02	90-135	0.3828E-02
15-30.00	0.1425E-01	-7.5 TO 37.5	0.1320E-02	82.5-127.5	0.9799E-03	15	0- 45	0.4097E-02	90-135	0.3316E-02
30-45.00	0.2266E-01	-7.5 TO 37.5	0.1088E-02	82.5-127.5	0.6796E-03	30	0- 45	0.3683E-02	90-135	0.2444E-02
45-60.00	0.2953E-01	-7.5 TO 37.5	0.7277E-03	82.5-127.5	0.3782E-03	45	0- 45	0.2735E-02	90-135	0.1501E-02
60-75.00	0.3439E-01	-7.5 TO 37.5	0.3434E-03	82.5-127.5	0.1211E-03	60	0- 45	0.1572E-02	90-135	0.6703E-03
75-86.56	0.2835E-01	-7.5 TO 37.5	0.5849E-04	82.5-127.5	0.1299E-05	75	0- 45	0.4748E-03	90-135	0.2454E-04
0-15.00	0.6479E-02	-7.5 TO 52.5	0.1351E-02	82.5-142.5	0.1178E-02	0	0- 60	0.5104E-02	90-150	0.5104E-02
15-30.00	0.1899E-01	-7.5 TO 52.5	0.1301E-02	82.5-142.5	0.9536E-03	15	0- 60	0.5397E-02	90-150	0.4347E-02
30-45.00	0.3022E-01	-7.5 TO 52.5	0.1063E-02	82.5-142.5	0.6515E-03	30	0- 60	0.4800E-02	90-150	0.3156E-02
45-60.00	0.3938E-01	-7.5 TO 52.5	0.7056E-03	82.5-142.5	0.3566E-03	45	0- 60	0.3529E-02	90-150	0.1911E-02
60-75.00	0.4586E-01	-7.5 TO 52.5	0.3284E-03	82.5-142.5	0.1096E-03	60	0- 60	0.2004E-02	90-150	0.8353E-03
75-86.56	0.3780E-01	-7.5 TO 52.5	0.5257E-04	82.5-142.5	0.9863E-06	75	0- 60	0.5810E-03	90-150	0.2502E-04
0-15.00	0.8098E-02	-7.5 TO 67.5	0.1340E-02	82.5-157.5	0.1165E-02	0	0- 75	0.6380E-02	90-165	0.6380E-02
15-30.00	0.2374E-01	-7.5 TO 67.5	0.1277E-02	82.5-157.5	0.9311E-03	15	0- 75	0.6649E-02	90-165	0.5356E-02
30-45.00	0.3777E-01	-7.5 TO 67.5	0.1033E-02	82.5-157.5	0.6278E-03	30	0- 75	0.5837E-02	90-165	0.3838E-02
45-60.00	0.4922E-01	-7.5 TO 67.5	0.6786E-03	82.5-157.5	0.3387E-03	45	0- 75	0.4242E-02	90-165	0.2296E-02
60-75.00	0.5732E-01	-7.5 TO 67.5	0.3104E-03	82.5-157.5	0.1003E-03	60	0- 75	0.2376E-02	90-165	0.9857E-03
75-86.56	0.4725E-01	-7.5 TO 67.5	0.4621E-04	82.5-157.5	0.7953E-06	75	0- 75	0.6547E-03	90-165	0.2536E-04
0-15.00	0.9718E-02	-7.5 TO 82.5	0.1326E-02	82.5-172.5	0.1155E-02	0	0- 90	0.7656E-02	90-180	0.7656E-02
15-30.00	0.2849E-01	-7.5 TO 82.5	0.1250E-02	82.5-172.5	0.9128E-03	15	0- 90	0.7850E-02	90-180	0.6354E-02
30-45.00	0.4532E-01	-7.5 TO 82.5	0.9991E-03	82.5-172.5	0.6086E-03	30	0- 90	0.6793E-02	90-180	0.4506E-02
45-60.00	0.5907E-01	-7.5 TO 82.5	0.6488E-03	82.5-172.5	0.3244E-03	45	0- 90	0.4874E-02	90-180	0.2669E-02
60-75.00	0.6879E-01	-7.5 TO 82.5	0.2908E-03	82.5-172.5	0.9310E-04	60	0- 90	0.2690E-02	90-180	0.1129E-02
75-86.56	0.5670E-01	-7.5 TO 82.5	0.4008E-04	82.5-172.5	0.6669E-06	75	0- 90	0.6990E-03	90-180	0.2566E-04
0-15.00	0.1134E-01	-7.5 TO 97.5	0.1312E-02	82.5-187.5	0.1147E-02	0	0-105	0.8932E-02	90-195	0.8932E-02
15-30.00	0.3324E-01	-7.5 TO 97.5	0.1220E-02	82.5-187.5	0.8987E-03	15	0-105	0.9000E-02	90-195	0.7352E-02
30-45.00	0.5288E-01	-7.5 TO 97.5	0.9633E-03	82.5-187.5	0.5940E-03	30	0-105	0.7673E-02	90-195	0.5174E-02
45-60.00	0.6891E-01	-7.5 TO 97.5	0.6179E-03	82.5-187.5	0.3135E-03	45	0-105	0.5433E-02	90-195	0.3042E-02
60-75.00	0.8025E-01	-7.5 TO 97.5	0.2710E-03	82.5-187.5	0.8764E-04	60	0-105	0.2952E-02	90-195	0.1272E-02
75-86.56	0.6615E-01	-7.5 TO 97.5	0.3477E-04	82.5-187.5	0.5749E-06	75	0-105	0.7188E-03	90-195	0.2595E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5364$ $\cosh \mu_2 = 4.9480$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 161.64$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7753E-03	-7.5 TO 7.5	0.4725E-04	82.5- 97.5	0.4667E-04	0	0- 15	0.4820E-04	90-105	0.4820E-04
15-30.00	0.2273E-02	-7.5 TO 7.5	0.4218E-04	82.5- 97.5	0.4098E-04	15	0- 15	0.4601E-04	90-105	0.4505E-04
30-45.00	0.3616E-02	-7.5 TO 7.5	0.3278E-04	82.5- 97.5	0.3128E-04	30	0- 15	0.3839E-04	90-105	0.3681E-04
45-60.00	0.4712E-02	-7.5 TO 7.5	0.2130E-04	82.5- 97.5	0.1989E-04	45	0- 15	0.2744E-04	90-105	0.2573E-04
60-75.00	0.5488E-02	-7.5 TO 7.5	0.9844E-05	82.5- 97.5	0.8777E-05	60	0- 15	0.1557E-04	90-105	0.1414E-04
75-87.54	0.4914E-02	-7.5 TO 7.5	0.1260E-05	82.5- 97.5	0.8579E-06	75	0- 15	0.4551E-05	90-105	0.3591E-05
0-15.00	0.1551E-02	-7.5 TO 22.5	0.4724E-04	82.5-112.5	0.4659E-04	0	0- 30	0.9639E-04	90-120	0.9639E-04
15-30.00	0.4546E-02	-7.5 TO 22.5	0.4216E-04	82.5-112.5	0.4083E-04	15	0- 30	0.9197E-04	90-120	0.8988E-04
30-45.00	0.7232E-02	-7.5 TO 22.5	0.3275E-04	82.5-112.5	0.3109E-04	30	0- 30	0.7668E-04	90-120	0.7326E-04
45-60.00	0.9424E-02	-7.5 TO 22.5	0.2127E-04	82.5-112.5	0.1971E-04	45	0- 30	0.5477E-04	90-120	0.5110E-04
60-75.00	0.1098E-01	-7.5 TO 22.5	0.9825E-05	82.5-112.5	0.8644E-05	60	0- 30	0.3104E-04	90-120	0.2797E-04
75-87.54	0.9827E-02	-7.5 TO 22.5	0.1253E-05	82.5-112.5	0.8188E-06	75	0- 30	0.9041E-05	90-120	0.6977E-05
0-15.00	0.2326E-02	-7.5 TO 37.5	0.4722E-04	82.5-127.5	0.4652E-04	0	0- 45	0.1446E-03	90-135	0.1446E-03
15-30.00	0.6819E-02	-7.5 TO 37.5	0.4212E-04	82.5-127.5	0.4069E-04	15	0- 45	0.1378E-03	90-135	0.1345E-03
30-45.00	0.1085E-01	-7.5 TO 37.5	0.3269E-04	82.5-127.5	0.3091E-04	30	0- 45	0.1148E-03	90-135	0.1094E-03
45-60.00	0.1414E-01	-7.5 TO 37.5	0.2122E-04	82.5-127.5	0.1954E-04	45	0- 45	0.8190E-04	90-135	0.7613E-04
60-75.00	0.1646E-01	-7.5 TO 37.5	0.9782E-05	82.5-127.5	0.8519E-05	60	0- 45	0.4635E-04	90-135	0.4154E-04
75-87.54	0.1474E-01	-7.5 TO 37.5	0.1235E-05	82.5-127.5	0.7821E-06	75	0- 45	0.1342E-04	90-135	0.1018E-04
0-15.00	0.3101E-02	-7.5 TO 52.5	0.4719E-04	82.5-142.5	0.4645E-04	0	0- 60	0.1928E-03	90-150	0.1928E-03
15-30.00	0.9092E-02	-7.5 TO 52.5	0.4204E-04	82.5-142.5	0.4055E-04	15	0- 60	0.1835E-03	90-150	0.1790E-03
30-45.00	0.1446E-01	-7.5 TO 52.5	0.3260E-04	82.5-142.5	0.3074E-04	30	0- 60	0.1526E-03	90-150	0.1453E-03
45-60.00	0.1885E-01	-7.5 TO 52.5	0.2113E-04	82.5-142.5	0.1939E-04	45	0- 60	0.1087E-03	90-150	0.1009E-03
60-75.00	0.2195E-01	-7.5 TO 52.5	0.9717E-05	82.5-142.5	0.8406E-05	60	0- 60	0.6142E-04	90-150	0.5488E-04
75-87.54	0.1965E-01	-7.5 TO 52.5	0.1209E-05	82.5-142.5	0.7487E-06	75	0- 60	0.1763E-04	90-150	0.1325E-04
0-15.00	0.3876E-02	-7.5 TO 67.5	0.4714E-04	82.5-157.5	0.4639E-04	0	0- 75	0.2410E-03	90-165	0.2410E-03
15-30.00	0.1136E-01	-7.5 TO 67.5	0.4195E-04	82.5-157.5	0.4044E-04	15	0- 75	0.2290E-03	90-165	0.2234E-03
30-45.00	0.1808E-01	-7.5 TO 67.5	0.3249E-04	82.5-157.5	0.3060E-04	30	0- 75	0.1902E-03	90-165	0.1810E-03
45-60.00	0.2356E-01	-7.5 TO 67.5	0.2102E-04	82.5-157.5	0.1926E-04	45	0- 75	0.1352E-03	90-165	0.1255E-03
60-75.00	0.2744E-01	-7.5 TO 67.5	0.9634E-05	82.5-157.5	0.8306E-05	60	0- 75	0.7620E-04	90-165	0.6807E-04
75-87.54	0.2457E-01	-7.5 TO 67.5	0.1176E-05	82.5-157.5	0.7195E-06	75	0- 75	0.2165E-04	90-165	0.1621E-04
0-15.00	0.4652E-02	-7.5 TO 82.5	0.4709E-04	82.5-172.5	0.4635E-04	0	0- 90	0.2892E-03	90-180	0.2892E-03
15-30.00	0.1364E-01	-7.5 TO 82.5	0.4184E-04	82.5-172.5	0.4034E-04	15	0- 90	0.2742E-03	90-180	0.2677E-03
30-45.00	0.2169E-01	-7.5 TO 82.5	0.3235E-04	82.5-172.5	0.3048E-04	30	0- 90	0.2273E-03	90-180	0.2167E-03
45-60.00	0.2827E-01	-7.5 TO 82.5	0.2089E-04	82.5-172.5	0.1914E-04	45	0- 90	0.1614E-03	90-180	0.1500E-03
60-75.00	0.3293E-01	-7.5 TO 82.5	0.9536E-05	82.5-172.5	0.8224E-05	60	0- 90	0.9066E-04	90-180	0.8118E-04
75-87.54	0.2948E-01	-7.5 TO 82.5	0.1137E-05	82.5-172.5	0.6954E-06	75	0- 90	0.2546E-04	90-180	0.1912E-04
0-15.00	0.5427E-02	-7.5 TO 97.5	0.4703E-04	82.5-187.5	0.4631E-04	0	0-105	0.3374E-03	90-195	0.3374E-03
15-30.00	0.1591E-01	-7.5 TO 97.5	0.4172E-04	82.5-187.5	0.4026E-04	15	0-105	0.3193E-03	90-195	0.3120E-03
30-45.00	0.2531E-01	-7.5 TO 97.5	0.3220E-04	82.5-187.5	0.3039E-04	30	0-105	0.2641E-03	90-195	0.2523E-03
45-60.00	0.3299E-01	-7.5 TO 97.5	0.2075E-04	82.5-187.5	0.1906E-04	45	0-105	0.1871E-03	90-195	0.1744E-03
60-75.00	0.3841E-01	-7.5 TO 97.5	0.9428E-05	82.5-187.5	0.8156E-05	60	0-105	0.1048E-03	90-195	0.9429E-04
75-87.54	0.3440E-01	-7.5 TO 97.5	0.1097E-05	82.5-187.5	0.6769E-06	75	0-105	0.2905E-04	90-195	0.2203E-04

$r_2/r_1 = 0.70$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5364$ $\cosh \mu_2 = 4.9480$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 143.59$

0-15.00	0.7753E-03	-7.5 TO 7.5	0.1734E-03	82.5- 97.5	0.1692E-03	0	0- 15	0.1747E-03	90-105	0.1747E-03
15-30.00	0.2273E-02	-7.5 TO 7.5	0.1574E-03	82.5- 97.5	0.1487E-03	15	0- 15	0.1699E-03	90-105	0.1629E-03
30-45.00	0.3616E-02	-7.5 TO 7.5	0.1245E-03	82.5- 97.5	0.1136E-03	30	0- 15	0.1444E-03	90-105	0.1330E-03
45-60.00	0.4712E-02	-7.5 TO 7.5	0.8268E-04	82.5- 97.5	0.7237E-04	45	0- 15	0.1053E-03	90-105	0.9288E-04
60-75.00	0.5488E-02	-7.5 TO 7.5	0.3985E-04	82.5- 97.5	0.3205E-04	60	0- 15	0.6136E-04	90-105	0.5098E-04
75-87.54	0.4914E-02	-7.5 TO 7.5	0.6228E-05	82.5- 97.5	0.3177E-05	75	0- 15	0.1980E-04	90-105	0.1282E-04
0-15.00	0.1551E-02	-7.5 TO 22.5	0.1733E-03	82.5-112.5	0.1686E-03	0	0- 30	0.3494E-03	90-120	0.3494E-03
15-30.00	0.4546E-02	-7.5 TO 22.5	0.1572E-03	82.5-112.5	0.1476E-03	15	0- 30	0.3394E-03	90-120	0.3244E-03
30-45.00	0.7232E-02	-7.5 TO 22.5	0.1243E-03	82.5-112.5	0.1123E-03	30	0- 30	0.2881E-03	90-120	0.2634E-03
45-60.00	0.9424E-02	-7.5 TO 22.5	0.8250E-04	82.5-112.5	0.7112E-04	45	0- 30	0.2097E-03	90-120	0.1831E-03
60-75.00	0.1098E-01	-7.5 TO 22.5	0.3970E-04	82.5-112.5	0.3112E-04	60	0- 30	0.1221E-03	90-120	0.9980E-04
75-87.54	0.9827E-02	-7.5 TO 22.5	0.6170E-05	82.5-112.5	0.2902E-05	75	0- 30	0.3915E-04	90-120	0.2424E-04
0-15.00	0.2326E-02	-7.5 TO 37.5	0.1732E-03	82.5-127.5	0.1681E-03	0	0- 45	0.5241E-03	90-135	0.5241E-03
15-30.00	0.6819E-02	-7.5 TO 37.5	0.1569E-03	82.5-127.5	0.1466E-03	15	0- 45	0.5081E-03	90-135	0.4844E-03
30-45.00	0.1085E-01	-7.5 TO 37.5	0.1239E-03	82.5-127.5	0.1110E-03	30	0- 45	0.4305E-03	90-135	0.3918E-03
45-60.00	0.1414E-01	-7.5 TO 37.5	0.8208E-04	82.5-127.5	0.6994E-04	45	0- 45	0.3127E-03	90-135	0.2711E-03
60-75.00	0.1646E-01	-7.5 TO 37.5	0.3938E-04	82.5-127.5	0.3025E-04	60	0- 45	0.1815E-03	90-135	0.1467E-03
75-87.54	0.1474E-01	-7.5 TO 37.5	0.6039E-05	82.5-127.5	0.2650E-05	75	0- 45	0.5764E-04	90-135	0.3444E-04
0-15.00	0.3101E-02	-7.5 TO 52.5	0.1729E-03	82.5-142.5	0.1677E-03	0	0- 60	0.6988E-03	90-150	0.6988E-03
15-30.00	0.9092E-02	-7.5 TO 52.5	0.1563E-03	82.5-142.5	0.1456E-03	15	0- 60	0.6756E-03	90-150	0.6434E-03
30-45.00	0.1446E-01	-7.5 TO 52.5	0.1232E-03	82.5-142.5	0.1098E-03	30	0- 60	0.5709E-03	90-150	0.5183E-03
45-60.00	0.1885E-01	-7.5 TO 52.5	0.8145E-04	82.5-142.5	0.6888E-04	45	0- 60	0.4136E-03	90-150	0.3572E-03
60-75.00	0.2195E-01	-7.5 TO 52.5	0.3890E-04	82.5-142.5	0.2947E-04	60	0- 60	0.2391E-03	90-150	0.1922E-03
75-87.54	0.1965E-01	-7.5 TO 52.5	0.5843E-05	82.5-142.5	0.2423E-05	75	0- 60	0.7493E-04	90-150	0.4369E-04
0-15.00	0.3876E-02	-7.5 TO 67.5	0.1726E-03	82.5-157.5	0.1673E-03	0	0- 75	0.8735E-03	90-165	0.8735E-03
15-30.00	0.1136E-01	-7.5 TO 67.5	0.1557E-03	82.5-157.5	0.1448E-03	15	0- 75	0.8417E-03	90-165	0.8015E-03
30-45.00	0.1808E-01	-7.5 TO 67.5	0.1224E-03	82.5-157.5	0.1088E-03	30	0- 75	0.7090E-03	90-165	0.6436E-03
45-60.00	0.2356E-01	-7.5 TO 67.5	0.8064E-04	82.5-157.5	0.6795E-04	45	0- 75	0.5120E-03	90-165	0.4421E-03
60-75.00	0.2744E-01	-7.5 TO 67.5	0.3829E-04	82.5-157.5	0.2879E-04	60	0- 75	0.2947E-03	90-165	0.2366E-03
75-87.54	0.2457E-01	-7.5 TO 67.5	0.5593E-05	82.5-157.5	0.2228E-05	75	0- 75	0.9080E-04	90-165	0.5227E-04
0-15.00	0.4652E-02	-7.5 TO 82.5	0.1722E-03	82.5-172.5	0.1669E-03	0	0- 90	0.1048E-02	90-180	0.1048E-02
15-30.00	0.1364E-01	-7.5 TO 82.5	0.1549E-03	82.5-172.5	0.1441E-03	15	0- 90	0.1006E-02	90-180	0.9593E-03
30-45.00	0.2169E-01	-7.5 TO 82.5	0.1214E-03	82.5-172.5	0.1080E-03	30	0- 90	0.8445E-03	90-180	0.7683E-03
45-60.00	0.2827E-01	-7.5 TO 82.5	0.7969E-04	82.5-172.5	0.6718E-04	45	0- 90	0.6077E-03	90-180	0.5262E-03
60-75.00	0.3293E-01	-7.5 TO 82.5	0.3757E-04	82.5-172.5	0.2823E-04	60	0- 90	0.3480E-03	90-180	0.2805E-03
75-87.54	0.2948E-01	-7.5 TO 82.5	0.5303E-05	82.5-172.5	0.2068E-05	75	0- 90	0.1051E-03	90-180	0.6052E-04
0-15.00	0.5427E-02	-7.5 TO 97.5	0.1718E-03	82.5-187.5	0.1666E-03	0	0-105	0.1223E-02	90-195	0.1223E-02
15-30.00	0.1591E-01	-7.5 TO 97.5	0.1540E-03	82.5-187.5	0.1436E-03	15	0-105	0.1169E-02	90-195	0.1117E-02
30-45.00	0.2531E-01	-7.5 TO 97.5	0.1203E-03	82.5-187.5	0.1073E-03	30	0-105	0.9775E-03	90-195	0.8929E-03
45-60.00	0.3299E-01	-7.5 TO 97.5	0.7864E-04	82.5-187.5	0.6659E-04	45	0-105	0.7005E-03	90-195	0.6104E-03
60-75.00	0.3841E-01	-7.5 TO 97.5	0.3678E-04	82.5-187.5	0.2780E-04	60	0-105	0.3990E-03	90-195	0.3244E-03
75-87.54	0.3440E-01	-7.5 TO 97.5	0.4999E-05	82.5-187.5	0.1946E-05	75	0-105	0.1180E-03	90-195	0.6877E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5364$ $\cosh \mu_2 = 4.9480$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 126.10$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7753E-03	-7.5 TO 7.5	0.3356E-03	82.5- 97.5	0.3237E-03	0	0- 15	0.3341E-03	90-105	0.3341E-03
15-30.00	0.2273E-02	-7.5 TO 7.5	0.3094E-03	82.5- 97.5	0.2847E-03	15	0- 15	0.3308E-03	90-105	0.3111E-03
30-45.00	0.3616E-02	-7.5 TO 7.5	0.2492E-03	82.5- 97.5	0.2180E-03	30	0- 15	0.2863E-03	90-105	0.2536E-03
45-60.00	0.4712E-02	-7.5 TO 7.5	0.1687E-03	82.5- 97.5	0.1392E-03	45	0- 15	0.2125E-03	90-105	0.1772E-03
60-75.00	0.5488E-02	-7.5 TO 7.5	0.8419E-04	82.5- 97.5	0.6194E-04	60	0- 15	0.1269E-03	90-105	0.9728E-04
75-87.54	0.4914E-02	-7.5 TO 7.5	0.1542E-04	82.5- 97.5	0.6270E-05	75	0- 15	0.4411E-04	90-105	0.2440E-04
0-15.00	0.1551E-02	-7.5 TO 22.5	0.3354E-03	82.5-112.5	0.3222E-03	0	0- 30	0.6683E-03	90-120	0.6683E-03
15-30.00	0.4546E-02	-7.5 TO 22.5	0.3090E-03	82.5-112.5	0.2817E-03	15	0- 30	0.6604E-03	90-120	0.6179E-03
30-45.00	0.7232E-02	-7.5 TO 22.5	0.2486E-03	82.5-112.5	0.2142E-03	30	0- 30	0.5705E-03	90-120	0.5004E-03
45-60.00	0.9424E-02	-7.5 TO 22.5	0.1682E-03	82.5-112.5	0.1357E-03	45	0- 30	0.4228E-03	90-120	0.3471E-03
60-75.00	0.1098E-01	-7.5 TO 22.5	0.8377E-04	82.5-112.5	0.5939E-04	60	0- 30	0.2518E-03	90-120	0.1886E-03
75-87.54	0.9827E-02	-7.5 TO 22.5	0.1521E-04	82.5-112.5	0.5522E-05	75	0- 30	0.8688E-04	90-120	0.4504E-04
0-15.00	0.2326E-02	-7.5 TO 37.5	0.3350E-03	82.5-127.5	0.3207E-03	0	0- 45	0.1002E-02	90-135	0.1002E-02
15-30.00	0.6819E-02	-7.5 TO 37.5	0.3080E-03	82.5-127.5	0.2788E-03	15	0- 45	0.9877E-03	90-135	0.9209E-03
30-45.00	0.1085E-01	-7.5 TO 37.5	0.2474E-03	82.5-127.5	0.2106E-03	30	0- 45	0.8507E-03	90-135	0.7410E-03
45-60.00	0.1414E-01	-7.5 TO 37.5	0.1670E-03	82.5-127.5	0.1325E-03	45	0- 45	0.6287E-03	90-135	0.5107E-03
60-75.00	0.1646E-01	-7.5 TO 37.5	0.8284E-04	82.5-127.5	0.5704E-04	60	0- 45	0.3731E-03	90-135	0.2749E-03
75-87.54	0.1474E-01	-7.5 TO 37.5	0.1474E-04	82.5-127.5	0.4850E-05	75	0- 45	0.1271E-03	90-135	0.6250E-04
0-15.00	0.3101E-02	-7.5 TO 52.5	0.3342E-03	82.5-142.5	0.3194E-03	0	0- 60	0.1337E-02	90-150	0.1337E-02
15-30.00	0.9092E-02	-7.5 TO 52.5	0.3065E-03	82.5-142.5	0.2761E-03	15	0- 60	0.1312E-02	90-150	0.1221E-02
30-45.00	0.1446E-01	-7.5 TO 52.5	0.2455E-03	82.5-142.5	0.2074E-03	30	0- 60	0.1126E-02	90-150	0.9768E-03
45-60.00	0.1885E-01	-7.5 TO 52.5	0.1652E-03	82.5-142.5	0.1296E-03	45	0- 60	0.8286E-03	90-150	0.6692E-03
60-75.00	0.2195E-01	-7.5 TO 52.5	0.8144E-04	82.5-142.5	0.5494E-04	60	0- 60	0.4893E-03	90-150	0.3572E-03
75-87.54	0.1965E-01	-7.5 TO 52.5	0.1410E-04	82.5-142.5	0.4262E-05	75	0- 60	0.1640E-03	90-150	0.7750E-04
0-15.00	0.3876E-02	-7.5 TO 67.5	0.3333E-03	82.5-157.5	0.3182E-03	0	0- 75	0.1671E-02	90-165	0.1671E-02
15-30.00	0.1136E-01	-7.5 TO 67.5	0.3046E-03	82.5-157.5	0.2738E-03	15	0- 75	0.1632E-02	90-165	0.1518E-02
30-45.00	0.1808E-01	-7.5 TO 67.5	0.2430E-03	82.5-157.5	0.2046E-03	30	0- 75	0.1394E-02	90-165	0.1209E-02
45-60.00	0.2356E-01	-7.5 TO 67.5	0.1628E-03	82.5-157.5	0.1270E-03	45	0- 75	0.1021E-02	90-165	0.8243E-03
60-75.00	0.2744E-01	-7.5 TO 67.5	0.7966E-04	82.5-157.5	0.5313E-04	60	0- 75	0.5994E-03	90-165	0.4367E-03
75-87.54	0.2457E-01	-7.5 TO 67.5	0.1334E-04	82.5-157.5	0.3787E-05	75	0- 75	0.1968E-03	90-165	0.9083E-04
0-15.00	0.4652E-02	-7.5 TO 82.5	0.3322E-03	82.5-172.5	0.3173E-03	0	0- 90	0.2005E-02	90-180	0.2005E-02
15-30.00	0.1364E-01	-7.5 TO 82.5	0.3023E-03	82.5-172.5	0.2719E-03	15	0- 90	0.1947E-02	90-180	0.1815E-02
30-45.00	0.2169E-01	-7.5 TO 82.5	0.2401E-03	82.5-172.5	0.2023E-03	30	0- 90	0.1655E-02	90-180	0.1440E-02
45-60.00	0.2827E-01	-7.5 TO 82.5	0.1601E-03	82.5-172.5	0.1249E-03	45	0- 90	0.1206E-02	90-180	0.9775E-03
60-75.00	0.3293E-01	-7.5 TO 82.5	0.7760E-04	82.5-172.5	0.5165E-04	60	0- 90	0.7031E-03	90-180	0.5149E-03
75-87.54	0.2948E-01	-7.5 TO 82.5	0.1248E-04	82.5-172.5	0.3426E-05	75	0- 90	0.2253E-03	90-180	0.1033E-03
0-15.00	0.5427E-02	-7.5 TO 97.5	0.3310E-03	82.5-187.5	0.3165E-03	0	0-105	0.2339E-02	90-195	0.2339E-02
15-30.00	0.1591E-01	-7.5 TO 97.5	0.2998E-03	82.5-187.5	0.2705E-03	15	0-105	0.2258E-02	90-195	0.2112E-02
30-45.00	0.2531E-01	-7.5 TO 97.5	0.2370E-03	82.5-187.5	0.2006E-03	30	0-105	0.1908E-02	90-195	0.1670E-02
45-60.00	0.3299E-01	-7.5 TO 97.5	0.1571E-03	82.5-187.5	0.1233E-03	45	0-105	0.1384E-02	90-195	0.1131E-02
60-75.00	0.3841E-01	-7.5 TO 97.5	0.7536E-04	82.5-187.5	0.5051E-04	60	0-105	0.8004E-03	90-195	0.5930E-03
75-87.54	0.3440E-01	-7.5 TO 97.5	0.1160E-04	82.5-187.5	0.3157E-05	75	0-105	0.2497E-03	90-195	0.1158E-03

$r_2/r_1 = 0.70$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5364$ $\cosh \mu_2 = 4.9480$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 109.35$

0-15.00	0.7753E-03	-7.5 TO 7.5	0.4819E-03	82.5- 97.5	0.4595E-03	0	0- 15	0.4742E-03	90-105	0.4742E-03
15-30.00	0.2273E-02	-7.5 TO 7.5	0.4511E-03	82.5- 97.5	0.4046E-03	15	0- 15	0.4778E-03	90-105	0.4408E-03
30-45.00	0.3616E-02	-7.5 TO 7.5	0.3693E-03	82.5- 97.5	0.3104E-03	30	0- 15	0.4206E-03	90-105	0.3592E-03
45-60.00	0.4712E-02	-7.5 TO 7.5	0.2545E-03	82.5- 97.5	0.1989E-03	45	0- 15	0.3176E-03	90-105	0.2510E-03
60-75.00	0.5488E-02	-7.5 TO 7.5	0.1304E-03	82.5- 97.5	0.8894E-04	60	0- 15	0.1934E-03	90-105	0.1380E-03
75-87.54	0.4914E-02	-7.5 TO 7.5	0.2701E-04	82.5- 97.5	0.9175E-05	75	0- 15	0.7082E-04	90-105	0.3469E-04
0-15.00	0.1551E-02	-7.5 TO 22.5	0.4816E-03	82.5-112.5	0.4566E-03	0	0- 30	0.9484E-03	90-120	0.9484E-03
15-30.00	0.4546E-02	-7.5 TO 22.5	0.4503E-03	82.5-112.5	0.3989E-03	15	0- 30	0.9532E-03	90-120	0.8735E-03
30-45.00	0.7232E-02	-7.5 TO 22.5	0.3683E-03	82.5-112.5	0.3034E-03	30	0- 30	0.8372E-03	90-120	0.7055E-03
45-60.00	0.9424E-02	-7.5 TO 22.5	0.2534E-03	82.5-112.5	0.1925E-03	45	0- 30	0.6308E-03	90-120	0.4887E-03
60-75.00	0.1098E-01	-7.5 TO 22.5	0.1296E-03	82.5-112.5	0.8438E-04	60	0- 30	0.3831E-03	90-120	0.2653E-03
75-87.54	0.9827E-02	-7.5 TO 22.5	0.2658E-04	82.5-112.5	0.7879E-05	75	0- 30	0.1391E-03	90-120	0.6286E-04
0-15.00	0.2326E-02	-7.5 TO 37.5	0.4807E-03	82.5-127.5	0.4540E-03	0	0- 45	0.1423E-02	90-135	0.1423E-02
15-30.00	0.6819E-02	-7.5 TO 37.5	0.4484E-03	82.5-127.5	0.3936E-03	15	0- 45	0.1424E-02	90-135	0.1299E-02
30-45.00	0.1085E-01	-7.5 TO 37.5	0.3658E-03	82.5-127.5	0.2969E-03	30	0- 45	0.1266E-02	90-135	0.1041E-02
45-60.00	0.1414E-01	-7.5 TO 37.5	0.2511E-03	82.5-127.5	0.1866E-03	45	0- 45	0.9357E-03	90-135	0.7168E-03
60-75.00	0.1646E-01	-7.5 TO 37.5	0.1278E-03	82.5-127.5	0.8021E-04	60	0- 45	0.5658E-03	90-135	0.3836E-03
75-87.54	0.1474E-01	-7.5 TO 37.5	0.2562E-04	82.5-127.5	0.6734E-05	75	0- 45	0.2027E-03	90-135	0.8566E-04
0-15.00	0.3101E-02	-7.5 TO 52.5	0.4793E-03	82.5-142.5	0.4515E-03	0	0- 60	0.1897E-02	90-150	0.1897E-02
15-30.00	0.9092E-02	-7.5 TO 52.5	0.4456E-03	82.5-142.5	0.3887E-03	15	0- 60	0.1889E-02	90-150	0.1719E-02
30-45.00	0.1446E-01	-7.5 TO 52.5	0.3622E-03	82.5-142.5	0.2910E-03	30	0- 60	0.1645E-02	90-150	0.1367E-02
45-60.00	0.1885E-01	-7.5 TO 52.5	0.2476E-03	82.5-142.5	0.1813E-03	45	0- 60	0.1229E-02	90-150	0.9318E-03
60-75.00	0.2195E-01	-7.5 TO 52.5	0.1252E-03	82.5-142.5	0.7652E-04	60	0- 60	0.7388E-03	90-150	0.4948E-03
75-87.54	0.1965E-01	-7.5 TO 52.5	0.2427E-04	82.5-142.5	0.5774E-05	75	0- 60	0.2598E-03	90-150	0.1044E-03
0-15.00	0.3876E-02	-7.5 TO 67.5	0.4776E-03	82.5-157.5	0.4493E-03	0	0- 75	0.2371E-02	90-165	0.2371E-02
15-30.00	0.1136E-01	-7.5 TO 67.5	0.4419E-03	82.5-157.5	0.3844E-03	15	0- 75	0.2347E-02	90-165	0.2135E-02
30-45.00	0.1808E-01	-7.5 TO 67.5	0.3575E-03	82.5-157.5	0.2859E-03	30	0- 75	0.2032E-02	90-165	0.1687E-02
45-60.00	0.2356E-01	-7.5 TO 67.5	0.2432E-03	82.5-157.5	0.1767E-03	45	0- 75	0.1509E-02	90-165	0.1143E-02
60-75.00	0.2744E-01	-7.5 TO 67.5	0.1218E-03	82.5-157.5	0.7338E-04	60	0- 75	0.9005E-03	90-165	0.6013E-03
75-87.54	0.2457E-01	-7.5 TO 67.5	0.2271E-04	82.5-157.5	0.5047E-05	75	0- 75	0.3095E-03	90-165	0.1204E-03
0-15.00	0.4652E-02	-7.5 TO 82.5	0.4755E-03	82.5-172.5	0.4476E-03	0	0- 90	0.2845E-02	90-180	0.2845E-02
15-30.00	0.1364E-01	-7.5 TO 82.5	0.4377E-03	82.5-172.5	0.3809E-03	15	0- 90	0.2796E-02	90-180	0.2549E-02
30-45.00	0.2169E-01	-7.5 TO 82.5	0.3521E-03	82.5-172.5	0.2816E-03	30	0- 90	0.2404E-02	90-180	0.2004E-02
45-60.00	0.2827E-01	-7.5 TO 82.5	0.2380E-03	82.5-172.5	0.1730E-03	45	0- 90	0.1775E-02	90-180	0.1350E-02
60-75.00	0.3293E-01	-7.5 TO 82.5	0.1180E-03	82.5-172.5	0.7081E-04	60	0- 90	0.1050E-02	90-180	0.7053E-03
75-87.54	0.2948E-01	-7.5 TO 82.5	0.2105E-04	82.5-172.5	0.4507E-05	75	0- 90	0.3515E-03	90-180	0.1351E-03
0-15.00	0.5427E-02	-7.5 TO 97.5	0.4732E-03	82.5-187.5	0.4462E-03	0	0-105	0.3320E-02	90-195	0.3320E-02
15-30.00	0.1591E-01	-7.5 TO 97.5	0.4329E-03	82.5-187.5	0.3782E-03	15	0-105	0.3237E-02	90-195	0.2963E-02
30-45.00	0.2531E-01	-7.5 TO 97.5	0.3461E-03	82.5-187.5	0.2784E-03	30	0-105	0.2764E-02	90-195	0.2320E-02
45-60.00	0.3299E-01	-7.5 TO 97.5	0.2324E-03	82.5-187.5	0.1701E-03	45	0-105	0.2026E-02	90-195	0.1558E-02
60-75.00	0.3841E-01	-7.5 TO 97.5	0.1138E-03	82.5-187.5	0.6885E-04	60	0-105	0.1188E-02	90-195	0.8093E-03
75-87.54	0.3440E-01	-7.5 TO 97.5	0.1935E-04	82.5-187.5	0.4108E-05	75	0-105	0.3862E-03	90-195	0.1498E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5364$ $\cosh \mu_2 = 4.9480$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 93.43$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7753E-03	-7.5 TO 7.5	0.5711E-02	82.5- 97.5	0.5380E-03	0	0- 15	0.5551E-03	90-105	0.5551E-03
15-30.00	0.2273E-02	-7.5 TO 7.5	0.5429E-03	82.5- 97.5	0.4743E-03	15	0- 15	0.5695E-03	90-105	0.5150E-03
30-45.00	0.3616E-02	-7.5 TO 7.5	0.4515E-03	82.5- 97.5	0.3645E-03	30	0- 15	0.5100E-03	90-105	0.4193E-03
45-60.00	0.4712E-02	-7.5 TO 7.5	0.3158E-03	82.5- 97.5	0.2342E-03	45	0- 15	0.3911E-03	90-105	0.2932E-03
60-75.00	0.5488E-02	-7.5 TO 7.5	0.1650E-03	82.5- 97.5	0.1052E-03	60	0- 15	0.2421E-03	90-105	0.1614E-03
75-87.54	0.4914E-02	-7.5 TO 7.5	0.3673E-04	82.5- 97.5	0.1104E-04	75	0- 15	0.9157E-04	90-105	0.4074E-04
0-15.00	0.1551E-02	-7.5 TO 22.5	0.5705E-03	82.5-112.5	0.5338E-03	0	0- 30	0.1110E-02	90-120	0.1110E-02
15-30.00	0.4546E-02	-7.5 TO 22.5	0.5417E-03	82.5-112.5	0.4659E-03	15	0- 30	0.1136E-02	90-120	0.1018E-02
30-45.00	0.7232E-02	-7.5 TO 22.5	0.4499E-03	82.5-112.5	0.3543E-03	30	0- 30	0.1014E-02	90-120	0.8200E-03
45-60.00	0.9424E-02	-7.5 TO 22.5	0.3143E-03	82.5-112.5	0.2250E-03	45	0- 30	0.7757E-03	90-120	0.5672E-03
60-75.00	0.1098E-01	-7.5 TO 22.5	0.1638E-03	82.5-112.5	0.9889E-04	60	0- 30	0.4786E-03	90-120	0.3079E-03
75-87.54	0.9827E-02	-7.5 TO 22.5	0.3609E-04	82.5-112.5	0.9323E-05	75	0- 30	0.1795E-03	90-120	0.7290E-04
0-15.00	0.2326E-02	-7.5 TO 37.5	0.5692E-03	82.5-127.5	0.5294E-03	0	0- 45	0.1665E-02	90-135	0.1665E-02
15-30.00	0.6819E-02	-7.5 TO 37.5	0.5389E-03	82.5-127.5	0.4581E-03	15	0- 45	0.1695E-02	90-135	0.1511E-02
30-45.00	0.1085E-01	-7.5 TO 37.5	0.4463E-03	82.5-127.5	0.3449E-03	30	0- 45	0.1507E-02	90-135	0.1204E-02
45-60.00	0.1414E-01	-7.5 TO 37.5	0.3108E-03	82.5-127.5	0.2166E-03	45	0- 45	0.1148E-02	90-135	0.8246E-03
60-75.00	0.1646E-01	-7.5 TO 37.5	0.1612E-03	82.5-127.5	0.9319E-04	60	0- 45	0.7047E-03	90-135	0.4418E-03
75-87.54	0.1474E-01	-7.5 TO 37.5	0.3468E-04	82.5-127.5	0.7846E-05	75	0- 45	0.2605E-03	90-135	0.9818E-04
0-15.00	0.3101E-02	-7.5 TO 52.5	0.5672E-03	82.5-142.5	0.5263E-03	0	0- 60	0.2220E-02	90-150	0.2220E-02
15-30.00	0.9092E-02	-7.5 TO 52.5	0.5347E-03	82.5-142.5	0.4510E-03	15	0- 60	0.2246E-02	90-150	0.1996E-02
30-45.00	0.1446E-01	-7.5 TO 52.5	0.4409E-03	82.5-142.5	0.3364E-03	30	0- 60	0.1985E-02	90-150	0.1576E-02
45-60.00	0.1885E-01	-7.5 TO 52.5	0.3056E-03	82.5-142.5	0.2091E-03	45	0- 60	0.1503E-02	90-150	0.1069E-02
60-75.00	0.2195E-01	-7.5 TO 52.5	0.1573E-03	82.5-142.5	0.8820E-04	60	0- 60	0.9166E-03	90-150	0.5660E-03
75-87.54	0.1965E-01	-7.5 TO 52.5	0.3268E-04	82.5-142.5	0.6648E-05	75	0- 60	0.3323E-03	90-150	0.1184E-03
0-15.00	0.3876E-02	-7.5 TO 67.5	0.5646E-03	82.5-157.5	0.5231E-03	0	0- 75	0.2776E-02	90-165	0.2776E-02
15-30.00	0.1136E-01	-7.5 TO 67.5	0.5293E-03	82.5-157.5	0.4448E-03	15	0- 75	0.2785E-02	90-165	0.2474E-02
30-45.00	0.1808E-01	-7.5 TO 67.5	0.4340E-03	82.5-157.5	0.3290E-03	30	0- 75	0.2444E-02	90-165	0.1938E-02
45-60.00	0.2356E-01	-7.5 TO 67.5	0.2990E-03	82.5-157.5	0.2027E-03	45	0- 75	0.1839E-02	90-165	0.1305E-02
60-75.00	0.2744E-01	-7.5 TO 67.5	0.1524E-03	82.5-157.5	0.8398E-04	60	0- 75	0.1112E-02	90-165	0.6837E-03
75-87.54	0.2457E-01	-7.5 TO 67.5	0.3036E-04	82.5-157.5	0.5765E-05	75	0- 75	0.3936E-03	90-165	0.1353E-03
0-15.00	0.4652E-02	-7.5 TO 82.5	0.5616E-03	82.5-172.5	0.5205E-03	0	0- 90	0.3331E-02	90-180	0.3331E-02
15-30.00	0.1364E-01	-7.5 TO 82.5	0.5230E-03	82.5-172.5	0.4397E-03	15	0- 90	0.3313E-02	90-180	0.2950E-02
30-45.00	0.2169E-01	-7.5 TO 82.5	0.4259E-03	82.5-172.5	0.3230E-03	30	0- 90	0.2883E-02	90-180	0.2296E-02
45-60.00	0.2827E-01	-7.5 TO 82.5	0.2915E-03	82.5-172.5	0.1975E-03	45	0- 90	0.2153E-02	90-180	0.1536E-02
60-75.00	0.3293E-01	-7.5 TO 82.5	0.1468E-03	82.5-172.5	0.8056E-04	60	0- 90	0.1290E-02	90-180	0.7982E-03
75-87.54	0.2948E-01	-7.5 TO 82.5	0.2794E-04	82.5-172.5	0.5116E-05	75	0- 90	0.4443E-03	90-180	0.1506E-03
0-15.00	0.5427E-02	-7.5 TO 97.5	0.5582E-03	82.5-187.5	0.5185E-03	0	0-105	0.3886E-02	90-195	0.3886E-02
15-30.00	0.1591E-01	-7.5 TO 97.5	0.5160E-03	82.5-187.5	0.4358E-03	15	0-105	0.3828E-02	90-195	0.3425E-02
30-45.00	0.2531E-01	-7.5 TO 97.5	0.4172E-03	82.5-187.5	0.3183E-03	30	0-105	0.3303E-02	90-195	0.2654E-02
45-60.00	0.3299E-01	-7.5 TO 97.5	0.2833E-03	82.5-187.5	0.1934E-03	45	0-105	0.2446E-02	90-195	0.1767E-02
60-75.00	0.3841E-01	-7.5 TO 97.5	0.1409E-03	82.5-187.5	0.7795E-04	60	0-105	0.1452E-02	90-195	0.9126E-03
75-87.54	0.3440E-01	-7.5 TO 97.5	0.2553E-04	82.5-187.5	0.4636E-05	75	0-105	0.4851E-03	90-195	0.1660E-03

$r_2/r_1 = 0.70$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5364$ $\cosh \mu_2 = 4.9480$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 78.34$

0-15.00	0.7753E-03	-7.5 TO 7.5	0.5885E-03	82.5- 97.5	0.5497E-03	0	0- 15	0.5671E-03	90-105	0.5671E-03
15-30.00	0.2273E-02	-7.5 TO 7.5	0.5664E-03	82.5- 97.5	0.4848E-03	15	0- 15	0.5895E-03	90-105	0.5255E-03
30-45.00	0.3616E-02	-7.5 TO 7.5	0.4777E-03	82.5- 97.5	0.3730E-03	30	0- 15	0.5355E-03	90-105	0.4276E-03
45-60.00	0.4712E-02	-7.5 TO 7.5	0.3386E-03	82.5- 97.5	0.2399E-03	45	0- 15	0.4166E-03	90-105	0.2990E-03
60-75.00	0.5488E-02	-7.5 TO 7.5	0.1790E-03	82.5- 97.5	0.1080E-03	60	0- 15	0.2611E-03	90-105	0.1647E-03
75-87.54	0.4914E-02	-7.5 TO 7.5	0.4102E-04	82.5- 97.5	0.1139E-04	75	0- 15	0.1003E-03	90-105	0.4163E-04
0-15.00	0.1551E-02	-7.5 TO 22.5	0.5878E-03	82.5-112.5	0.5449E-03	0	0- 30	0.1134E-02	90-120	0.1134E-02
15-30.00	0.4546E-02	-7.5 TO 22.5	0.5649E-03	82.5-112.5	0.4753E-03	15	0- 30	0.1175E-02	90-120	0.1038E-02
30-45.00	0.7232E-02	-7.5 TO 22.5	0.4757E-03	82.5-112.5	0.3614E-03	30	0- 30	0.1064E-02	90-120	0.8341E-03
45-60.00	0.9424E-02	-7.5 TO 22.5	0.3366E-03	82.5-112.5	0.2296E-03	45	0- 30	0.8250E-03	90-120	0.5764E-03
60-75.00	0.1098E-01	-7.5 TO 22.5	0.1776E-03	82.5-112.5	0.1010E-03	60	0- 30	0.5152E-03	90-120	0.3129E-03
75-87.54	0.9827E-02	-7.5 TO 22.5	0.4026E-04	82.5-112.5	0.9563E-05	75	0- 30	0.1962E-03	90-120	0.7416E-04
0-15.00	0.2326E-02	-7.5 TO 37.5	0.5862E-03	82.5-127.5	0.5404E-03	0	0- 45	0.1701E-02	90-135	0.1701E-02
15-30.00	0.6819E-02	-7.5 TO 37.5	0.5615E-03	82.5-127.5	0.4664E-03	15	0- 45	0.1753E-02	90-135	0.1538E-02
30-45.00	0.1085E-01	-7.5 TO 37.5	0.4712E-03	82.5-127.5	0.3508E-03	30	0- 45	0.1579E-02	90-135	0.1223E-02
45-60.00	0.1414E-01	-7.5 TO 37.5	0.3322E-03	82.5-127.5	0.2203E-03	45	0- 45	0.1218E-02	90-135	0.8358E-03
60-75.00	0.1646E-01	-7.5 TO 37.5	0.1743E-03	82.5-127.5	0.9484E-04	60	0- 45	0.7563E-03	90-135	0.4476E-03
75-87.54	0.1474E-01	-7.5 TO 37.5	0.3858E-04	82.5-127.5	0.8017E-05	75	0- 45	0.2838E-03	90-135	0.9956E-04
0-15.00	0.3101E-02	-7.5 TO 52.5	0.5839E-03	82.5-142.5	0.5363E-03	0	0- 60	0.2269E-02	90-150	0.2269E-02
15-30.00	0.9092E-02	-7.5 TO 52.5	0.5564E-03	82.5-142.5	0.4585E-03	15	0- 60	0.2319E-02	90-150	0.2029E-02
30-45.00	0.1446E-01	-7.5 TO 52.5	0.4645E-03	82.5-142.5	0.3414E-03	30	0- 60	0.2075E-02	90-150	0.1597E-02
45-60.00	0.1885E-01	-7.5 TO 52.5	0.3258E-03	82.5-142.5	0.2121E-03	45	0- 60	0.1590E-02	90-150	0.1081E-02
60-75.00	0.2195E-01	-7.5 TO 52.5	0.1695E-03	82.5-142.5	0.8951E-04	60	0- 60	0.9800E-03	90-150	0.5721E-03
75-87.54	0.1965E-01	-7.5 TO 52.5	0.3620E-04	82.5-142.5	0.6778E-05	75	0- 60	0.3604E-03	90-150	0.1198E-03
0-15.00	0.3876E-02	-7.5 TO 67.5	0.5808E-03	82.5-157.5	0.5328E-03	0	0- 75	0.2836E-02	90-165	0.2836E-02
15-30.00	0.1136E-01	-7.5 TO 67.5	0.5499E-03	82.5-157.5	0.4516E-03	15	0- 75	0.2873E-02	90-165	0.2513E-02
30-45.00	0.1808E-01	-7.5 TO 67.5	0.4560E-03	82.5-157.5	0.3333E-03	30	0- 75	0.2549E-02	90-165	0.1962E-02
45-60.00	0.2356E-01	-7.5 TO 67.5	0.3177E-03	82.5-157.5	0.2052E-03	45	0- 75	0.1938E-02	90-165	0.1318E-02
60-75.00	0.2744E-01	-7.5 TO 67.5	0.1636E-03	82.5-157.5	0.8505E-04	60	0- 75	0.1184E-02	90-165	0.6900E-03
75-87.54	0.2457E-01	-7.5 TO 67.5	0.3348E-04	82.5-157.5	0.5869E-05	75	0- 75	0.4249E-03	90-165	0.1367E-03
0-15.00	0.4652E-02	-7.5 TO 82.5	0.5773E-03	82.5-172.5	0.5298E-03	0	0- 90	0.3403E-02	90-180	0.3403E-02
15-30.00	0.1364E-01	-7.5 TO 82.5	0.5424E-03	82.5-172.5	0.4459E-03	15	0- 90	0.3413E-02	90-180	0.2994E-02
30-45.00	0.2169E-01	-7.5 TO 82.5	0.4463E-03	82.5-172.5	0.3267E-03	30	0- 90	0.2999E-02	90-180	0.2321E-02
45-60.00	0.2827E-01	-7.5 TO 82.5	0.3085E-03	82.5-172.5	0.1996E-03	45	0- 90	0.2261E-02	90-180	0.1549E-02
60-75.00	0.3293E-01	-7.5 TO 82.5	0.1569E-03	82.5-172.5	0.8146E-04	60	0- 90	0.1367E-02	90-180	0.8065E-03
75-87.54	0.2948E-01	-7.5 TO 82.5	0.3067E-04	82.5-172.5	0.5203E-05	75	0- 90	0.4774E-03	90-180	0.1521E-03
0-15.00	0.5427E-02	-7.5 TO 97.5	0.5733E-03	82.5-187.5	0.5275E-03	0	0-105	0.3970E-02	90-195	0.3970E-02
15-30.00	0.1591E-01	-7.5 TO 97.5	0.5342E-03	82.5-187.5	0.4415E-03	15	0-105	0.3938E-02	90-195	0.3475E-02
30-45.00	0.2531E-01	-7.5 TO 97.5	0.4358E-03	82.5-187.5	0.3217E-03	30	0-105	0.3427E-02	90-195	0.2681E-02
45-60.00	0.3299E-01	-7.5 TO 97.5	0.2987E-03	82.5-187.5	0.1953E-03	45	0-105	0.2560E-02	90-195	0.1781E-02
60-75.00	0.3841E-01	-7.5 TO 97.5	0.1500E-03	82.5-187.5	0.7872E-04	60	0-105	0.1532E-02	90-195	0.9191E-03
75-87.54	0.3440E-01	-7.5 TO 97.5	0.2791E-04	82.5-187.5	0.4711E-05	75	0-105	0.5190E-03	90-195	0.1674E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

r_2/r_1 = 0.70 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5364 $\cosh \mu_2$ = 4.9480 $\alpha_{2,max}$ = 92.46 $\theta_{2,min}$ = 75.94

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7753E-03	-7.5 TO 7.5	0.5885E-03	82.5- 97.5	0.5497E-03	0	0- 15	0.5671E-03	90-105	0.5671E-03
15-30.00	0.2273E-02	-7.5 TO 7.5	0.5664E-03	82.5- 97.5	0.4848E-03	15	0- 15	0.5895E-03	90-105	0.5255E-03
30-45.00	0.3616E-02	-7.5 TO 7.5	0.4777E-03	82.5- 97.5	0.3730E-03	30	0- 15	0.5355E-03	90-105	0.4276E-03
45-60.00	0.4712E-02	-7.5 TO 7.5	0.3386E-03	82.5- 97.5	0.2399E-03	45	0- 15	0.4166E-03	90-105	0.2990E-03
60-75.00	0.5488E-02	-7.5 TO 7.5	0.1792E-03	82.5- 97.5	0.1080E-03	60	0- 15	0.2612E-03	90-105	0.1647E-03
75-87.54	0.4914E-02	-7.5 TO 7.5	0.4109E-04	82.5- 97.5	0.1139E-04	75	0- 15	0.1005E-03	90-105	0.4163E-04
0-15.00	0.1551E-02	-7.5 TO 22.5	0.5878E-03	82.5-112.5	0.5449E-03	0	0- 30	0.1134E-02	90-120	0.1134E-02
15-30.00	0.4546E-02	-7.5 TO 22.5	0.5649E-03	82.5-112.5	0.4753E-03	15	0- 30	0.1175E-02	90-120	0.1038E-02
30-45.00	0.7232E-02	-7.5 TO 22.5	0.4757E-03	82.5-112.5	0.3614E-03	30	0- 30	0.1064E-02	90-120	0.8341E-03
45-60.00	0.9424E-02	-7.5 TO 22.5	0.3367E-03	82.5-112.5	0.2296E-03	45	0- 30	0.8250E-03	90-120	0.5764E-03
60-75.00	0.1098E-01	-7.5 TO 22.5	0.1777E-03	82.5-112.5	0.1010E-03	60	0- 30	0.5154E-03	90-120	0.3129E-03
75-87.54	0.9827E-02	-7.5 TO 22.5	0.4032E-04	82.5-112.5	0.9563E-05	75	0- 30	0.1964E-03	90-120	0.7416E-04
0-15.00	0.2326E-02	-7.5 TO 37.5	0.5862E-03	82.5-127.5	0.5404E-03	0	0- 45	0.1701E-02	90-135	0.1701E-02
15-30.00	0.6819E-02	-7.5 TO 37.5	0.5615E-03	82.5-127.5	0.4664E-03	15	0- 45	0.1753E-02	90-135	0.1538E-02
30-45.00	0.1085E-01	-7.5 TO 37.5	0.4712E-03	82.5-127.5	0.3508E-03	30	0- 45	0.1579E-02	90-135	0.1223E-02
45-60.00	0.1414E-01	-7.5 TO 37.5	0.3323E-03	82.5-127.5	0.2203E-03	45	0- 45	0.1218E-02	90-135	0.8358E-03
60-75.00	0.1646E-01	-7.5 TO 37.5	0.1744E-03	82.5-127.5	0.9484E-04	60	0- 45	0.7565E-03	90-135	0.4476E-03
75-87.54	0.1474E-01	-7.5 TO 37.5	0.3863E-04	82.5-127.5	0.8017E-05	75	0- 45	0.2840E-03	90-135	0.9956E-04
0-15.00	0.3101E-02	-7.5 TO 52.5	0.5839E-03	82.5-142.5	0.5363E-03	0	0- 60	0.2269E-02	90-150	0.2269E-02
15-30.00	0.9092E-02	-7.5 TO 52.5	0.5564E-03	82.5-142.5	0.4585E-03	15	0- 60	0.2319E-02	90-150	0.2029E-02
30-45.00	0.1446E-01	-7.5 TO 52.5	0.4645E-03	82.5-142.5	0.3414E-03	30	0- 60	0.2075E-02	90-150	0.1597E-02
45-60.00	0.1885E-01	-7.5 TO 52.5	0.3258E-03	82.5-142.5	0.2121E-03	45	0- 60	0.1590E-02	90-150	0.1081E-02
60-75.00	0.2195E-01	-7.5 TO 52.5	0.1696E-03	82.5-142.5	0.8951E-04	60	0- 60	0.9802E-03	90-150	0.5721E-03
75-87.54	0.1965E-01	-7.5 TO 52.5	0.3624E-04	82.5-142.5	0.6778E-05	75	0- 60	0.3607E-03	90-150	0.1198E-03
0-15.00	0.3816E-02	-7.5 TO 67.5	0.5808E-03	82.5-157.5	0.5328E-03	0	0- 75	0.2836E-02	90-165	0.2836E-02
15-30.00	0.1136E-01	-7.5 TO 67.5	0.5499E-03	82.5-157.5	0.4516E-03	15	0- 75	0.2873E-02	90-165	0.2513E-02
30-45.00	0.1808E-01	-7.5 TO 67.5	0.4560E-03	82.5-157.5	0.3333E-03	30	0- 75	0.2549E-02	90-165	0.1962E-02
45-60.00	0.2356E-01	-7.5 TO 67.5	0.3177E-03	82.5-157.5	0.2052E-03	45	0- 75	0.1938E-02	90-165	0.1318E-02
60-75.00	0.2744E-01	-7.5 TO 67.5	0.1637E-03	82.5-157.5	0.8505E-04	60	0- 75	0.1184E-02	90-165	0.6900E-03
75-87.54	0.2457E-01	-7.5 TO 67.5	0.3351E-04	82.5-157.5	0.5869E-05	75	0- 75	0.4251E-03	90-165	0.1367E-03
0-15.00	0.4652E-02	-7.5 TO 82.5	0.5773E-03	82.5-172.5	0.5298E-03	0	0- 90	0.3403E-02	90-180	0.3403E-02
15-30.00	0.1364E-01	-7.5 TO 82.5	0.5424E-03	82.5-172.5	0.4459E-03	15	0- 90	0.3413E-02	90-180	0.2994E-02
30-45.00	0.2169E-01	-7.5 TO 82.5	0.4463E-03	82.5-172.5	0.3267E-03	30	0- 90	0.2999E-02	90-180	0.2321E-02
45-60.00	0.2827E-01	-7.5 TO 82.5	0.3085E-03	82.5-172.5	0.1996E-03	45	0- 90	0.2261E-02	90-180	0.1549E-02
60-75.00	0.3293E-01	-7.5 TO 82.5	0.1570E-03	82.5-172.5	0.8146E-04	60	0- 90	0.1368E-02	90-180	0.8045E-03
75-87.54	0.2948E-01	-7.5 TO 82.5	0.3069E-04	82.5-172.5	0.5203E-05	75	0- 90	0.4776E-03	90-180	0.1521E-03
0-15.00	0.5427E-02	-7.5 TO 97.5	0.5733E-03	82.5-187.5	0.5275E-03	0	0-105	0.3970E-02	90-195	0.3970E-02
15-30.00	0.1593E-01	-7.5 TO 97.5	0.5342E-03	82.5-187.5	0.4415E-03	15	0-105	0.3938E-02	90-195	0.3475E-02
30-45.00	0.2531E-01	-7.5 TO 97.5	0.4338E-03	82.5-187.5	0.3217E-03	30	0-105	0.3427E-02	90-195	0.2681E-02
45-60.00	0.3299E-01	-7.5 TO 97.5	0.2987E-03	82.5-187.5	0.1953E-03	45	0-105	0.2560E-02	90-195	0.1781E-02
60-75.00	0.3841E-01	-7.5 TO 97.5	0.1500E-03	82.5-187.5	0.7872E-04	60	0-105	0.1532E-02	90-195	0.9191E-03
75-87.54	0.3440E-01	-7.5 TO 97.5	0.2794E-04	82.5-187.5	0.4711E-05	75	0-105	0.5193E-03	90-195	0.1674E-03

r_2/r_1 = 0.70 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0255 $\cosh \mu_2$ = 7.1064 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 182.75

0-15.00	0.3678E-03	-7.5 TO 7.5	0.1936E-04	82.5- 97.5	0.1922E-04	0	0- 15	0.1973E-04	90-105	0.1973E-04
15-30.00	0.1078E-02	-7.5 TO 7.5	0.1757E-04	82.5- 97.5	0.1727E-04	15	0- 15	0.1892E-04	90-105	0.1868E-04
30-45.00	0.1715E-02	-7.5 TO 7.5	0.1418E-04	82.5- 97.5	0.1379E-04	30	0- 15	0.1623E-04	90-105	0.1583E-04
45-60.00	0.2235E-02	-7.5 TO 7.5	0.9804E-05	82.5- 97.5	0.9409E-05	45	0- 15	0.1219E-04	90-105	0.1174E-04
60-75.00	0.2603E-02	-7.5 TO 7.5	0.5101E-05	82.5- 97.5	0.4776E-05	60	0- 15	0.7514E-05	90-105	0.7098E-05
75-88.28	0.2470E-02	-7.5 TO 7.5	0.9651E-06	82.5- 97.5	0.8229E-06	75	0- 15	0.2807E-05	90-105	0.2498E-05
0-15.00	0.7355E-03	-7.5 TO 22.5	0.1936E-04	82.5-112.5	0.1920E-04	0	0- 30	0.3946E-04	90-120	0.3946E-04
15-30.00	0.2157E-02	-7.5 TO 22.5	0.1756E-04	82.5-112.5	0.1723E-04	15	0- 30	0.3782E-04	90-120	0.3731E-04
30-45.00	0.3431E-02	-7.5 TO 22.5	0.1417E-04	82.5-112.5	0.1374E-04	30	0- 30	0.3243E-04	90-120	0.3156E-04
45-60.00	0.4471E-02	-7.5 TO 22.5	0.9797E-05	82.5-112.5	0.9359E-05	45	0- 30	0.2436E-04	90-120	0.2337E-04
60-75.00	0.5206E-02	-7.5 TO 22.5	0.5095E-05	82.5-112.5	0.4734E-05	60	0- 30	0.1500E-04	90-120	0.1411E-04
75-88.28	0.4939E-02	-7.5 TO 22.5	0.9626E-06	82.5-112.5	0.8051E-06	75	0- 30	0.5596E-05	90-120	0.4929E-05
0-15.00	0.1103E-02	-7.5 TO 37.5	0.1935E-04	82.5-127.5	0.1918E-04	0	0- 45	0.5919E-04	90-135	0.5919E-04
15-30.00	0.3235E-02	-7.5 TO 37.5	0.1755E-04	82.5-127.5	0.1720E-04	15	0- 45	0.5669E-04	90-135	0.5590E-04
30-45.00	0.5146E-02	-7.5 TO 37.5	0.1416E-04	82.5-127.5	0.1369E-04	30	0- 45	0.4858E-04	90-135	0.4722E-04
45-60.00	0.6706E-02	-7.5 TO 37.5	0.9781E-05	82.5-127.5	0.9312E-05	45	0- 45	0.3647E-04	90-135	0.3492E-04
60-75.00	0.7809E-02	-7.5 TO 37.5	0.5082E-05	82.5-127.5	0.4695E-05	60	0- 45	0.2244E-04	90-135	0.2103E-04
75-88.28	0.7409E-02	-7.5 TO 37.5	0.9569E-06	82.5-127.5	0.7882E-06	75	0- 45	0.8348E-05	90-135	0.7300E-05
0-15.00	0.1471E-02	-7.5 TO 52.5	0.1934E-04	82.5-142.5	0.1917E-04	0	0- 60	0.7892E-04	90-150	0.7892E-04
15-30.00	0.4313E-02	-7.5 TO 52.5	0.1754E-04	82.5-142.5	0.1716E-04	15	0- 60	0.7553E-04	90-150	0.7444E-04
30-45.00	0.6861E-02	-7.5 TO 52.5	0.1414E-04	82.5-142.5	0.1365E-04	30	0- 60	0.6467E-04	90-150	0.6282E-04
45-60.00	0.8941E-02	-7.5 TO 52.5	0.9758E-05	82.5-142.5	0.9268E-05	45	0- 60	0.4851E-04	90-150	0.4639E-04
60-75.00	0.1041E-01	-7.5 TO 52.5	0.5063E-05	82.5-142.5	0.4660E-05	60	0- 60	0.2981E-04	90-150	0.2789E-04
75-88.28	0.9879E-02	-7.5 TO 52.5	0.9483E-06	82.5-142.5	0.7728E-06	75	0- 60	0.1105E-04	90-150	0.9622E-05
0-15.00	0.1839E-02	-7.5 TO 67.5	0.1933E-04	82.5-157.5	0.1915E-04	0	0- 75	0.9865E-04	90-165	0.9865E-04
15-30.00	0.5391E-02	-7.5 TO 67.5	0.1751E-04	82.5-157.5	0.1714E-04	15	0- 75	0.9432E-04	90-165	0.9296E-04
30-45.00	0.8576E-02	-7.5 TO 67.5	0.1411E-04	82.5-157.5	0.1361E-04	30	0- 75	0.8068E-04	90-165	0.7836E-04
45-60.00	0.1118E-01	-7.5 TO 67.5	0.9727E-05	82.5-157.5	0.9230E-05	45	0- 75	0.6046E-04	90-165	0.5781E-04
60-75.00	0.1302E-01	-7.5 TO 67.5	0.5037E-05	82.5-157.5	0.4629E-05	60	0- 75	0.3710E-04	90-165	0.3471E-04
75-88.28	0.1235E-01	-7.5 TO 67.5	0.9373E-06	82.5-157.5	0.7593E-06	75	0- 75	0.1369E-04	90-165	0.1191E-04
0-15.00	0.2207E-02	-7.5 TO 82.5	0.1932E-04	82.5-172.5	0.1914E-04	0	0- 90	0.1184E-03	90-180	0.1184E-03
15-30.00	0.6470E-02	-7.5 TO 82.5	0.1748E-04	82.5-172.5	0.1711E-04	15	0- 90	0.1131E-03	90-180	0.1115E-03
30-45.00	0.1029E-01	-7.5 TO 82.5	0.1407E-04	82.5-172.5	0.1358E-04	30	0- 90	0.9660E-04	90-180	0.9389E-04
45-60.00	0.1341E-01	-7.5 TO 82.5	0.9691E-05	82.5-172.5	0.9198E-05	45	0- 90	0.7230E-04	90-180	0.6921E-04
60-75.00	0.1562E-01	-7.5 TO 82.5	0.5008E-05	82.5-172.5	0.4603E-05	60	0- 90	0.4429E-04	90-180	0.4150E-04
75-88.28	0.1482E-01	-7.5 TO 82.5	0.9242E-06	82.5-172.5	0.7481E-06	75	0- 90	0.1625E-04	90-180	0.1418E-04
0-15.00	0.2574E-02	-7.5 TO 97.5	0.1930E-04	82.5-187.5	0.1913E-04	0	0-105	0.1381E-03	90-195	0.1381E-03
15-30.00	0.7548E-02	-7.5 TO 97.5	0.1745E-04	82.5-187.5	0.1709E-04	15	0-105	0.1317E-03	90-195	0.1300E-03
30-45.00	0.1201E-01	-7.5 TO 97.5	0.1403E-04	82.5-187.5	0.1355E-04	30	0-105	0.1124E-03	90-195	0.1094E-03
45-60.00	0.1565E-01	-7.5 TO 97.5	0.9651E-05	82.5-187.5	0.9173E-05	45	0-105	0.8404E-04	90-195	0.8060E-04
60-75.00	0.1822E-01	-7.5 TO 97.5	0.4974E-05	82.5-187.5	0.4583E-05	60	0-105	0.5139E-04	90-195	0.4829E-04
75-88.28	0.1729E-01	-7.5 TO 97.5	0.9098E-06	82.5-187.5	0.7395E-06	75	0-105	0.1875E-04	90-195	0.1645E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(b) *Continued.* Radius ratio, r_2/r_1, 0.70

r_2/r_1 = 0.70 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0255 $\cosh \mu_2$ = 7.1064 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 145.69

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3678E-03	-7.5 TO 7.5	0.7148E-04	82.5- 97.5	0.7045E-04	0	0- 15	0.7232E-04	90-105	0.7232E-04
15-30.00	0.1078E-02	-7.5 TO 7.5	0.6550E-04	82.5- 97.5	0.6333E-04	15	0- 15	0.7010E-04	90-105	0.6839E-04
30-45.00	0.1715E-02	-7.5 TO 7.5	0.5345E-04	82.5- 97.5	0.5059E-04	30	0- 15	0.6080E-04	90-105	0.5788E-04
45-60.00	0.2235E-02	-7.5 TO 7.5	0.3744E-04	82.5- 97.5	0.3454E-04	45	0- 15	0.4623E-04	90-105	0.4288E-04
60-75.00	0.2603E-02	-7.5 TO 7.5	0.1993E-04	82.5- 97.5	0.1755E-04	60	0- 15	0.2894E-04	90-105	0.2590E-04
75-88.28	0.2470E-02	-7.5 TO 7.5	0.4237E-05	82.5- 97.5	0.3035E-05	75	0- 15	0.1132E-04	90-105	0.9075E-05
0-15.00	0.7355E-03	-7.5 TO 22.5	0.7146E-04	82.5-112.5	0.7031E-04	0	0- 30	0.1446E-03	90-120	0.1446E-03
15-30.00	0.2157E-02	-7.5 TO 22.5	0.6547E-04	82.5-112.5	0.6306E-04	15	0- 30	0.1401E-03	90-120	0.1364E-03
30-45.00	0.3431E-02	-7.5 TO 22.5	0.5341E-04	82.5-112.5	0.5023E-04	30	0- 30	0.1214E-03	90-120	0.1151E-03
45-60.00	0.4471E-02	-7.5 TO 22.5	0.3738E-04	82.5-112.5	0.3418E-04	45	0- 30	0.9226E-04	90-120	0.8504E-04
60-75.00	0.5206E-02	-7.5 TO 22.5	0.1989E-04	82.5-112.5	0.1726E-04	60	0- 30	0.5770E-04	90-120	0.5116E-04
75-88.28	0.4939E-02	-7.5 TO 22.5	0.4211E-05	82.5-112.5	0.2910E-05	75	0- 30	0.2251E-04	90-120	0.1767E-04
0-15.00	0.1103E-02	-7.5 TO 37.5	0.7142E-04	82.5-127.5	0.7019E-04	0	0- 45	0.2170E-03	90-135	0.2170E-03
15-30.00	0.3235E-02	-7.5 TO 37.5	0.6538E-04	82.5-127.5	0.6279E-04	15	0- 45	0.2099E-03	90-135	0.2041E-03
30-45.00	0.5146E-02	-7.5 TO 37.5	0.5329E-04	82.5-127.5	0.4988E-04	30	0- 45	0.1817E-03	90-135	0.1718E-03
45-60.00	0.6706E-02	-7.5 TO 37.5	0.3727E-04	82.5-127.5	0.3384E-04	45	0- 45	0.1379E-03	90-135	0.1265E-03
60-75.00	0.7809E-02	-7.5 TO 37.5	0.1979E-04	82.5-127.5	0.1698E-04	60	0- 45	0.8609E-04	90-135	0.7583E-04
75-88.28	0.7409E-02	-7.5 TO 37.5	0.4152E-05	82.5-127.5	0.2791E-05	75	0- 45	0.3342E-04	90-135	0.2586E-04
0-15.00	0.1471E-02	-7.5 TO 52.5	0.7136E-04	82.5-142.5	0.7007E-04	0	0- 60	0.2893E-03	90-150	0.2893E-03
15-30.00	0.4313E-02	-7.5 TO 52.5	0.6525E-04	82.5-142.5	0.6255E-04	15	0- 60	0.2794E-03	90-150	0.2715E-03
30-45.00	0.6861E-02	-7.5 TO 52.5	0.5312E-04	82.5-142.5	0.4957E-04	30	0- 60	0.2415E-03	90-150	0.2280E-03
45-60.00	0.8941E-02	-7.5 TO 52.5	0.3709E-04	82.5-142.5	0.3353E-04	45	0- 60	0.1830E-03	90-150	0.1675E-03
60-75.00	0.1041E-01	-7.5 TO 52.5	0.1965E-04	82.5-142.5	0.1673E-04	60	0- 60	0.1140E-03	90-150	0.1000E-03
75-88.28	0.9879E-02	-7.5 TO 52.5	0.4066E-05	82.5-142.5	0.2684E-05	75	0- 60	0.4395E-04	90-150	0.3371E-04
0-15.00	0.1839E-02	-7.5 TO 67.5	0.7128E-04	82.5-157.5	0.6997E-04	0	0- 75	0.3616E-03	90-165	0.3616E-03
15-30.00	0.5391E-02	-7.5 TO 67.5	0.6508E-04	82.5-157.5	0.6234E-04	15	0- 75	0.3486E-03	90-165	0.3387E-03
30-45.00	0.8576E-02	-7.5 TO 67.5	0.5290E-04	82.5-157.5	0.4929E-04	30	0- 75	0.3007E-03	90-165	0.2838E-03
45-60.00	0.1118E-01	-7.5 TO 67.5	0.3687E-04	82.5-157.5	0.3326E-04	45	0- 75	0.2274E-03	90-165	0.2081E-03
60-75.00	0.1302E-01	-7.5 TO 67.5	0.1946E-04	82.5-157.5	0.1651E-04	60	0- 75	0.1412E-03	90-165	0.1239E-03
75-88.28	0.1235E-01	-7.5 TO 67.5	0.3962E-05	82.5-157.5	0.2591E-05	75	0- 75	0.5403E-04	90-165	0.4132E-04
0-15.00	0.2207E-02	-7.5 TO 82.5	0.7119E-04	82.5-172.5	0.6988E-04	0	0- 90	0.4339E-03	90-180	0.4339E-03
15-30.00	0.6470E-02	-7.5 TO 82.5	0.6488E-04	82.5-172.5	0.6216E-04	15	0- 90	0.4174E-03	90-180	0.4058E-03
30-45.00	0.1029E-01	-7.5 TO 82.5	0.5263E-04	82.5-172.5	0.4907E-04	30	0- 90	0.3592E-03	90-180	0.3395E-03
45-60.00	0.1341E-01	-7.5 TO 82.5	0.3660E-04	82.5-172.5	0.3303E-04	45	0- 90	0.2710E-03	90-180	0.2486E-03
60-75.00	0.1562E-01	-7.5 TO 82.5	0.1924E-04	82.5-172.5	0.1633E-04	60	0- 90	0.1678E-03	90-180	0.1477E-03
75-88.28	0.1482E-01	-7.5 TO 82.5	0.3850E-05	82.5-172.5	0.2514E-05	75	0- 90	0.6361E-04	90-180	0.4882E-04
0-15.00	0.2574E-02	-7.5 TO 97.5	0.7108E-04	82.5-187.5	0.6982E-04	0	0-105	0.5062E-03	90-195	0.5062E-03
15-30.00	0.7548E-02	-7.5 TO 97.5	0.6466E-04	82.5-187.5	0.6203E-04	15	0-105	0.4858E-03	90-195	0.4729E-03
30-45.00	0.1201E-01	-7.5 TO 97.5	0.5234E-04	82.5-187.5	0.4889E-04	30	0-105	0.4171E-03	90-195	0.3952E-03
45-60.00	0.1565E-01	-7.5 TO 97.5	0.3631E-04	82.5-187.5	0.3285E-04	45	0-105	0.3139E-03	90-195	0.2890E-03
60-75.00	0.1822E-01	-7.5 TO 97.5	0.1900E-04	82.5-187.5	0.1619E-04	60	0-105	0.1937E-03	90-195	0.1714E-03
75-88.28	0.1729E-01	-7.5 TO 97.5	0.3734E-05	82.5-187.5	0.2455E-05	75	0-105	0.7268E-04	90-195	0.5631E-04

r_2/r_1 = 0.70 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0255 $\cosh \mu_2$ = 7.1064 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 128.97

0-15.00	0.3678E-03	-7.5 TO 7.5	0.1400E-03	82.5- 97.5	0.1370E-03	0	0- 15	0.1406E-03	90-105	0.1406E-03
15-30.00	0.1078E-02	-7.5 TO 7.5	0.1295E-03	82.5- 97.5	0.1232E-03	15	0- 15	0.1378E-03	90-105	0.1328E-03
30-45.00	0.1715E-02	-7.5 TO 7.5	0.1068E-03	82.5- 97.5	0.9850E-04	30	0- 15	0.1208E-03	90-105	0.1123E-03
45-60.00	0.2235E-02	-7.5 TO 7.5	0.7572E-04	82.5- 97.5	0.6733E-04	45	0- 15	0.9291E-04	90-105	0.8319E-04
60-75.00	0.2603E-02	-7.5 TO 7.5	0.4112E-04	82.5- 97.5	0.3428E-04	60	0- 15	0.5900E-04	90-105	0.5023E-04
75-88.28	0.2470E-02	-7.5 TO 7.5	0.9638E-05	82.5- 97.5	0.5958E-05	75	0- 15	0.2396E-04	90-105	0.1755E-04
0-15.00	0.7355E-03	-7.5 TO 22.5	0.1400E-03	82.5-112.5	0.1366E-03	0	0- 30	0.2813E-03	90-120	0.2813E-03
15-30.00	0.2157E-02	-7.5 TO 22.5	0.1294E-03	82.5-112.5	0.1224E-03	15	0- 30	0.2753E-03	90-120	0.2646E-03
30-45.00	0.3431E-02	-7.5 TO 22.5	0.1067E-03	82.5-112.5	0.9746E-04	30	0- 30	0.2411E-03	90-120	0.2228E-03
45-60.00	0.4471E-02	-7.5 TO 22.5	0.7557E-04	82.5-112.5	0.6630E-04	45	0- 30	0.1852E-03	90-120	0.1643E-03
60-75.00	0.5206E-02	-7.5 TO 22.5	0.4100E-04	82.5-112.5	0.3345E-04	60	0- 30	0.1174E-03	90-120	0.9861E-04
75-88.28	0.4939E-02	-7.5 TO 22.5	0.9560E-05	82.5-112.5	0.5612E-05	75	0- 30	0.4751E-04	90-120	0.3379E-04
0-15.00	0.1103E-02	-7.5 TO 37.5	0.1399E-03	82.5-127.5	0.1363E-03	0	0- 45	0.4219E-03	90-135	0.4219E-03
15-30.00	0.3235E-02	-7.5 TO 37.5	0.1292E-03	82.5-127.5	0.1217E-03	15	0- 45	0.4123E-03	90-135	0.3954E-03
30-45.00	0.5146E-02	-7.5 TO 37.5	0.1064E-03	82.5-127.5	0.9668E-04	30	0- 45	0.3604E-03	90-135	0.3316E-03
45-60.00	0.6706E-02	-7.5 TO 37.5	0.7523E-04	82.5-127.5	0.6533E-04	45	0- 45	0.2764E-03	90-135	0.2436E-03
60-75.00	0.7809E-02	-7.5 TO 37.5	0.4072E-04	82.5-127.5	0.3268E-04	60	0- 45	0.1748E-03	90-135	0.1454E-03
75-88.28	0.7409E-02	-7.5 TO 37.5	0.9383E-05	82.5-127.5	0.5290E-05	75	0- 45	0.7027E-04	90-135	0.4890E-04
0-15.00	0.1471E-02	-7.5 TO 52.5	0.1397E-03	82.5-142.5	0.1359E-03	0	0- 60	0.5626E-03	90-150	0.5626E-03
15-30.00	0.4313E-02	-7.5 TO 52.5	0.1288E-03	82.5-142.5	0.1210E-03	15	0- 60	0.5484E-03	90-150	0.5253E-03
30-45.00	0.6861E-02	-7.5 TO 52.5	0.1059E-03	82.5-142.5	0.9558E-04	30	0- 60	0.4783E-03	90-150	0.4392E-03
45-60.00	0.8941E-02	-7.5 TO 52.5	0.7472E-04	82.5-142.5	0.6445E-04	45	0- 60	0.3659E-03	90-150	0.3213E-03
60-75.00	0.1041E-01	-7.5 TO 52.5	0.4030E-04	82.5-142.5	0.3198E-04	60	0- 60	0.2307E-03	90-150	0.1909E-03
75-88.28	0.9879E-02	-7.5 TO 52.5	0.9121E-05	82.5-142.5	0.5000E-05	75	0- 60	0.9193E-04	90-150	0.6310E-04
0-15.00	0.1839E-02	-7.5 TO 67.5	0.1394E-03	82.5-157.5	0.1356E-03	0	0- 75	0.7032E-03	90-165	0.7032E-03
15-30.00	0.5391E-02	-7.5 TO 67.5	0.1283E-03	82.5-157.5	0.1204E-03	15	0- 75	0.6835E-03	90-165	0.6547E-03
30-45.00	0.8576E-02	-7.5 TO 67.5	0.1052E-03	82.5-157.5	0.9480E-04	30	0- 75	0.5944E-03	90-165	0.5457E-03
45-60.00	0.1118E-01	-7.5 TO 67.5	0.7407E-04	82.5-157.5	0.6368E-04	45	0- 75	0.4534E-03	90-165	0.3981E-03
60-75.00	0.1302E-01	-7.5 TO 67.5	0.3976E-04	82.5-157.5	0.3137E-04	60	0- 75	0.2848E-03	90-165	0.2354E-03
75-88.28	0.1235E-01	-7.5 TO 67.5	0.8795E-05	82.5-157.5	0.4750E-05	75	0- 75	0.1123E-03	90-165	0.7668E-04
0-15.00	0.2207E-02	-7.5 TO 82.5	0.1392E-03	82.5-172.5	0.1354E-03	0	0- 90	0.8439E-03	90-180	0.8439E-03
15-30.00	0.6470E-02	-7.5 TO 82.5	0.1277E-03	82.5-172.5	0.1199E-03	15	0- 90	0.8175E-03	90-180	0.7839E-03
30-45.00	0.1029E-01	-7.5 TO 82.5	0.1044E-03	82.5-172.5	0.9415E-04	30	0- 90	0.7087E-03	90-180	0.6519E-03
45-60.00	0.1341E-01	-7.5 TO 82.5	0.7330E-04	82.5-172.5	0.6305E-04	45	0- 90	0.5388E-03	90-180	0.4743E-03
60-75.00	0.1562E-01	-7.5 TO 82.5	0.3913E-04	82.5-172.5	0.3087E-04	60	0- 90	0.3370E-03	90-180	0.2796E-03
75-88.28	0.1482E-01	-7.5 TO 82.5	0.8444E-05	82.5-172.5	0.4548E-05	75	0- 90	0.1313E-03	90-180	0.8994E-04
0-15.00	0.2574E-02	-7.5 TO 97.5	0.1389E-03	82.5-187.5	0.1352E-03	0	0-105	0.9845E-03	90-195	0.9845E-03
15-30.00	0.7548E-02	-7.5 TO 97.5	0.1271E-03	82.5-187.5	0.1195E-03	15	0-105	0.9503E-03	90-195	0.9130E-03
30-45.00	0.1201E-01	-7.5 TO 97.5	0.1036E-03	82.5-187.5	0.9365E-04	30	0-105	0.8210E-03	90-195	0.7580E-03
45-60.00	0.1565E-01	-7.5 TO 97.5	0.7244E-04	82.5-187.5	0.6256E-04	45	0-105	0.6220E-03	90-195	0.5506E-03
60-75.00	0.1822E-01	-7.5 TO 97.5	0.3844E-04	82.5-187.5	0.3049E-04	60	0-105	0.3873E-03	90-195	0.3237E-03
75-88.28	0.1729E-01	-7.5 TO 97.5	0.8089E-05	82.5-187.5	0.4393E-05	75	0-105	0.1488E-03	90-195	0.1032E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0255$ $\cosh \mu_2 = 7.1064$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 112.74$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3678E-03	-7.5 TO 7.5	0.2042E-03	82.5- 97.5	0.1984E-03	0	0- 15	0.2037E-03	90-105	0.2037E-03
15-30.00	0.1078E-02	-7.5 TO 7.5	0.1907E-03	82.5- 97.5	0.1785E-03	15	0- 15	0.2017E-03	90-105	0.1921E-03
30-45.00	0.1715E-02	-7.5 TO 7.5	0.1589E-03	82.5- 97.5	0.1428E-03	30	0- 15	0.1787E-03	90-105	0.1623E-03
45-60.00	0.2235E-02	-7.5 TO 7.5	0.1138E-03	82.5- 97.5	0.9775E-04	45	0- 15	0.1389E-03	90-105	0.1202E-03
60-75.00	0.2603E-02	-7.5 TO 7.5	0.6281E-04	82.5- 97.5	0.4986E-04	60	0- 15	0.8928E-04	90-105	0.7257E-04
75-88.28	0.2470E-02	-7.5 TO 7.5	0.1574E-04	82.5- 97.5	0.8717E-05	75	0- 15	0.3728E-04	90-105	0.2535E-04
0-15.00	0.7355E-03	-7.5 TO 22.5	0.2041E-03	82.5-112.5	0.1977E-03	0	0- 30	0.4073E-03	90-120	0.4073E-03
15-30.00	0.2157E-02	-7.5 TO 22.5	0.1900E-03	82.5-112.5	0.1770E-03	15	0- 30	0.4029E-03	90-120	0.3821E-03
30-45.00	0.3431E-02	-7.5 TO 22.5	0.1586E-03	82.5-112.5	0.1408E-03	30	0- 30	0.3565E-03	90-120	0.3211E-03
45-60.00	0.4471E-02	-7.5 TO 22.5	0.1136E-03	82.5-112.5	0.9581E-04	45	0- 30	0.2766E-03	90-120	0.2364E-03
60-75.00	0.5206E-02	-7.5 TO 22.5	0.6258E-04	82.5-112.5	0.4834E-04	60	0- 30	0.1775E-03	90-120	0.1417E-03
75-88.28	0.4939E-02	-7.5 TO 22.5	0.1560E-04	82.5-112.5	0.8099E-05	75	0- 30	0.7377E-04	90-120	0.4833E-04
0-15.00	0.1103E-02	-7.5 TO 37.5	0.2039E-03	82.5-127.5	0.1970E-03	0	0- 45	0.6110E-03	90-135	0.6110E-03
15-30.00	0.3235E-02	-7.5 TO 37.5	0.1900E-03	82.5-127.5	0.1755E-03	15	0- 45	0.6029E-03	90-135	0.5703E-03
30-45.00	0.5146E-02	-7.5 TO 37.5	0.1580E-03	82.5-127.5	0.1390E-03	30	0- 45	0.5322E-03	90-135	0.4768E-03
45-60.00	0.6706E-02	-7.5 TO 37.5	0.1129E-03	82.5-127.5	0.9398E-04	45	0- 45	0.4121E-03	90-135	0.3492E-03
60-75.00	0.7809E-02	-7.5 TO 37.5	0.6204E-04	82.5-127.5	0.4692E-04	60	0- 45	0.2637E-03	90-135	0.2079E-03
75-88.28	0.7409E-02	-7.5 TO 37.5	0.1526E-04	82.5-127.5	0.7529E-05	75	0- 45	0.1088E-03	90-135	0.6930E-04
0-15.00	0.1471E-02	-7.5 TO 52.5	0.2035E-03	82.5-142.5	0.1963E-03	0	0- 60	0.8146E-03	90-150	0.8146E-03
15-30.00	0.4313E-02	-7.5 TO 52.5	0.1893E-03	82.5-142.5	0.1742E-03	15	0- 60	0.8013E-03	90-150	0.7569E-03
30-45.00	0.6861E-02	-7.5 TO 52.5	0.1570E-03	82.5-142.5	0.1373E-03	30	0- 60	0.7052E-03	90-150	0.6309E-03
45-60.00	0.8941E-02	-7.5 TO 52.5	0.1119E-03	82.5-142.5	0.9233E-04	45	0- 60	0.5444E-03	90-150	0.4592E-03
60-75.00	0.1041E-01	-7.5 TO 52.5	0.6124E-04	82.5-142.5	0.4565E-04	60	0- 60	0.3470E-03	90-150	0.2716E-03
75-88.28	0.9879E-02	-7.5 TO 52.5	0.1477E-04	82.5-142.5	0.7022E-05	75	0- 60	0.1417E-03	90-150	0.8868E-04
0-15.00	0.1839E-02	-7.5 TO 67.5	0.2031E-03	82.5-157.5	0.1958E-03	0	0- 75	0.1018E-02	90-165	0.1018E-02
15-30.00	0.5391E-02	-7.5 TO 67.5	0.1883E-03	82.5-157.5	0.1730E-03	15	0- 75	0.9977E-03	90-165	0.9424E-03
30-45.00	0.8576E-02	-7.5 TO 67.5	0.1557E-03	82.5-157.5	0.1358E-03	30	0- 75	0.8749E-03	90-165	0.7813E-03
45-60.00	0.1118E-01	-7.5 TO 67.5	0.1107E-03	82.5-157.5	0.9090E-04	45	0- 75	0.6729E-03	90-165	0.5673E-03
60-75.00	0.1302E-01	-7.5 TO 67.5	0.6021E-04	82.5-157.5	0.4455E-04	60	0- 75	0.4269E-03	90-165	0.3338E-03
75-88.28	0.1235E-01	-7.5 TO 67.5	0.1415E-04	82.5-157.5	0.6597E-05	75	0- 75	0.1722E-03	90-165	0.1070E-03
0-15.00	0.2207E-02	-7.5 TO 82.5	0.2026E-03	82.5-172.5	0.1953E-03	0	0- 90	0.1222E-02	90-180	0.1222E-02
15-30.00	0.6470E-02	-7.5 TO 82.5	0.1872E-03	82.5-172.5	0.1721E-03	15	0- 90	0.1192E-02	90-180	0.1127E-02
30-45.00	0.1029E-01	-7.5 TO 82.5	0.1543E-03	82.5-172.5	0.1345E-03	30	0- 90	0.1041E-02	90-180	0.9318E-03
45-60.00	0.1341E-01	-7.5 TO 82.5	0.1092E-03	82.5-172.5	0.8971E-04	45	0- 90	0.7973E-03	90-180	0.6744E-03
60-75.00	0.1562E-01	-7.5 TO 82.5	0.5901E-04	82.5-172.5	0.4364E-04	60	0- 90	0.5031E-03	90-180	0.3951E-03
75-88.28	0.1482E-01	-7.5 TO 82.5	0.1347E-04	82.5-172.5	0.6256E-05	75	0- 90	0.2001E-03	90-180	0.1247E-03
0-15.00	0.2574E-02	-7.5 TO 97.5	0.2020E-03	82.5-187.5	0.1949E-03	0	0-105	0.1426E-02	90-195	0.1426E-02
15-30.00	0.7548E-02	-7.5 TO 97.5	0.1860E-03	82.5-187.5	0.1713E-03	15	0-105	0.1384E-02	90-195	0.1312E-02
30-45.00	0.1201E-01	-7.5 TO 97.5	0.1526E-03	82.5-187.5	0.1336E-03	30	0-105	0.1203E-02	90-195	0.1082E-02
45-60.00	0.1565E-01	-7.5 TO 97.5	0.1075E-03	82.5-187.5	0.8880E-04	45	0-105	0.9175E-03	90-195	0.7814E-03
60-75.00	0.1822E-01	-7.5 TO 97.5	0.5771E-04	82.5-187.5	0.4294E-04	60	0-105	0.5757E-03	90-195	0.4564E-03
75-88.28	0.1729E-01	-7.5 TO 97.5	0.1279E-04	82.5-187.5	0.5997E-05	75	0-105	0.2255E-03	90-195	0.1425E-03

$r_2/r_1 = 0.70$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0255$ $\cosh \mu_2 = 7.1064$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 97.04$

0-15.00	0.3678E-03	-7.5 TO 7.5	0.2481E-03	82.5- 97.5	0.2373E-03	0	0- 15	0.2435E-03	90-105	0.2435E-03
15-30.00	0.1078E-02	-7.5 TO 7.5	0.2321E-03	82.5- 97.5	0.2136E-03	15	0- 15	0.2440E-03	90-105	0.2294E-03
30-45.00	0.1715E-02	-7.5 TO 7.5	0.1954E-03	82.5- 97.5	0.1710E-03	30	0- 15	0.2186E-03	90-105	0.1937E-03
45-60.00	0.2235E-02	-7.5 TO 7.5	0.1413E-03	82.5- 97.5	0.1172E-03	45	0- 15	0.1716E-03	90-105	0.1434E-03
60-75.00	0.2603E-02	-7.5 TO 7.5	0.7890E-04	82.5- 97.5	0.5989E-04	60	0- 15	0.1114E-03	90-105	0.8659E-04
75-88.28	0.2470E-02	-7.5 TO 7.5	0.2058E-04	82.5- 97.5	0.1052E-04	75	0- 15	0.4737E-04	90-105	0.3026E-04
0-15.00	0.7355E-03	-7.5 TO 22.5	0.2459E-03	82.5-112.5	0.2361E-03	0	0- 30	0.4870E-03	90-120	0.4870E-03
15-30.00	0.2157E-02	-7.5 TO 22.5	0.2318E-03	82.5-112.5	0.2113E-03	15	0- 30	0.4871E-03	90-120	0.4556E-03
30-45.00	0.3431E-02	-7.5 TO 22.5	0.1949E-03	82.5-112.5	0.1680E-03	30	0- 30	0.4356E-03	90-120	0.3821E-03
45-60.00	0.4471E-02	-7.5 TO 22.5	0.1409E-03	82.5-112.5	0.1143E-03	45	0- 30	0.3414E-03	90-120	0.2809E-03
60-75.00	0.5206E-02	-7.5 TO 22.5	0.7854E-04	82.5-112.5	0.5771E-04	60	0- 30	0.2212E-03	90-120	0.1682E-03
75-88.28	0.4939E-02	-7.5 TO 22.5	0.2037E-04	82.5-112.5	0.9679E-05	75	0- 30	0.9359E-04	90-120	0.5726E-04
0-15.00	0.1103E-02	-7.5 TO 37.5	0.2456E-03	82.5-127.5	0.2351E-03	0	0- 45	0.7305E-03	90-135	0.7305E-03
15-30.00	0.3235E-02	-7.5 TO 37.5	0.2311E-03	82.5-127.5	0.2091E-03	15	0- 45	0.7285E-03	90-135	0.6790E-03
30-45.00	0.5146E-02	-7.5 TO 37.5	0.1939E-03	82.5-127.5	0.1652E-03	30	0- 45	0.6496E-03	90-135	0.5657E-03
45-60.00	0.6706E-02	-7.5 TO 37.5	0.1399E-03	82.5-127.5	0.1116E-03	45	0- 45	0.5077E-03	90-135	0.4132E-03
60-75.00	0.7809E-02	-7.5 TO 37.5	0.7774E-04	82.5-127.5	0.5569E-04	60	0- 45	0.3279E-03	90-135	0.2455E-03
75-88.28	0.7409E-02	-7.5 TO 37.5	0.1989E-04	82.5-127.5	0.8912E-05	75	0- 45	0.1376E-03	90-135	0.8152E-04
0-15.00	0.1471E-02	-7.5 TO 52.5	0.2451E-03	82.5-142.5	0.2341E-03	0	0- 60	0.9740E-03	90-150	0.9740E-03
15-30.00	0.4313E-02	-7.5 TO 52.5	0.2299E-03	82.5-142.5	0.2071E-03	15	0- 60	0.9675E-03	90-150	0.9001E-03
30-45.00	0.6861E-02	-7.5 TO 52.5	0.1925E-03	82.5-142.5	0.1627E-03	30	0- 60	0.8595E-03	90-150	0.7457E-03
45-60.00	0.8941E-02	-7.5 TO 52.5	0.1384E-03	82.5-142.5	0.1092E-03	45	0- 60	0.6693E-03	90-150	0.5415E-03
60-75.00	0.1041E-01	-7.5 TO 52.5	0.7655E-04	82.5-142.5	0.5389E-04	60	0- 60	0.4304E-03	90-150	0.3194E-03
75-88.28	0.9879E-02	-7.5 TO 52.5	0.1918E-04	82.5-142.5	0.8241E-05	75	0- 60	0.1787E-03	90-150	0.1037E-03
0-15.00	0.1839E-02	-7.5 TO 67.5	0.2444E-03	82.5-157.5	0.2332E-03	0	0- 75	0.1218E-02	90-165	0.1218E-02
15-30.00	0.5391E-02	-7.5 TO 67.5	0.2285E-03	82.5-157.5	0.2053E-03	15	0- 75	0.1203E-02	90-165	0.1120E-02
30-45.00	0.8576E-02	-7.5 TO 67.5	0.1906E-03	82.5-157.5	0.1605E-03	30	0- 75	0.1064E-02	90-165	0.9229E-03
45-60.00	0.1118E-01	-7.5 TO 67.5	0.1365E-03	82.5-157.5	0.1071E-03	45	0- 75	0.8251E-03	90-165	0.6670E-03
60-75.00	0.1302E-01	-7.5 TO 67.5	0.7503E-04	82.5-157.5	0.5234E-04	60	0- 75	0.5278E-03	90-165	0.3909E-03
75-88.28	0.1235E-01	-7.5 TO 67.5	0.1829E-04	82.5-157.5	0.7686E-05	75	0- 75	0.2162E-03	90-165	0.1244E-03
0-15.00	0.2207E-02	-7.5 TO 82.5	0.2436E-03	82.5-172.5	0.2325E-03	0	0- 90	0.1461E-02	90-180	0.1461E-02
15-30.00	0.6470E-02	-7.5 TO 82.5	0.2268E-03	82.5-172.5	0.2039E-03	15	0- 90	0.1436E-02	90-180	0.1338E-02
30-45.00	0.1029E-01	-7.5 TO 82.5	0.1883E-03	82.5-172.5	0.1586E-03	30	0- 90	0.1264E-02	90-180	0.1099E-02
45-60.00	0.1341E-01	-7.5 TO 82.5	0.1343E-03	82.5-172.5	0.1054E-03	45	0- 90	0.9747E-03	90-180	0.7909E-03
60-75.00	0.1562E-01	-7.5 TO 82.5	0.7327E-04	82.5-172.5	0.5107E-04	60	0- 90	0.6198E-03	90-180	0.4613E-03
75-88.28	0.1482E-01	-7.5 TO 82.5	0.1731E-04	82.5-172.5	0.7244E-05	75	0- 90	0.2501E-03	90-180	0.1443E-03
0-15.00	0.2574E-02	-7.5 TO 97.5	0.2427E-03	82.5-187.5	0.2320E-03	0	0-105	0.1705E-02	90-195	0.1705E-02
15-30.00	0.7548E-02	-7.5 TO 97.5	0.2249E-03	82.5-187.5	0.2028E-03	15	0-105	0.1666E-02	90-195	0.1557E-02
30-45.00	0.1201E-01	-7.5 TO 97.5	0.1858E-03	82.5-187.5	0.1572E-03	30	0-105	0.1457E-02	90-195	0.1275E-02
45-60.00	0.1565E-01	-7.5 TO 97.5	0.1318E-03	82.5-187.5	0.1040E-03	45	0-105	0.1118E-02	90-195	0.9149E-03
60-75.00	0.1822E-01	-7.5 TO 97.5	0.7136E-04	82.5-187.5	0.5009E-04	60	0-105	0.7063E-03	90-195	0.5317E-03
75-88.28	0.1729E-01	-7.5 TO 97.5	0.1634E-04	82.5-187.5	0.6909E-05	75	0-105	0.2803E-03	90-195	0.1643E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

r_2/r_1 = 0.70 d/r_1 = 10.000 cosh μ_1 = 5.0255 cosh μ_2 = 7.1064 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 81.91

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3678E-03	-7.5 TO 7.5	0.2565E-03	82.5- 97.5	0.2456E-03	0	0- 15	0.2521E-03	90-105	0.2521E-03
15-30.00	0.1078E-02	-7.5 TO 7.5	0.2441E-03	82.5- 97.5	0.2212E-03	15	0- 15	0.2552E-03	90-105	0.2372E-03
30-45.00	0.1715E-02	-7.5 TO 7.5	0.2075E-03	82.5- 97.5	0.1772E-03	30	0- 15	0.2310E-03	90-105	0.2001E-03
45-60.00	0.2235E-02	-7.5 TO 7.5	0.1515E-03	82.5- 97.5	0.1215E-03	45	0- 15	0.1831E-03	90-105	0.1481E-03
60-75.00	0.2603E-02	-7.5 TO 7.5	0.8525E-04	82.5- 97.5	0.6215E-04	60	0- 15	0.1199E-03	90-105	0.8944E-04
75-88.28	0.2470E-02	-7.5 TO 7.5	0.2260E-04	82.5- 97.5	0.1094E-04	75	0- 15	0.5147E-04	90-105	0.3127E-04
0-15.00	0.7355E-03	-7.5 TO 22.5	0.2563E-03	82.5-112.5	0.2443E-03	0	0- 30	0.5041E-03	90-120	0.5041E-03
15-30.00	0.2157E-02	-7.5 TO 22.5	0.2437E-03	82.5-112.5	0.2184E-03	15	0- 30	0.5092E-03	90-120	0.4706E-03
30-45.00	0.3431E-02	-7.5 TO 22.5	0.2070E-03	82.5-112.5	0.1736E-03	30	0- 30	0.4600E-03	90-120	0.3939E-03
45-60.00	0.4471E-02	-7.5 TO 22.5	0.1509E-03	82.5-112.5	0.1181E-03	45	0- 30	0.3639E-03	90-120	0.2892E-03
60-75.00	0.5206E-02	-7.5 TO 22.5	0.8481E-04	82.5-112.5	0.5964E-04	60	0- 30	0.2377E-03	90-120	0.1731E-03
75-88.28	0.4939E-02	-7.5 TO 22.5	0.2235E-04	82.5-112.5	0.1001E-04	75	0- 30	0.1015E-03	90-120	0.5893E-04
0-15.00	0.1103E-02	-7.5 TO 37.5	0.2558E-03	82.5-127.5	0.2430E-03	0	0- 45	0.7562E-03	90-135	0.7562E-03
15-30.00	0.3235E-02	-7.5 TO 37.5	0.2428E-03	82.5-127.5	0.2157E-03	15	0- 45	0.7611E-03	90-135	0.7005E-03
30-45.00	0.5146E-02	-7.5 TO 37.5	0.2057E-03	82.5-127.5	0.1703E-03	30	0- 45	0.6852E-03	90-135	0.5821E-03
45-60.00	0.6706E-02	-7.5 TO 37.5	0.1497E-03	82.5-127.5	0.1150E-03	45	0- 45	0.5403E-03	90-135	0.4244E-03
60-75.00	0.7809E-02	-7.5 TO 37.5	0.8381E-04	82.5-127.5	0.5735E-04	60	0- 45	0.3517E-03	90-135	0.2519E-03
75-88.28	0.7409E-02	-7.5 TO 37.5	0.2178E-04	82.5-127.5	0.9184E-05	75	0- 45	0.1489E-03	90-135	0.8361E-04
0-15.00	0.1471E-02	-7.5 TO 52.5	0.2552E-03	82.5-142.5	0.2418E-03	0	0- 60	0.1008E-02	90-150	0.1008E-02
15-30.00	0.4313E-02	-7.5 TO 52.5	0.2414E-03	82.5-142.5	0.2134E-03	15	0- 60	0.1010E-02	90-150	0.9277E-03
30-45.00	0.6861E-02	-7.5 TO 52.5	0.2038E-03	82.5-142.5	0.1673E-03	30	0- 60	0.9051E-03	90-150	0.7660E-03
45-60.00	0.8941E-02	-7.5 TO 52.5	0.1478E-03	82.5-142.5	0.1122E-03	45	0- 60	0.7106E-03	90-150	0.5550E-03
60-75.00	0.1041E-01	-7.5 TO 52.5	0.8232E-04	82.5-142.5	0.5533E-04	60	0- 60	0.4603E-03	90-150	0.3269E-03
75-88.28	0.9879E-02	-7.5 TO 52.5	0.2094E-04	82.5-142.5	0.8466E-05	75	0- 60	0.1927E-03	90-150	0.1060E-03
0-15.00	0.1839E-02	-7.5 TO 67.5	0.2543E-03	82.5-157.5	0.2408E-03	0	0- 75	0.1260E-02	90-165	0.1260E-02
15-30.00	0.5391E-02	-7.5 TO 67.5	0.2396E-03	82.5-157.5	0.2113E-03	15	0- 75	0.1255E-02	90-165	0.1153E-02
30-45.00	0.8576E-02	-7.5 TO 67.5	0.2014E-03	82.5-157.5	0.1647E-03	30	0- 75	0.1119E-02	90-165	0.9468E-03
45-60.00	0.1118E-01	-7.5 TO 67.5	0.1453E-03	82.5-157.5	0.1098E-03	45	0- 75	0.8738E-03	90-165	0.6823E-03
60-75.00	0.1302E-01	-7.5 TO 67.5	0.8044E-04	82.5-157.5	0.5361E-04	60	0- 75	0.5627E-03	90-165	0.3993E-03
75-88.28	0.1235E-01	-7.5 TO 67.5	0.1990E-04	82.5-157.5	0.7876E-05	75	0- 75	0.2323E-03	90-165	0.1269E-03
0-15.00	0.2207E-02	-7.5 TO 82.5	0.2533E-03	82.5-172.5	0.2399E-03	0	0- 90	0.1512E-02	90-180	0.1512E-02
15-30.00	0.6470E-02	-7.5 TO 82.5	0.2375E-03	82.5-172.5	0.2096E-03	15	0- 90	0.1497E-02	90-180	0.1377E-02
30-45.00	0.1029E-01	-7.5 TO 82.5	0.1986E-03	82.5-172.5	0.1626E-03	30	0- 90	0.1326E-02	90-180	0.1126E-02
45-60.00	0.1341E-01	-7.5 TO 82.5	0.1426E-03	82.5-172.5	0.1078E-03	45	0- 90	0.1029E-02	90-180	0.8080E-03
60-75.00	0.1562E-01	-7.5 TO 82.5	0.7830E-04	82.5-172.5	0.5221E-04	60	0- 90	0.6585E-03	90-180	0.4704E-03
75-88.28	0.1482E-01	-7.5 TO 82.5	0.1877E-04	82.5-172.5	0.7409E-05	75	0- 90	0.2677E-03	90-180	0.1471E-03
0-15.00	0.2574E-02	-7.5 TO 97.5	0.2522E-03	82.5-187.5	0.2393E-03	0	0-105	0.1764E-02	90-195	0.1764E-02
15-30.00	0.7548E-02	-7.5 TO 97.5	0.2351E-03	82.5-187.5	0.2083E-03	15	0-105	0.1734E-02	90-195	0.1602E-02
30-45.00	0.1201E-01	-7.5 TO 97.5	0.1955E-03	82.5-187.5	0.1610E-03	30	0-105	0.1526E-02	90-195	0.1305E-02
45-60.00	0.1565E-01	-7.5 TO 97.5	0.1396E-03	82.5-187.5	0.1063E-03	45	0-105	0.1178E-02	90-195	0.9337E-03
60-75.00	0.1822E-01	-7.5 TO 97.5	0.7599E-04	82.5-187.5	0.5113E-04	60	0-105	0.7479E-03	90-195	0.5415E-03
75-88.28	0.1729E-01	-7.5 TO 97.5	0.1765E-04	82.5-187.5	0.7055E-05	75	0-105	0.2990E-03	90-195	0.1672E-03

r_2/r_1 = 0.70 d/r_1 = 10.000 cosh μ_1 = 5.0255 cosh μ_2 = 7.1064 $\alpha_{2,max}$ = 91.72 $\theta_{2,min}$ = 80.21

0-15.00	0.3678E-03	-7.5 TO 7.5	0.2565E-03	82.5- 97.5	0.2456E-03	0	0- 15	0.2521E-03	90-105	0.2521E-03
15-30.00	0.1078E-02	-7.5 TO 7.5	0.2441E-03	82.5- 97.5	0.2212E-03	15	0- 15	0.2552E-03	90-105	0.2372E-03
30-45.00	0.1715E-02	-7.5 TO 7.5	0.2075E-03	82.5- 97.5	0.1772E-03	30	0- 15	0.2310E-03	90-105	0.2001E-03
45-60.00	0.2235E-02	-7.5 TO 7.5	0.1515E-03	82.5- 97.5	0.1215E-03	45	0- 15	0.1831E-03	90-105	0.1481E-03
60-75.00	0.2603E-02	-7.5 TO 7.5	0.8529E-04	82.5- 97.5	0.6215E-04	60	0- 15	0.1199E-03	90-105	0.8944E-04
75-88.28	0.2470E-02	-7.5 TO 7.5	0.2262E-04	82.5- 97.5	0.1094E-04	75	0- 15	0.5151E-04	90-105	0.3127E-04
0-15.00	0.7355E-03	-7.5 TO 22.5	0.2563E-03	82.5-112.5	0.2443E-03	0	0- 30	0.5041E-03	90-120	0.5041E-03
15-30.00	0.2157E-02	-7.5 TO 22.5	0.2437E-03	82.5-112.5	0.2184E-03	15	0- 30	0.5092E-03	90-120	0.4706E-03
30-45.00	0.3431E-02	-7.5 TO 22.5	0.2070E-03	82.5-112.5	0.1736E-03	30	0- 30	0.4600E-03	90-120	0.3939E-03
45-60.00	0.4471E-02	-7.5 TO 22.5	0.1509E-03	82.5-112.5	0.1181E-03	45	0- 30	0.3639E-03	90-120	0.2892E-03
60-75.00	0.5206E-02	-7.5 TO 22.5	0.8484E-04	82.5-112.5	0.5964E-04	60	0- 30	0.2378E-03	90-120	0.1731E-03
75-88.28	0.4939E-02	-7.5 TO 22.5	0.2237E-04	82.5-112.5	0.1001E-04	75	0- 30	0.1016E-03	90-120	0.5893E-04
0-15.00	0.1103E-02	-7.5 TO 37.5	0.2558E-03	82.5-127.5	0.2430E-03	0	0- 45	0.7562E-03	90-135	0.7562E-03
15-30.00	0.3235E-02	-7.5 TO 37.5	0.2428E-03	82.5-127.5	0.2157E-03	15	0- 45	0.7611E-03	90-135	0.7005E-03
30-45.00	0.5146E-02	-7.5 TO 37.5	0.2057E-03	82.5-127.5	0.1703E-03	30	0- 45	0.6852E-03	90-135	0.5821E-03
45-60.00	0.6706E-02	-7.5 TO 37.5	0.1497E-03	82.5-127.5	0.1150E-03	45	0- 45	0.5403E-03	90-135	0.4244E-03
60-75.00	0.7809E-02	-7.5 TO 37.5	0.8383E-04	82.5-127.5	0.5735E-04	60	0- 45	0.3517E-03	90-135	0.2519E-03
75-88.28	0.7409E-02	-7.5 TO 37.5	0.2179E-04	82.5-127.5	0.9184E-05	75	0- 45	0.1490E-03	90-135	0.8361E-04
0-15.00	0.1471E-02	-7.5 TO 52.5	0.2552E-03	82.5-142.5	0.2418E-03	0	0- 60	0.1008E-02	90-150	0.1008E-02
15-30.00	0.4313E-02	-7.5 TO 52.5	0.2414E-03	82.5-142.5	0.2134E-03	15	0- 60	0.1010E-02	90-150	0.9277E-03
30-45.00	0.6861E-02	-7.5 TO 52.5	0.2038E-03	82.5-142.5	0.1673E-03	30	0- 60	0.9051E-03	90-150	0.7660E-03
45-60.00	0.8941E-02	-7.5 TO 52.5	0.1478E-03	82.5-142.5	0.1122E-03	45	0- 60	0.7106E-03	90-150	0.5550E-03
60-75.00	0.1041E-01	-7.5 TO 52.5	0.8234E-04	82.5-142.5	0.5533E-04	60	0- 60	0.4603E-03	90-150	0.3269E-03
75-88.28	0.9879E-02	-7.5 TO 52.5	0.2095E-04	82.5-142.5	0.8466E-05	75	0- 60	0.1928E-03	90-150	0.1060E-03
0-15.00	0.1839E-02	-7.5 TO 67.5	0.2543E-03	82.5-157.5	0.2408E-03	0	0- 75	0.1260E-02	90-165	0.1260E-02
15-30.00	0.5391E-02	-7.5 TO 67.5	0.2396E-03	82.5-157.5	0.2113E-03	15	0- 75	0.1255E-02	90-165	0.1153E-02
30-45.00	0.8576E-02	-7.5 TO 67.5	0.2014E-03	82.5-157.5	0.1647E-03	30	0- 75	0.1119E-02	90-165	0.9468E-03
45-60.00	0.1118E-01	-7.5 TO 67.5	0.1454E-03	82.5-157.5	0.1098E-03	45	0- 75	0.8738E-03	90-165	0.6823E-03
60-75.00	0.1302E-01	-7.5 TO 67.5	0.8046E-04	82.5-157.5	0.5361E-04	60	0- 75	0.5627E-03	90-165	0.3993E-03
75-88.28	0.1235E-01	-7.5 TO 67.5	0.1991E-04	82.5-157.5	0.7876E-05	75	0- 75	0.2324E-03	90-165	0.1269E-03
0-15.00	0.2207E-02	-7.5 TO 82.5	0.2533E-03	82.5-172.5	0.2399E-03	0	0- 90	0.1512E-02	90-180	0.1512E-02
15-30.00	0.6470E-02	-7.5 TO 82.5	0.2375E-03	82.5-172.5	0.2096E-03	15	0- 90	0.1497E-02	90-180	0.1377E-02
30-45.00	0.1029E-01	-7.5 TO 82.5	0.1986E-03	82.5-172.5	0.1626E-03	30	0- 90	0.1326E-02	90-180	0.1126E-02
45-60.00	0.1341E-01	-7.5 TO 82.5	0.1426E-03	82.5-172.5	0.1078E-03	45	0- 90	0.1029E-02	90-180	0.8080E-03
60-75.00	0.1562E-01	-7.5 TO 82.5	0.7831E-04	82.5-172.5	0.5221E-04	60	0- 90	0.6585E-03	90-180	0.4704E-03
75-88.28	0.1482E-01	-7.5 TO 82.5	0.1877E-04	82.5-172.5	0.7409E-05	75	0- 90	0.2677E-03	90-180	0.1471E-03
0-15.00	0.2574E-02	-7.5 TO 97.5	0.2522E-03	82.5-187.5	0.2393E-03	0	0-105	0.1764E-02	90-195	0.1764E-02
15-30.00	0.7548E-02	-7.5 TO 97.5	0.2351E-03	82.5-187.5	0.2083E-03	15	0-105	0.1734E-02	90-195	0.1602E-02
30-45.00	0.1201E-01	-7.5 TO 97.5	0.1955E-03	82.5-187.5	0.1610E-03	30	0-105	0.1526E-02	90-195	0.1305E-02
45-60.00	0.1565E-01	-7.5 TO 97.5	0.1396E-03	82.5-187.5	0.1063E-03	45	0-105	0.1178E-02	90-195	0.9337E-03
60-75.00	0.1822E-01	-7.5 TO 97.5	0.7600E-04	82.5-187.5	0.5113E-04	60	0-105	0.7479E-03	90-195	0.5415E-03
75-88.28	0.1729E-01	-7.5 TO 97.5	0.1765E-04	82.5-187.5	0.7055E-05	75	0-105	0.2990E-03	90-195	0.1672E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

r_2/r_1 = 0.70 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0127 $\cosh \mu_2$ = 14.2675 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 163.92

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8588E-04	-7.5 TO 7.5	0.4000E-05	82.5- 97.5	0.3988E-05	0	0- 15	0.4073E-05	90-105	0.4073E-05
15-30.00	0.2635E-03	-7.5 TO 7.5	0.3685E-05	82.5- 97.5	0.3659E-05	15	0- 15	0.3921E-05	90-105	0.3901E-05
30-45.00	0.4192E-03	-7.5 TO 7.5	0.3079E-05	82.5- 97.5	0.3043E-05	30	0- 15	0.3448E-05	90-105	0.3413E-05
45-60.00	0.5463E-03	-7.5 TO 7.5	0.2256E-05	82.5- 97.5	0.2217E-05	45	0- 15	0.2715E-05	90-105	0.2671E-05
60-75.00	0.6361E-03	-7.5 TO 7.5	0.1305E-05	82.5- 97.5	1.1271E-05	60	0- 15	0.1806E-05	90-105	0.1763E-05
75-89.14	0.6431E-03	-7.5 TO 7.5	0.3558E-06	82.5- 97.5	1.3312E-06	75	0- 15	0.8163E-06	90-105	0.7815E-06
0-15.00	0.1768E-03	-7.5 TO 22.5	0.4000E-05	82.5-112.5	0.3986E-05	0	0- 30	0.8146E-05	90-120	0.8146E-05
15-30.00	0.5270E-03	-7.5 TO 22.5	0.3684E-05	82.5-112.5	0.3655E-05	15	0- 30	0.7841E-05	90-120	0.7797E-05
30-45.00	0.8383E-03	-7.5 TO 22.5	0.3079E-05	82.5-112.5	0.3039E-05	30	0- 30	0.6895E-05	90-120	0.6817E-05
45-60.00	0.1093E-02	-7.5 TO 22.5	0.2255E-05	82.5-112.5	0.2212E-05	45	0- 30	0.5427E-05	90-120	0.5333E-05
60-75.00	0.1272E-02	-7.5 TO 22.5	0.1305E-05	82.5-112.5	0.1266E-05	60	0- 30	0.3609E-05	90-120	0.3517E-05
75-89.14	0.1286E-02	-7.5 TO 22.5	0.3593E-06	82.5-112.5	0.3281E-06	75	0- 30	0.1631E-05	90-120	0.1555E-05
0-15.00	0.2696E-03	-7.5 TO 37.5	0.3999E-05	82.5-127.5	0.3985E-05	0	0- 45	0.1222E-04	90-135	0.1222E-04
15-30.00	0.7905E-03	-7.5 TO 37.5	0.3683E-05	82.5-127.5	0.3652E-05	15	0- 45	0.1176E-04	90-135	0.1169E-04
30-45.00	0.1258E-02	-7.5 TO 37.5	0.3077E-05	82.5-127.5	0.3034E-05	30	0- 45	0.1034E-04	90-135	0.1021E-04
45-60.00	0.1639E-02	-7.5 TO 37.5	0.2254E-05	82.5-127.5	0.2207E-05	45	0- 45	0.8134E-05	90-135	0.7986E-05
60-75.00	0.1908E-02	-7.5 TO 37.5	0.1303E-05	82.5-127.5	0.1262E-05	60	0- 45	0.5408E-05	90-135	0.5263E-05
75-89.14	0.1929E-02	-7.5 TO 37.5	0.3544E-06	82.5-127.5	0.3251E-06	75	0- 45	0.2441E-05	90-135	0.2322E-05
0-15.00	0.3595E-03	-7.5 TO 52.5	0.3999E-05	82.5-142.5	0.3983E-05	0	0- 60	0.1629E-04	90-150	0.1629E-04
15-30.00	0.1054E-02	-7.5 TO 52.5	0.3682E-05	82.5-142.5	0.3649E-05	15	0- 60	0.1567E-04	90-150	0.1558E-04
30-45.00	0.1677E-02	-7.5 TO 52.5	0.3075E-05	82.5-142.5	0.3030E-05	30	0- 60	0.1377E-04	90-150	0.1361E-04
45-60.00	0.2185E-02	-7.5 TO 52.5	0.2251E-05	82.5-142.5	0.2203E-05	45	0- 60	0.1083E-04	90-150	0.1063E-04
60-75.00	0.2545E-02	-7.5 TO 52.5	0.1301E-05	82.5-142.5	0.1258E-05	60	0- 60	0.7199E-05	90-150	0.7001E-05
75-89.14	0.2572E-02	-7.5 TO 52.5	0.3529E-06	82.5-142.5	0.3223E-06	75	0- 60	0.3245E-05	90-150	0.3083E-05
0-15.00	0.4494E-03	-7.5 TO 67.5	0.3998E-05	82.5-157.5	0.3982E-05	0	0- 75	0.2036E-04	90-165	0.2036E-04
15-30.00	0.1318E-02	-7.5 TO 67.5	0.3680E-05	82.5-157.5	0.3646E-05	15	0- 75	0.1958E-04	90-165	0.1946E-04
30-45.00	0.2096E-02	-7.5 TO 67.5	0.3072E-05	82.5-157.5	0.3027E-05	30	0- 75	0.1720E-04	90-165	0.1699E-04
45-60.00	0.2731E-02	-7.5 TO 67.5	0.2248E-05	82.5-157.5	0.2199E-05	45	0- 75	0.1352E-04	90-165	0.1327E-04
60-75.00	0.3181E-02	-7.5 TO 67.5	0.1299E-05	82.5-157.5	0.1255E-05	60	0- 75	0.8982E-05	90-165	0.8735E-05
75-89.14	0.3216E-02	-7.5 TO 67.5	0.3510E-06	82.5-157.5	0.3199E-06	75	0- 75	0.4042E-05	90-165	0.3840E-05
0-15.00	0.5393E-03	-7.5 TO 82.5	0.3997E-05	82.5-172.5	0.3981E-05	0	0- 90	0.2444E-04	90-180	0.2444E-04
15-30.00	0.1581E-02	-7.5 TO 82.5	0.3677E-05	82.5-172.5	0.3644E-05	15	0- 90	0.2349E-04	90-180	0.2335E-04
30-45.00	0.2515E-02	-7.5 TO 82.5	0.3069E-05	82.5-172.5	0.3024E-05	30	0- 90	0.2062E-04	90-180	0.2038E-04
45-60.00	0.3278E-02	-7.5 TO 82.5	0.2245E-05	82.5-172.5	0.2196E-05	45	0- 90	0.1621E-04	90-180	0.1591E-04
60-75.00	0.3817E-02	-7.5 TO 82.5	0.1295E-05	82.5-172.5	0.1252E-05	60	0- 90	0.1076E-04	90-180	0.1047E-04
75-89.14	0.3859E-02	-7.5 TO 82.5	0.3488E-06	82.5-172.5	0.3179E-06	75	0- 90	0.4832E-05	90-180	0.4596E-05
0-15.00	0.6291E-03	-7.5 TO 97.5	0.3995E-05	82.5-187.5	0.3980E-05	0	0-105	0.2851E-04	90-195	0.2851E-04
15-30.00	0.1845E-02	-7.5 TO 97.5	0.3675E-05	82.5-187.5	0.3643E-05	15	0-105	0.2739E-04	90-195	0.2724E-04
30-45.00	0.2934E-02	-7.5 TO 97.5	0.3065E-05	82.5-187.5	0.3021E-05	30	0-105	0.2404E-04	90-195	0.2376E-04
45-60.00	0.3824E-02	-7.5 TO 97.5	0.2241E-05	82.5-187.5	0.2194E-05	45	0-105	0.1888E-04	90-195	0.1855E-04
60-75.00	0.4453E-02	-7.5 TO 97.5	0.1292E-05	82.5-187.5	0.1249E-05	60	0-105	0.1252E-04	90-195	0.1220E-04
75-89.14	0.4502E-02	-7.5 TO 97.5	0.3463E-06	82.5-187.5	0.3164E-06	75	0-105	0.5613E-05	90-195	0.5351E-05

r_2/r_1 = 0.70 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0127 $\cosh \mu_2$ = 14.2675 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 147.93

0-15.00	0.8588E-04	-7.5 TO 7.5	0.1486E-04	82.5- 97.5	0.1477E-04	0	0- 15	0.1508E-04	90-105	0.1508E-04
15-30.00	0.2635E-03	-7.5 TO 7.5	0.1374E-04	82.5- 97.5	0.1355E-04	15	0- 15	0.1459E-04	90-105	0.1444E-04
30-45.00	0.4192E-03	-7.5 TO 7.5	0.1154E-04	82.5- 97.5	0.1127E-04	30	0- 15	0.1289E-04	90-105	0.1262E-04
45-60.00	0.5463E-03	-7.5 TO 7.5	0.8498E-05	82.5- 97.5	0.8212E-05	45	0- 15	0.1020E-04	90-105	0.9875E-05
60-75.00	0.6361E-03	-7.5 TO 7.5	0.4962E-05	82.5- 97.5	0.4707E-05	60	0- 15	0.6827E-05	90-105	0.6514E-05
75-89.14	0.6431E-03	-7.5 TO 7.5	0.1406E-05	82.5- 97.5	0.1228E-05	75	0- 15	0.3136E-05	90-105	0.2882E-05
0-15.00	0.1768E-03	-7.5 TO 22.5	0.1485E-04	82.5-112.5	0.1475E-04	0	0- 30	0.3016E-04	90-120	0.3016E-04
15-30.00	0.5270E-03	-7.5 TO 22.5	0.1374E-04	82.5-112.5	0.1352E-04	15	0- 30	0.2916E-04	90-120	0.2884E-04
30-45.00	0.8383E-03	-7.5 TO 22.5	0.1153E-04	82.5-112.5	0.1124E-04	30	0- 30	0.2576E-04	90-120	0.2519E-04
45-60.00	0.1093E-02	-7.5 TO 22.5	0.8493E-05	82.5-112.5	0.8175E-05	45	0- 30	0.2037E-04	90-120	0.1968E-04
60-75.00	0.1272E-02	-7.5 TO 22.5	0.4958E-05	82.5-112.5	0.4675E-05	60	0- 30	0.1364E-04	90-120	0.1296E-04
75-89.14	0.1286E-02	-7.5 TO 22.5	0.1403E-05	82.5-112.5	0.1205E-05	75	0- 30	0.6257E-05	90-120	0.5707E-05
0-15.00	0.2696E-03	-7.5 TO 37.5	0.1485E-04	82.5-127.5	0.1474E-04	0	0- 45	0.4524E-04	90-135	0.4524E-04
15-30.00	0.7905E-03	-7.5 TO 37.5	0.1373E-04	82.5-127.5	0.1350E-04	15	0- 45	0.4372E-04	90-135	0.4321E-04
30-45.00	0.1258E-02	-7.5 TO 37.5	0.1152E-04	82.5-127.5	0.1120E-04	30	0- 45	0.3860E-04	90-135	0.3770E-04
45-60.00	0.1639E-02	-7.5 TO 37.5	0.8482E-05	82.5-127.5	0.8141E-05	45	0- 45	0.3051E-04	90-135	0.2942E-04
60-75.00	0.1908E-02	-7.5 TO 37.5	0.4948E-05	82.5-127.5	0.4644E-05	60	0- 45	0.2041E-04	90-135	0.1934E-04
75-89.14	0.1929E-02	-7.5 TO 37.5	0.1396E-05	82.5-127.5	0.1184E-05	75	0- 45	0.9347E-05	90-135	0.8484E-05
0-15.00	0.3595E-03	-7.5 TO 52.5	0.1485E-04	82.5-142.5	0.1473E-04	0	0- 60	0.6032E-04	90-150	0.6032E-04
15-30.00	0.1054E-02	-7.5 TO 52.5	0.1372E-04	82.5-142.5	0.1348E-04	15	0- 60	0.5825E-04	90-150	0.5756E-04
30-45.00	0.1677E-02	-7.5 TO 52.5	0.1151E-04	82.5-142.5	0.1117E-04	30	0- 60	0.5139E-04	90-150	0.5016E-04
45-60.00	0.2185E-02	-7.5 TO 52.5	0.8465E-05	82.5-142.5	0.8109E-05	45	0- 60	0.4059E-04	90-150	0.3911E-04
60-75.00	0.2545E-02	-7.5 TO 52.5	0.4932E-05	82.5-142.5	0.4616E-05	60	0- 60	0.2713E-04	90-150	0.2568E-04
75-89.14	0.2572E-02	-7.5 TO 52.5	0.1386E-05	82.5-142.5	0.1165E-05	75	0- 60	0.1240E-04	90-150	0.1122E-04
0-15.00	0.4494E-03	-7.5 TO 67.5	0.1484E-04	82.5-157.5	0.1472E-04	0	0- 75	0.7540E-04	90-165	0.7540E-04
15-30.00	0.1318E-02	-7.5 TO 67.5	0.1370E-04	82.5-157.5	0.1346E-04	15	0- 75	0.7276E-04	90-165	0.7189E-04
30-45.00	0.2096E-02	-7.5 TO 67.5	0.1148E-04	82.5-157.5	0.1115E-04	30	0- 75	0.6414E-04	90-165	0.6260E-04
45-60.00	0.2731E-02	-7.5 TO 67.5	0.8443E-05	82.5-157.5	0.8081E-05	45	0- 75	0.5061E-04	90-165	0.4876E-04
60-75.00	0.3181E-02	-7.5 TO 67.5	0.4913E-05	82.5-157.5	0.4591E-05	60	0- 75	0.3378E-04	90-165	0.3198E-04
75-89.14	0.3216E-02	-7.5 TO 67.5	0.1372E-05	82.5-157.5	0.1148E-05	75	0- 75	0.1539E-04	90-165	0.1393E-04
0-15.00	0.5393E-03	-7.5 TO 82.5	0.1483E-04	82.5-172.5	0.1472E-04	0	0- 90	0.9049E-04	90-180	0.9049E-04
15-30.00	0.1581E-02	-7.5 TO 82.5	0.1369E-04	82.5-172.5	0.1344E-04	15	0- 90	0.8723E-04	90-180	0.8621E-04
30-45.00	0.2515E-02	-7.5 TO 82.5	0.1146E-04	82.5-172.5	0.1113E-04	30	0- 90	0.7682E-04	90-180	0.7502E-04
45-60.00	0.3278E-02	-7.5 TO 82.5	0.8416E-05	82.5-172.5	0.8058E-05	45	0- 90	0.6056E-04	90-180	0.5839E-04
60-75.00	0.3817E-02	-7.5 TO 82.5	0.4889E-05	82.5-172.5	0.4570E-05	60	0- 90	0.4037E-04	90-180	0.3826E-04
75-89.14	0.3859E-02	-7.5 TO 82.5	0.1355E-05	82.5-172.5	0.1133E-05	75	0- 90	0.1833E-04	90-180	0.1662E-04
0-15.00	0.6291E-03	-7.5 TO 97.5	0.1482E-04	82.5-187.5	0.1471E-04	0	0-105	0.1056E-03	90-195	0.1056E-03
15-30.00	0.1845E-02	-7.5 TO 97.5	0.1367E-04	82.5-187.5	0.1343E-04	15	0-105	0.1017E-03	90-195	0.1005E-03
30-45.00	0.2934E-02	-7.5 TO 97.5	0.1143E-04	82.5-187.5	0.1111E-04	30	0-105	0.8944E-04	90-195	0.8744E-04
45-60.00	0.3824E-02	-7.5 TO 97.5	0.8387E-05	82.5-187.5	0.8040E-05	45	0-105	0.7044E-04	90-195	0.6803E-04
60-75.00	0.4453E-02	-7.5 TO 97.5	0.4863E-05	82.5-187.5	0.4555E-05	60	0-105	0.4688E-04	90-195	0.4454E-04
75-89.14	0.4502E-02	-7.5 TO 97.5	0.1337E-05	82.5-187.5	0.1122E-05	75	0-105	0.2121E-04	90-195	0.1931E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0127$ $\cosh \mu_2 = 14.2675$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 132.09$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8588E-04	-7.5 TO 7.5	0.2944E-04	82.5- 97.5	0.2917E-04	0	0- 15	0.2979E-04	90-105	0.2979E-04
15-30.00	0.2635E-03	-7.5 TO 7.5	0.2736E-04	82.5- 97.5	0.2676E-04	15	0- 15	0.2894E-04	90-105	0.2850E-04
30-45.00	0.4192E-03	-7.5 TO 7.5	0.2306E-04	82.5- 97.5	0.2227E-04	30	0- 15	0.2569E-04	90-105	0.2491E-04
45-60.00	0.5463E-03	-7.5 TO 7.5	0.1707E-04	82.5- 97.5	0.1623E-04	45	0- 15	0.2042E-04	90-105	0.1948E-04
60-75.00	0.6361E-03	-7.5 TO 7.5	0.1005E-04	82.5- 97.5	0.9305E-05	60	0- 15	0.1376E-04	90-105	0.1284E-04
75-89.14	0.6431E-03	-7.5 TO 7.5	0.2940E-05	82.5- 97.5	0.2430E-05	75	0- 15	0.6407E-05	90-105	0.5673E-05
0-15.00	0.1798E-03	-7.5 TO 22.5	0.2943E-04	82.5-112.5	0.2913E-04	0	0- 30	0.5958E-04	90-120	0.5958E-04
15-30.00	0.5270E-03	-7.5 TO 22.5	0.2733E-04	82.5-112.5	0.2669E-04	15	0- 30	0.5786E-04	90-120	0.5690E-04
30-45.00	0.8383E-03	-7.5 TO 22.5	0.2304E-04	82.5-112.5	0.2217E-04	30	0- 30	0.5133E-04	90-120	0.4964E-04
45-60.00	0.1093E-02	-7.5 TO 22.5	0.1706E-04	82.5-112.5	0.1612E-04	45	0- 30	0.4079E-04	90-120	0.3874E-04
60-75.00	0.1272E-02	-7.5 TO 22.5	0.1003E-04	82.5-112.5	0.9212E-05	60	0- 30	0.2746E-04	90-120	0.2548E-04
75-89.14	0.1286E-02	-7.5 TO 22.5	0.2931E-05	82.5-112.5	0.2367E-05	75	0- 30	0.1277E-04	90-120	0.1119E-04
0-15.00	0.2696E-03	-7.5 TO 37.5	0.2942E-04	82.5-127.5	0.2910E-04	0	0- 45	0.8937E-04	90-135	0.8937E-04
15-30.00	0.7905E-03	-7.5 TO 37.5	0.2730E-04	82.5-127.5	0.2662E-04	15	0- 45	0.8672E-04	90-135	0.8521E-04
30-45.00	0.1258E-02	-7.5 TO 37.5	0.2301E-04	82.5-127.5	0.2207E-04	30	0- 45	0.7688E-04	90-135	0.7422E-04
45-60.00	0.1639E-02	-7.5 TO 37.5	0.1702E-04	82.5-127.5	0.1602E-04	45	0- 45	0.6104E-04	90-135	0.5783E-04
60-75.00	0.1908E-02	-7.5 TO 37.5	0.1001E-04	82.5-127.5	0.9123E-05	60	0- 45	0.4105E-04	90-135	0.3795E-04
75-89.14	0.1929E-02	-7.5 TO 37.5	0.2911E-05	82.5-127.5	0.2307E-05	75	0- 45	0.1904E-04	90-135	0.1656E-04
0-15.00	0.3595E-03	-7.5 TO 52.5	0.2941E-04	82.5-142.5	0.2907E-04	0	0- 60	0.1192E-03	90-150	0.1192E-03
15-30.00	0.1054E-02	-7.5 TO 52.5	0.2727E-04	82.5-142.5	0.2656E-04	15	0- 60	0.1155E-03	90-150	0.1134E-03
30-45.00	0.1677E-02	-7.5 TO 52.5	0.2296E-04	82.5-142.5	0.2198E-04	30	0- 60	0.1023E-03	90-150	0.9867E-04
45-60.00	0.2185E-02	-7.5 TO 52.5	0.1697E-04	82.5-142.5	0.1593E-04	45	0- 60	0.8114E-04	90-150	0.7676E-04
60-75.00	0.2545E-02	-7.5 TO 52.5	0.9961E-05	82.5-142.5	0.9043E-05	60	0- 60	0.5449E-04	90-150	0.5027E-04
75-89.14	0.2572E-02	-7.5 TO 52.5	0.2880E-05	82.5-142.5	0.2253E-05	75	0- 60	0.2519E-04	90-150	0.2182E-04
0-15.00	0.4494E-03	-7.5 TO 67.5	0.2938E-04	82.5-157.5	0.2904E-04	0	0- 75	0.1489E-03	90-165	0.1489E-03
15-30.00	0.1318E-02	-7.5 TO 67.5	0.2723E-04	82.5-157.5	0.2650E-04	15	0- 75	0.1442E-03	90-165	0.1416E-03
30-45.00	0.2096E-02	-7.5 TO 67.5	0.2290E-04	82.5-157.5	0.2191E-04	30	0- 75	0.1276E-03	90-165	0.1230E-03
45-60.00	0.2731E-02	-7.5 TO 67.5	0.1691E-04	82.5-157.5	0.1585E-04	45	0- 75	0.1010E-03	90-165	0.9558E-04
60-75.00	0.3181E-02	-7.5 TO 67.5	0.9903E-05	82.5-157.5	0.8972E-05	60	0- 75	0.6775E-04	90-165	0.6248E-04
75-89.14	0.3216E-02	-7.5 TO 67.5	0.2840E-05	82.5-157.5	0.2205E-05	75	0- 75	0.3120E-04	90-165	0.2700E-04
0-15.00	0.5393E-03	-7.5 TO 82.5	0.2936E-04	82.5-172.5	0.2902E-04	0	0- 90	0.1787E-03	90-180	0.1787E-03
15-30.00	0.1581E-02	-7.5 TO 82.5	0.2717E-04	82.5-172.5	0.2645E-04	15	0- 90	0.1728E-03	90-180	0.1698E-03
30-45.00	0.2515E-02	-7.5 TO 82.5	0.2283E-04	82.5-172.5	0.2184E-04	30	0- 90	0.1527E-03	90-180	0.1473E-03
45-60.00	0.3278E-02	-7.5 TO 82.5	0.1683E-04	82.5-172.5	0.1578E-04	45	0- 90	0.1207E-03	90-180	0.1144E-03
60-75.00	0.3817E-02	-7.5 TO 82.5	0.9835E-05	82.5-172.5	0.8913E-05	60	0- 90	0.8080E-04	90-180	0.7465E-04
75-89.14	0.3859E-02	-7.5 TO 82.5	0.2793E-05	82.5-172.5	0.2165E-05	75	0- 90	0.3704E-04	90-180	0.3214E-04
0-15.00	0.6291E-03	-7.5 TO 97.5	0.2934E-04	82.5-187.5	0.2901E-04	0	0-105	0.2085E-03	90-195	0.2085E-03
15-30.00	0.1845E-02	-7.5 TO 97.5	0.2711E-04	82.5-187.5	0.2642E-04	15	0-105	0.2013E-03	90-195	0.1980E-03
30-45.00	0.2934E-02	-7.5 TO 97.5	0.2275E-04	82.5-187.5	0.2179E-04	30	0-105	0.1776E-03	90-195	0.1717E-03
45-60.00	0.3824E-02	-7.5 TO 97.5	0.1674E-04	82.5-187.5	0.1573E-04	45	0-105	0.1402E-03	90-195	0.1331E-03
60-75.00	0.4453E-02	-7.5 TO 97.5	0.9759E-05	82.5-187.5	0.8868E-05	60	0-105	0.9364E-04	90-195	0.8682E-04
75-89.14	0.4502E-02	-7.5 TO 97.5	0.2741E-05	82.5-187.5	0.2135E-05	75	0-105	0.4271E-04	90-195	0.3728E-04

$r_2/r_1 = 0.70$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0127$ $\cosh \mu_2 = 14.2675$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 116.46$

0-15.00	0.8588E-04	-7.5 TO 7.5	0.4359E-04	82.5- 97.5	0.4306E-04	0	0- 15	0.4398E-04	90-105	0.4398E-04
15-30.00	0.2635E-03	-7.5 TO 7.5	0.4065E-04	82.5- 97.5	0.3951E-04	15	0- 15	0.4293E-04	90-105	0.4205E-04
30-45.00	0.4192E-03	-7.5 TO 7.5	0.3444E-04	82.5- 97.5	0.3288E-04	30	0- 15	0.3828E-04	90-105	0.3673E-04
45-60.00	0.5463E-03	-7.5 TO 7.5	0.2562E-04	82.5- 97.5	0.2397E-04	45	0- 15	0.3057E-04	90-105	0.2871E-04
60-75.00	0.6361E-03	-7.5 TO 7.5	0.1518E-04	82.5- 97.5	0.1375E-04	60	0- 15	0.2071E-04	90-105	0.1892E-04
75-89.14	0.6431E-03	-7.5 TO 7.5	0.4547E-05	82.5- 97.5	0.3596E-05	75	0- 15	0.9745E-05	90-105	0.8353E-05
0-15.00	0.1798E-03	-7.5 TO 22.5	0.4358E-04	82.5-112.5	0.4299E-04	0	0- 30	0.8795E-04	90-120	0.8795E-04
15-30.00	0.5270E-03	-7.5 TO 22.5	0.4063E-04	82.5-112.5	0.3937E-04	15	0- 30	0.8581E-04	90-120	0.8390E-04
30-45.00	0.8383E-03	-7.5 TO 22.5	0.3441E-04	82.5-112.5	0.3268E-04	30	0- 30	0.7647E-04	90-120	0.7312E-04
45-60.00	0.1093E-02	-7.5 TO 22.5	0.2559E-04	82.5-112.5	0.2376E-04	45	0- 30	0.6103E-04	90-120	0.5701E-04
60-75.00	0.1272E-02	-7.5 TO 22.5	0.1516E-04	82.5-112.5	0.1357E-04	60	0- 30	0.4130E-04	90-120	0.3746E-04
75-89.14	0.1286E-02	-7.5 TO 22.5	0.4530E-05	82.5-112.5	0.3480E-05	75	0- 30	0.1940E-04	90-120	0.1641E-04
0-15.00	0.2696E-03	-7.5 TO 37.5	0.4356E-04	82.5-127.5	0.4293E-04	0	0- 45	0.1319E-03	90-135	0.1319E-03
15-30.00	0.7905E-03	-7.5 TO 37.5	0.4059E-04	82.5-127.5	0.3923E-04	15	0- 45	0.1286E-03	90-135	0.1256E-03
30-45.00	0.1258E-02	-7.5 TO 37.5	0.3435E-04	82.5-127.5	0.3250E-04	30	0- 45	0.1145E-03	90-135	0.1092E-03
45-60.00	0.1639E-02	-7.5 TO 37.5	0.2553E-04	82.5-127.5	0.2357E-04	45	0- 45	0.9127E-04	90-135	0.8496E-04
60-75.00	0.1908E-02	-7.5 TO 37.5	0.1510E-04	82.5-127.5	0.1340E-04	60	0- 45	0.6168E-04	90-135	0.5566E-04
75-89.14	0.1929E-02	-7.5 TO 37.5	0.4492E-05	82.5-127.5	0.3370E-05	75	0- 45	0.2889E-04	90-135	0.2420E-04
0-15.00	0.3595E-03	-7.5 TO 52.5	0.4353E-04	82.5-142.5	0.4287E-04	0	0- 60	0.1759E-03	90-150	0.1759E-03
15-30.00	0.1054E-02	-7.5 TO 52.5	0.4052E-04	82.5-142.5	0.3910E-04	15	0- 60	0.1712E-03	90-150	0.1671E-03
30-45.00	0.1677E-02	-7.5 TO 52.5	0.3426E-04	82.5-142.5	0.3232E-04	30	0- 60	0.1522E-03	90-150	0.1450E-03
45-60.00	0.2185E-02	-7.5 TO 52.5	0.2543E-04	82.5-142.5	0.2339E-04	45	0- 60	0.1212E-03	90-150	0.1126E-03
60-75.00	0.2545E-02	-7.5 TO 52.5	0.1501E-04	82.5-142.5	0.1325E-04	60	0- 60	0.8177E-04	90-150	0.7358E-04
75-89.14	0.2572E-02	-7.5 TO 52.5	0.4434E-05	82.5-142.5	0.3271E-05	75	0- 60	0.3815E-04	90-150	0.3179E-04
0-15.00	0.4494E-03	-7.5 TO 67.5	0.4349E-04	82.5-157.5	0.4282E-04	0	0- 75	0.2199E-03	90-165	0.2199E-03
15-30.00	0.1318E-02	-7.5 TO 67.5	0.4043E-04	82.5-157.5	0.3899E-04	15	0- 75	0.2137E-03	90-165	0.2085E-03
30-45.00	0.2096E-02	-7.5 TO 67.5	0.3414E-04	82.5-157.5	0.3217E-04	30	0- 75	0.1897E-03	90-165	0.1807E-03
45-60.00	0.2731E-02	-7.5 TO 67.5	0.2530E-04	82.5-157.5	0.2323E-04	45	0- 75	0.1508E-03	90-165	0.1400E-03
60-75.00	0.3181E-02	-7.5 TO 67.5	0.1490E-04	82.5-157.5	0.1312E-04	60	0- 75	0.1015E-03	90-165	0.9130E-04
75-89.14	0.3216E-02	-7.5 TO 67.5	0.4359E-05	82.5-157.5	0.3184E-05	75	0- 75	0.4713E-04	90-165	0.3922E-04
0-15.00	0.5393E-03	-7.5 TO 82.5	0.4344E-04	82.5-172.5	0.4277E-04	0	0- 90	0.2639E-03	90-180	0.2639E-03
15-30.00	0.1581E-02	-7.5 TO 82.5	0.4033E-04	82.5-172.5	0.3890E-04	15	0- 90	0.2559E-03	90-180	0.2499E-03
30-45.00	0.2515E-02	-7.5 TO 82.5	0.3399E-04	82.5-172.5	0.3205E-04	30	0- 90	0.2267E-03	90-180	0.2162E-03
45-60.00	0.3278E-02	-7.5 TO 82.5	0.2515E-04	82.5-172.5	0.2310E-04	45	0- 90	0.1799E-03	90-180	0.1674E-03
60-75.00	0.3817E-02	-7.5 TO 82.5	0.1477E-04	82.5-172.5	0.1301E-04	60	0- 90	0.1208E-03	90-180	0.1089E-03
75-89.14	0.3859E-02	-7.5 TO 82.5	0.4272E-05	82.5-172.5	0.3114E-05	75	0- 90	0.5579E-04	90-180	0.4659E-04
0-15.00	0.6291E-03	-7.5 TO 97.5	0.4339E-04	82.5-187.5	0.4274E-04	0	0-105	0.3078E-03	90-195	0.3078E-03
15-30.00	0.1845E-02	-7.5 TO 97.5	0.4021E-04	82.5-187.5	0.3883E-04	15	0-105	0.2980E-03	90-195	0.2913E-03
30-45.00	0.2934E-02	-7.5 TO 97.5	0.3383E-04	82.5-187.5	0.3195E-04	30	0-105	0.2635E-03	90-195	0.2518E-03
45-60.00	0.3824E-02	-7.5 TO 97.5	0.2498E-04	82.5-187.5	0.2300E-04	45	0-105	0.2086E-03	90-195	0.1947E-03
60-75.00	0.4453E-02	-7.5 TO 97.5	0.1462E-04	82.5-187.5	0.1292E-04	60	0-105	0.1398E-03	90-195	0.1266E-03
75-89.14	0.4502E-02	-7.5 TO 97.5	0.4175E-05	82.5-187.5	0.3059E-05	75	0-105	0.6415E-04	90-195	0.5395E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0127$ $\cosh \mu_2 = 14.2675$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 101.08$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8588E-04	-7.5 TO 7.5	0.5343E-04	82.5- 97.5	0.5260E-04	0	0- 15	0.5372E-04	90-105	0.5372E-04
15-30.00	0.2635E-03	-7.5 TO 7.5	0.5005E-04	82.5- 97.5	0.4827E-04	15	0- 15	0.5271E-04	90-105	0.5133E-04
30-45.00	0.4192E-03	-7.5 TO 7.5	0.4260E-04	82.5- 97.5	0.4018E-04	30	0- 15	0.4726E-04	90-105	0.4481E-04
45-60.00	0.5463E-03	-7.5 TO 7.5	0.3183E-04	82.5- 97.5	0.2930E-04	45	0- 15	0.3790E-04	90-105	0.3502E-04
60-75.00	0.6361E-03	-7.5 TO 7.5	0.1896E-04	82.5- 97.5	0.1681E-04	60	0- 15	0.2578E-04	90-105	0.2307E-04
75-89.14	0.6431E-03	-7.5 TO 7.5	0.5763E-05	82.5- 97.5	0.4402E-05	75	0- 15	0.1223E-04	90-105	0.1018E-04
0-15.00	0.1758E-03	-7.5 TO 22.5	0.5342E-04	82.5-112.5	0.5249E-04	0	0- 30	0.1074E-03	90-120	0.1074E-03
15-30.00	0.5270E-03	-7.5 TO 22.5	0.5002E-04	82.5-112.5	0.4805E-04	15	0- 30	0.1053E-03	90-120	0.1023E-03
30-45.00	0.8383E-03	-7.5 TO 22.5	0.4256E-04	82.5-112.5	0.3987E-04	30	0- 30	0.9433E-04	90-120	0.8909E-04
45-60.00	0.1093E-02	-7.5 TO 22.5	0.3179E-04	82.5-112.5	0.2898E-04	45	0- 30	0.7562E-04	90-120	0.6941E-04
60-75.00	0.1272E-02	-7.5 TO 22.5	0.1892E-04	82.5-112.5	0.1655E-04	60	0- 30	0.5140E-04	90-120	0.4557E-04
75-89.14	0.1286E-02	-7.5 TO 22.5	0.5739E-05	82.5-112.5	0.4239E-05	75	0- 30	0.2432E-04	90-120	0.1993E-04
0-15.00	0.2696E-03	-7.5 TO 37.5	0.5339E-04	82.5-127.5	0.5239E-04	0	0- 45	0.1612E-03	90-135	0.1612E-03
15-30.00	0.7905E-03	-7.5 TO 37.5	0.4995E-04	82.5-127.5	0.4783E-04	15	0- 45	0.1578E-03	90-135	0.1531E-03
30-45.00	0.1258E-02	-7.5 TO 37.5	0.4246E-04	82.5-127.5	0.3958E-04	30	0- 45	0.1411E-03	90-135	0.1329E-03
45-60.00	0.1639E-02	-7.5 TO 37.5	0.3169E-04	82.5-127.5	0.2868E-04	45	0- 45	0.1130E-03	90-135	0.1032E-03
60-75.00	0.1908E-02	-7.5 TO 37.5	0.1883E-04	82.5-127.5	0.1630E-04	60	0- 45	0.7669E-04	90-135	0.6755E-04
75-89.14	0.1929E-02	-7.5 TO 37.5	0.5683E-05	82.5-127.5	0.4086E-05	75	0- 45	0.3617E-04	90-135	0.2931E-04
0-15.00	0.3595E-03	-7.5 TO 52.5	0.5334E-04	82.5-142.5	0.5230E-04	0	0- 60	0.2149E-03	90-150	0.2149E-03
15-30.00	0.1054E-02	-7.5 TO 52.5	0.4985E-04	82.5-142.5	0.4763E-04	15	0- 60	0.2100E-03	90-150	0.2036E-03
30-45.00	0.1677E-02	-7.5 TO 52.5	0.4232E-04	82.5-142.5	0.3931E-04	30	0- 60	0.1875E-03	90-150	0.1763E-03
45-60.00	0.2185E-02	-7.5 TO 52.5	0.3153E-04	82.5-142.5	0.2841E-04	45	0- 60	0.1499E-03	90-150	0.1366E-03
60-75.00	0.2545E-02	-7.5 TO 52.5	0.1870E-04	82.5-142.5	0.1607E-04	60	0- 60	0.1015E-03	90-150	0.8911E-04
75-89.14	0.2572E-02	-7.5 TO 52.5	0.5600E-05	82.5-142.5	0.3948E-05	75	0- 60	0.4767E-04	90-150	0.3838E-04
0-15.00	0.4494E-03	-7.5 TO 67.5	0.5327E-04	82.5-157.5	0.5222E-04	0	0- 75	0.2686E-03	90-165	0.2686E-03
15-30.00	0.1318E-02	-7.5 TO 67.5	0.4971E-04	82.5-157.5	0.4746E-04	15	0- 75	0.2620E-03	90-165	0.2540E-03
30-45.00	0.2096E-02	-7.5 TO 67.5	0.4213E-04	82.5-157.5	0.3908E-04	30	0- 75	0.2334E-03	90-165	0.2195E-03
45-60.00	0.2731E-02	-7.5 TO 67.5	0.3134E-04	82.5-157.5	0.2817E-04	45	0- 75	0.1862E-03	90-165	0.1697E-03
60-75.00	0.3181E-02	-7.5 TO 67.5	0.1854E-04	82.5-157.5	0.1587E-04	60	0- 75	0.1258E-03	90-165	0.1104E-03
75-89.14	0.3216E-02	-7.5 TO 67.5	0.5492E-05	82.5-157.5	0.3829E-05	75	0- 75	0.5876E-04	90-165	0.4725E-04
0-15.00	0.5393E-03	-7.5 TO 82.5	0.5320E-04	82.5-172.5	0.5215E-04	0	0- 90	0.3223E-03	90-180	0.3223E-03
15-30.00	0.1581E-02	-7.5 TO 82.5	0.4955E-04	82.5-172.5	0.4731E-04	15	0- 90	0.3136E-03	90-180	0.3043E-03
30-45.00	0.2515E-02	-7.5 TO 82.5	0.4191E-04	82.5-172.5	0.3889E-04	30	0- 90	0.2788E-03	90-180	0.2625E-03
45-60.00	0.3278E-02	-7.5 TO 82.5	0.3110E-04	82.5-172.5	0.2797E-04	45	0- 90	0.2219E-03	90-180	0.2026E-03
60-75.00	0.3817E-02	-7.5 TO 82.5	0.1834E-04	82.5-172.5	0.1571E-04	60	0- 90	0.1495E-03	90-180	0.1315E-03
75-89.14	0.3859E-02	-7.5 TO 82.5	0.5367E-05	82.5-172.5	0.3733E-05	75	0- 90	0.6940E-04	90-180	0.5601E-04
0-15.00	0.6291E-03	-7.5 TO 97.5	0.5311E-04	82.5-187.5	0.5209E-04	0	0-105	0.3760E-03	90-195	0.3760E-03
15-30.00	0.1845E-02	-7.5 TO 97.5	0.4936E-04	82.5-187.5	0.4720E-04	15	0-105	0.3650E-03	90-195	0.3545E-03
30-45.00	0.2934E-02	-7.5 TO 97.5	0.4166E-04	82.5-187.5	0.3874E-04	30	0-105	0.3236E-03	90-195	0.3055E-03
45-60.00	0.3824E-02	-7.5 TO 97.5	0.3084E-04	82.5-187.5	0.2781E-04	45	0-105	0.2569E-03	90-195	0.2355E-03
60-75.00	0.4453E-02	-7.5 TO 97.5	0.1812E-04	82.5-187.5	0.1559E-04	60	0-105	0.1726E-03	90-195	0.1526E-03
75-89.14	0.4502E-02	-7.5 TO 97.5	0.5229E-05	82.5-187.5	0.3659E-05	75	0-105	0.7958E-04	90-195	0.6477E-04

$r_2/r_1 = 0.70$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0127$ $\cosh \mu_2 = 14.2675$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 85.98$

0-15.00	0.8588E-04	-7.5 TO 7.5	0.5646E-04	82.5- 97.5	0.5538E-04	0	0- 15	0.5656E-04	90-105	0.5656E-04
15-30.00	0.2635E-03	-7.5 TO 7.5	0.5315E-04	82.5- 97.5	0.5083E-04	15	0- 15	0.5580E-04	90-105	0.5400E-04
30-45.00	0.4192E-03	-7.5 TO 7.5	0.4546E-04	82.5- 97.5	0.4231E-04	30	0- 15	0.5028E-04	90-105	0.4712E-04
45-60.00	0.5463E-03	-7.5 TO 7.5	0.3412E-04	82.5- 97.5	0.3086E-04	45	0- 15	0.4053E-04	90-105	0.3681E-04
60-75.00	0.6361E-03	-7.5 TO 7.5	0.2040E-04	82.5- 97.5	0.1771E-04	60	0- 15	0.2769E-04	90-105	0.2425E-04
75-89.14	0.6431E-03	-7.5 TO 7.5	0.6240E-05	82.5- 97.5	0.4641E-05	75	0- 15	0.1318E-04	90-105	0.1070E-04
0-15.00	0.1758E-03	-7.5 TO 22.5	0.5645E-04	82.5-112.5	0.5524E-04	0	0- 30	0.1131E-03	90-120	0.1131E-03
15-30.00	0.5270E-03	-7.5 TO 22.5	0.5311E-04	82.5-112.5	0.5053E-04	15	0- 30	0.1115E-03	90-120	0.1076E-03
30-45.00	0.8383E-03	-7.5 TO 22.5	0.4540E-04	82.5-112.5	0.4192E-04	30	0- 30	0.1004E-03	90-120	0.9356E-04
45-60.00	0.1093E-02	-7.5 TO 22.5	0.3406E-04	82.5-112.5	0.3046E-04	45	0- 30	0.8083E-04	90-120	0.7282E-04
60-75.00	0.1272E-02	-7.5 TO 22.5	0.2035E-04	82.5-112.5	0.1739E-04	60	0- 30	0.5516E-04	90-120	0.4778E-04
75-89.14	0.1286E-02	-7.5 TO 22.5	0.6210E-05	82.5-112.5	0.4454E-05	75	0- 30	0.2621E-04	90-120	0.2089E-04
0-15.00	0.2696E-03	-7.5 TO 37.5	0.5640E-04	82.5-127.5	0.5511E-04	0	0- 45	0.1697E-03	90-135	0.1697E-03
15-30.00	0.7905E-03	-7.5 TO 37.5	0.5301E-04	82.5-127.5	0.5026E-04	15	0- 45	0.1670E-03	90-135	0.1609E-03
30-45.00	0.1258E-02	-7.5 TO 37.5	0.4528E-04	82.5-127.5	0.4155E-04	30	0- 45	0.1501E-03	90-135	0.1394E-03
45-60.00	0.1639E-02	-7.5 TO 37.5	0.3393E-04	82.5-127.5	0.3009E-04	45	0- 45	0.1207E-03	90-135	0.1081E-03
60-75.00	0.1908E-02	-7.5 TO 37.5	0.2024E-04	82.5-127.5	0.1709E-04	60	0- 45	0.8221E-04	90-135	0.7068E-04
75-89.14	0.1929E-02	-7.5 TO 37.5	0.6144E-05	82.5-127.5	0.4282E-05	75	0- 45	0.3892E-04	90-135	0.3065E-04
0-15.00	0.3595E-03	-7.5 TO 52.5	0.5634E-04	82.5-142.5	0.5499E-04	0	0- 60	0.2262E-03	90-150	0.2262E-03
15-30.00	0.1054E-02	-7.5 TO 52.5	0.5287E-04	82.5-142.5	0.5000E-04	15	0- 60	0.2222E-03	90-150	0.2138E-03
30-45.00	0.1677E-02	-7.5 TO 52.5	0.4509E-04	82.5-142.5	0.4121E-04	30	0- 60	0.1992E-03	90-150	0.1848E-03
45-60.00	0.2185E-02	-7.5 TO 52.5	0.3373E-04	82.5-142.5	0.2975E-04	45	0- 60	0.1599E-03	90-150	0.1429E-03
60-75.00	0.2545E-02	-7.5 TO 52.5	0.2007E-04	82.5-142.5	0.1682E-04	60	0- 60	0.1087E-03	90-150	0.9309E-04
75-89.14	0.2572E-02	-7.5 TO 52.5	0.6044E-05	82.5-142.5	0.4127E-05	75	0- 60	0.5122E-04	90-150	0.4006E-04
0-15.00	0.4494E-03	-7.5 TO 67.5	0.5625E-04	82.5-157.5	0.5488E-04	0	0- 75	0.2828E-03	90-165	0.2828E-03
15-30.00	0.1318E-02	-7.5 TO 67.5	0.5269E-04	82.5-157.5	0.4978E-04	15	0- 75	0.2770E-03	90-165	0.2666E-03
30-45.00	0.2096E-02	-7.5 TO 67.5	0.4484E-04	82.5-157.5	0.4092E-04	30	0- 75	0.2478E-03	90-165	0.2298E-03
45-60.00	0.2731E-02	-7.5 TO 67.5	0.3347E-04	82.5-157.5	0.2945E-04	45	0- 75	0.1984E-03	90-165	0.1773E-03
60-75.00	0.3181E-02	-7.5 TO 67.5	0.1986E-04	82.5-157.5	0.1658E-04	60	0- 75	0.1365E-03	90-165	0.1151E-03
75-89.14	0.3216E-02	-7.5 TO 67.5	0.5917E-05	82.5-157.5	0.3995E-05	75	0- 75	0.6300E-04	90-165	0.4923E-04
0-15.00	0.5393E-03	-7.5 TO 82.5	0.5615E-04	82.5-172.5	0.5480E-04	0	0- 90	0.3393E-03	90-180	0.3393E-03
15-30.00	0.1581E-02	-7.5 TO 82.5	0.5248E-04	82.5-172.5	0.4960E-04	15	0- 90	0.3314E-03	90-180	0.3192E-03
30-45.00	0.2515E-02	-7.5 TO 82.5	0.4455E-04	82.5-172.5	0.4068E-04	30	0- 90	0.2956E-03	90-180	0.2746E-03
45-60.00	0.3278E-02	-7.5 TO 82.5	0.3317E-04	82.5-172.5	0.2921E-04	45	0- 90	0.2360E-03	90-180	0.2115E-03
60-75.00	0.3817E-02	-7.5 TO 82.5	0.1961E-04	82.5-172.5	0.1639E-04	60	0- 90	0.1595E-03	90-180	0.1370E-03
75-89.14	0.3859E-02	-7.5 TO 82.5	0.5769E-05	82.5-172.5	0.3888E-05	75	0- 90	0.7424E-04	90-180	0.5828E-04
0-15.00	0.6291E-03	-7.5 TO 97.5	0.5604E-04	82.5-187.5	0.5473E-04	0	0-105	0.3959E-03	90-195	0.3959E-03
15-30.00	0.1845E-02	-7.5 TO 97.5	0.5224E-04	82.5-187.5	0.4946E-04	15	0-105	0.3854E-03	90-195	0.3719E-03
30-45.00	0.2934E-02	-7.5 TO 97.5	0.4423E-04	82.5-187.5	0.4049E-04	30	0-105	0.3427E-03	90-195	0.3194E-03
45-60.00	0.3824E-02	-7.5 TO 97.5	0.3284E-04	82.5-187.5	0.2902E-04	45	0-105	0.2728E-03	90-195	0.2456E-03
60-75.00	0.4453E-02	-7.5 TO 97.5	0.1934E-04	82.5-187.5	0.1624E-04	60	0-105	0.1837E-03	90-195	0.1589E-03
75-89.14	0.4502E-02	-7.5 TO 97.5	0.5608E-05	82.5-187.5	0.3806E-05	75	0-105	0.8494E-04	90-195	0.6732E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0127$ $\cosh \mu_2 = 14.2675$ $\alpha_{2,max} = 90.86$ $\theta_{2,min} = 85.12$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8988E-04	-7.5 TO 7.5	0.5646E-04	82.5- 97.5	0.5538E-04	0	0- 15	0.5656E-04	90-105	0.5656E-04
15-30.00	0.2635E-03	-7.5 TO 7.5	0.5315E-04	82.5- 97.5	0.5083E-04	15	0- 15	0.5580E-04	90-105	0.5400E-04
30-45.00	0.4192E-03	-7.5 TO 7.5	0.4546E-04	82.5- 97.5	0.4231E-04	30	0- 15	0.5028E-04	90-105	0.4712E-04
45-60.00	0.5463E-03	-7.5 TO 7.5	0.3412E-04	82.5- 97.5	0.3086E-04	45	0- 15	0.4053E-04	90-105	0.3681E-04
60-75.00	0.6361E-03	-7.5 TO 7.5	0.2040E-04	82.5- 97.5	0.1771E-04	60	0- 15	0.2769E-04	90-105	0.2425E-04
75-89.14	0.6431E-03	-7.5 TO 7.5	0.6241E-05	82.5- 97.5	0.4641E-05	75	0- 15	0.1319E-04	90-105	0.1070E-04
0-15.00	0.1798E-03	-7.5 TO 22.5	0.5645E-04	82.5-112.5	0.5524E-04	0	0- 30	0.1131E-03	90-120	0.1131E-03
15-30.00	0.5270E-03	-7.5 TO 22.5	0.5311E-04	82.5-112.5	0.5053E-04	15	0- 30	0.1115E-03	90-120	0.1076E-03
30-45.00	0.8383E-03	-7.5 TO 22.5	0.4540E-04	82.5-112.5	0.4192E-04	30	0- 30	0.1004E-03	90-120	0.9356E-04
45-60.00	0.1093E-02	-7.5 TO 22.5	0.3406E-04	82.5-112.5	0.3046E-04	45	0- 30	0.8083E-04	90-120	0.7282E-04
60-75.00	0.1272E-02	-7.5 TO 22.5	0.2035E-04	82.5-112.5	0.1739E-04	60	0- 30	0.5516E-04	90-120	0.4778E-04
75-89.14	0.1286E-02	-7.5 TO 22.5	0.6211E-05	82.5-112.5	0.4454E-05	75	0- 30	0.2621E-04	90-120	0.2089E-04
0-15.00	0.2696E-03	-7.5 TO 37.5	0.5640E-04	82.5-127.5	0.5511E-04	0	0- 45	0.1697E-03	90-135	0.1697E-03
15-30.00	0.7905E-03	-7.5 TO 37.5	0.5301E-04	82.5-127.5	0.5026E-04	15	0- 45	0.1670E-03	90-135	0.1609E-03
30-45.00	0.1258E-02	-7.5 TO 37.5	0.4528E-04	82.5-127.5	0.4155E-04	30	0- 45	0.1501E-03	90-135	0.1394E-03
45-60.00	0.1639E-02	-7.5 TO 37.5	0.3393E-04	82.5-127.5	0.3009E-04	45	0- 45	0.1207E-03	90-135	0.1081E-03
60-75.00	0.1908E-02	-7.5 TO 37.5	0.2024E-04	82.5-127.5	0.1709E-04	60	0- 45	0.8222E-04	90-135	0.7068E-04
75-89.14	0.1929E-02	-7.5 TO 37.5	0.6144E-05	82.5-127.5	0.4282E-05	75	0- 45	0.3893E-04	90-135	0.3065E-04
0-15.00	0.3595E-03	-7.5 TO 52.5	0.5634E-04	82.5-142.5	0.5499E-04	0	0- 60	0.2262E-03	90-150	0.2262E-03
15-30.00	0.1054E-02	-7.5 TO 52.5	0.5287E-04	82.5-142.5	0.5000E-04	15	0- 60	0.2222E-03	90-150	0.2138E-03
30-45.00	0.1677E-02	-7.5 TO 52.5	0.4509E-04	82.5-142.5	0.4121E-04	30	0- 60	0.1992E-03	90-150	0.1848E-03
45-60.00	0.2185E-02	-7.5 TO 52.5	0.3373E-04	82.5-142.5	0.2975E-04	45	0- 60	0.1599E-03	90-150	0.1429E-03
60-75.00	0.2545E-02	-7.5 TO 52.5	0.2008E-04	82.5-142.5	0.1682E-04	60	0- 60	0.1087E-03	90-150	0.9309E-04
75-89.14	0.2572E-02	-7.5 TO 52.5	0.6044E-05	82.5-142.5	0.4127E-05	75	0- 60	0.5122E-04	90-150	0.4006E-04
0-15.00	0.4494E-03	-7.5 TO 67.5	0.5625E-04	82.5-157.5	0.5488E-04	0	0- 75	0.2828E-03	90-165	0.2828E-03
15-30.00	0.1318E-02	-7.5 TO 67.5	0.5269E-04	82.5-157.5	0.4978E-04	15	0- 75	0.2770E-03	90-165	0.2666E-03
30-45.00	0.2096E-02	-7.5 TO 67.5	0.4494E-04	82.5-157.5	0.4092E-04	30	0- 75	0.2478E-03	90-165	0.2298E-03
45-60.00	0.2731E-02	-7.5 TO 67.5	0.3347E-04	82.5-157.5	0.2945E-04	45	0- 75	0.1984E-03	90-165	0.1773E-03
60-75.00	0.3181E-02	-7.5 TO 67.5	0.1986E-04	82.5-157.5	0.1658E-04	60	0- 75	0.1345E-03	90-165	0.1151E-03
75-89.14	0.3216E-02	-7.5 TO 67.5	0.5917E-05	82.5-157.5	0.3995E-05	75	0- 75	0.6300E-04	90-165	0.4923E-04
0-15.00	0.5393E-03	-7.5 TO 82.5	0.5615E-04	82.5-172.5	0.5480E-04	0	0- 90	0.3393E-03	90-180	0.3393E-03
15-30.00	0.1581E-02	-7.5 TO 82.5	0.5248E-04	82.5-172.5	0.4960E-04	15	0- 90	0.3314E-03	90-180	0.3192E-03
30-45.00	0.2515E-02	-7.5 TO 82.5	0.4455E-04	82.5-172.5	0.4068E-04	30	0- 90	0.2956E-03	90-180	0.2746E-03
45-60.00	0.3278E-02	-7.5 TO 82.5	0.3317E-04	82.5-172.5	0.2921E-04	45	0- 90	0.2360E-03	90-180	0.2115E-03
60-75.00	0.3817E-02	-7.5 TO 82.5	0.1962E-04	82.5-172.5	0.1639E-04	60	0- 90	0.1595E-03	90-180	0.1370E-03
75-89.14	0.3859E-02	-7.5 TO 82.5	0.5769E-05	82.5-172.5	0.3888E-05	75	0- 90	0.7425E-04	90-180	0.5828E-04
0-15.00	0.6291E-03	-7.5 TO 97.5	0.5604E-04	82.5-187.5	0.5473E-04	0	0-105	0.3959E-03	90-195	0.3959E-03
15-30.00	0.1845E-02	-7.5 TO 97.5	0.5224E-04	82.5-187.5	0.4946E-04	15	0-105	0.3854E-03	90-195	0.3719E-03
30-45.00	0.2934E-02	-7.5 TO 97.5	0.4423E-04	82.5-187.5	0.4049E-04	30	0-105	0.3427E-03	90-195	0.3194E-03
45-60.00	0.3824E-02	-7.5 TO 97.5	0.3284E-04	82.5-187.5	0.2902E-04	45	0-105	0.2728E-03	90-195	0.2456E-03
60-75.00	0.4453E-02	-7.5 TO 97.5	0.1934E-04	82.5-187.5	0.1624E-04	60	0-105	0.1837E-03	90-195	0.1589E-03
75-89.14	0.4502E-02	-7.5 TO 97.5	0.5608E-05	82.5-187.5	0.3806E-05	75	0-105	0.8494E-04	90-195	0.6732E-04

$r_2/r_1 = 0.70$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0051$ $\cosh \mu_2 = 35.7070$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.58$

0-15.00	0.1429E-04	-7.5 TO 7.5	0.5755E-06	82.5- 97.5	0.5749E-06	0	0- 15	0.5857E-06	90-105	0.5857E-06
15-30.00	0.4190E-04	-7.5 TO 7.5	0.5340E-06	82.5- 97.5	0.5326E-06	15	0- 15	0.5650E-06	90-105	0.5639E-06
30-45.00	0.6665E-04	-7.5 TO 7.5	0.4539E-06	82.5- 97.5	0.4520E-06	30	0- 15	0.5030E-06	90-105	0.5011E-06
45-60.00	0.8686E-04	-7.5 TO 7.5	0.3423E-06	82.5- 97.5	0.3402E-06	45	0- 15	0.4051E-06	90-105	0.4028E-06
60-75.00	0.1011E-03	-7.5 TO 7.5	0.2087E-06	82.5- 97.5	0.2066E-06	60	0- 15	0.2800E-06	90-105	0.2776E-06
75-89.66	0.1060E-03	-7.5 TO 7.5	0.6585E-07	82.5- 97.5	0.6436E-07	75	0- 15	0.1380E-06	90-105	0.1359E-06
0-15.00	0.2658E-04	-7.5 TO 22.5	0.5755E-06	82.5-112.5	0.5748E-06	0	0- 30	0.1171E-05	90-120	0.1171E-05
15-30.00	0.8379E-04	-7.5 TO 22.5	0.5340E-06	82.5-112.5	0.5324E-06	15	0- 30	0.1130E-05	90-120	0.1128E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.4539E-06	82.5-112.5	0.4517E-06	30	0- 30	0.1006E-05	90-120	0.1002E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.3423E-06	82.5-112.5	0.3399E-06	45	0- 30	0.8101E-06	90-120	0.8050E-06
60-75.00	0.2023E-03	-7.5 TO 22.5	0.2086E-06	82.5-112.5	0.2064E-06	60	0- 30	0.5599E-06	90-120	0.5547E-06
75-89.66	0.2121E-03	-7.5 TO 22.5	0.6582E-07	82.5-112.5	0.6417E-07	75	0- 30	0.2758E-06	90-120	0.2713E-06
0-15.00	0.4267E-04	-7.5 TO 37.5	0.5755E-06	82.5-127.5	0.5747E-06	0	0- 45	0.1757E-05	90-135	0.1757E-05
15-30.00	0.1257E-03	-7.5 TO 37.5	0.5339E-06	82.5-127.5	0.5323E-06	15	0- 45	0.1695E-05	90-135	0.1691E-05
30-45.00	0.1999E-03	-7.5 TO 37.5	0.4538E-06	82.5-127.5	0.4515E-06	30	0- 45	0.1508E-05	90-135	0.1502E-05
45-60.00	0.2606E-03	-7.5 TO 37.5	0.3422E-06	82.5-127.5	0.3396E-06	45	0- 45	0.1215E-05	90-135	0.1207E-05
60-75.00	0.3034E-03	-7.5 TO 37.5	0.2085E-06	82.5-127.5	0.2061E-06	60	0- 45	0.8394E-06	90-135	0.8312E-06
75-89.66	0.3181E-03	-7.5 TO 37.5	0.6577E-07	82.5-127.5	0.6398E-07	75	0- 45	0.4134E-06	90-135	0.4063E-06
0-15.00	0.5716E-04	-7.5 TO 52.5	0.5754E-06	82.5-142.5	0.5746E-06	0	0- 60	0.2343E-05	90-150	0.2343E-05
15-30.00	0.1676E-03	-7.5 TO 52.5	0.5338E-06	82.5-142.5	0.5321E-06	15	0- 60	0.2259E-05	90-150	0.2254E-05
30-45.00	0.2666E-03	-7.5 TO 52.5	0.4537E-06	82.5-142.5	0.4513E-06	30	0- 60	0.2011E-05	90-150	0.2002E-05
45-60.00	0.3474E-03	-7.5 TO 52.5	0.3421E-06	82.5-142.5	0.3394E-06	45	0- 60	0.1619E-05	90-150	0.1608E-05
60-75.00	0.4046E-03	-7.5 TO 52.5	0.2084E-06	82.5-142.5	0.2059E-06	60	0- 60	0.1119E-05	90-150	0.1107E-05
75-89.66	0.4241E-03	-7.5 TO 52.5	0.6568E-07	82.5-142.5	0.6382E-07	75	0- 60	0.5506E-06	90-150	0.5410E-06
0-15.00	0.7145E-04	-7.5 TO 67.5	0.5754E-06	82.5-157.5	0.5746E-06	0	0- 75	0.2928E-05	90-165	0.2928E-05
15-30.00	0.2095E-03	-7.5 TO 67.5	0.5337E-06	82.5-157.5	0.5320E-06	15	0- 75	0.2824E-05	90-165	0.2818E-05
30-45.00	0.3332E-03	-7.5 TO 67.5	0.4536E-06	82.5-157.5	0.4511E-06	30	0- 75	0.2513E-05	90-165	0.2502E-05
45-60.00	0.4343E-03	-7.5 TO 67.5	0.3419E-06	82.5-157.5	0.3392E-06	45	0- 75	0.2023E-05	90-165	0.2009E-05
60-75.00	0.5057E-03	-7.5 TO 67.5	0.2083E-06	82.5-157.5	0.2057E-06	60	0- 75	0.1397E-05	90-165	0.1383E-05
75-89.66	0.5301E-03	-7.5 TO 67.5	0.6556E-07	82.5-157.5	0.6367E-07	75	0- 75	0.6875E-06	90-165	0.6754E-06
0-15.00	0.8574E-04	-7.5 TO 82.5	0.5753E-06	82.5-172.5	0.5742E-06	0	0- 90	0.3514E-05	90-180	0.3514E-05
15-30.00	0.2514E-03	-7.5 TO 82.5	0.5336E-06	82.5-172.5	0.5319E-06	15	0- 90	0.3388E-05	90-180	0.3381E-05
30-45.00	0.3999E-03	-7.5 TO 82.5	0.4534E-06	82.5-172.5	0.4509E-06	30	0- 90	0.3014E-05	90-180	0.3001E-05
45-60.00	0.5211E-03	-7.5 TO 82.5	0.3417E-06	82.5-172.5	0.3390E-06	45	0- 90	0.2426E-05	90-180	0.2410E-05
60-75.00	0.6069E-03	-7.5 TO 82.5	0.2081E-06	82.5-172.5	0.2055E-06	60	0- 90	0.1675E-05	90-180	0.1659E-05
75-89.66	0.6362E-03	-7.5 TO 82.5	0.6543E-07	82.5-172.5	0.6355E-07	75	0- 90	0.8238E-06	90-180	0.8097E-06
0-15.00	0.1000E-03	-7.5 TO 97.5	0.5752E-06	82.5-187.5	0.5745E-06	0	0-105	0.4100E-05	90-195	0.4100E-05
15-30.00	0.2933E-03	-7.5 TO 97.5	0.5335E-06	82.5-187.5	0.5318E-06	15	0-105	0.3952E-05	90-195	0.3944E-05
30-45.00	0.4665E-03	-7.5 TO 97.5	0.4532E-06	82.5-187.5	0.4508E-06	30	0-105	0.3515E-05	90-195	0.3501E-05
45-60.00	0.6080E-03	-7.5 TO 97.5	0.3415E-06	82.5-187.5	0.3389E-06	45	0-105	0.2829E-05	90-195	0.2811E-05
60-75.00	0.7080E-03	-7.5 TO 97.5	0.2079E-06	82.5-187.5	0.2054E-06	60	0-105	0.1953E-05	90-195	0.1935E-05
75-89.66	0.7422E-03	-7.5 TO 97.5	0.6527E-07	82.5-187.5	0.6345E-07	75	0-105	0.9597E-06	90-195	0.9440E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

r_2/r_1 = 0.70 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0051 $\cosh \mu_2$ = 35.7070 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 149.19

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.2144E-05	82.5- 97.5	0.2139E-05	0	0- 15	0.2179E-05	90-105	0.2179E-05
15-30.00	0.4190E-04	-7.5 TO 7.5	0.1992E-05	82.5- 97.5	0.1988E-05	15	0- 15	0.2106E-05	90-105	0.2098E-05
30-45.00	0.6665E-04	-7.5 TO 7.5	0.1696E-05	82.5- 97.5	0.1682E-05	30	0- 15	0.1878E-05	90-105	0.1864E-05
45-60.00	0.8686E-04	-7.5 TO 7.5	0.1282E-05	82.5- 97.5	0.1266E-05	45	0- 15	0.1515E-05	90-105	0.1498E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.7838E-06	82.5- 97.5	0.7690E-06	60	0- 15	0.1050E-05	90-105	0.1032E-05
75-89.66	0.1060E-03	-7.5 TO 7.5	0.2504E-06	82.5- 97.5	0.2395E-06	75	0- 15	0.5200E-06	90-105	0.5048E-06
0-15.00	0.2858E-04	-7.5 TO 22.5	0.2144E-05	82.5-112.5	0.2139E-05	0	0- 30	0.4359E-05	90-120	0.4359E-05
15-30.00	0.8379E-04	-7.5 TO 22.5	0.1992E-05	82.5-112.5	0.1981E-05	15	0- 30	0.4211E-05	90-120	0.4194E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.1696E-05	82.5-112.5	0.1680E-05	30	0- 30	0.3755E-05	90-120	0.3724E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.1282E-05	82.5-112.5	0.1264E-05	45	0- 30	0.3029E-05	90-120	0.2992E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.7836E-06	82.5-112.5	0.7671E-06	60	0- 30	0.2098E-05	90-120	0.2060E-05
75-89.66	0.2121E-03	-7.5 TO 22.5	0.2502E-06	82.5-112.5	0.2381E-06	75	0- 30	0.1039E-05	90-120	0.1006E-05
0-15.00	0.4287E-04	-7.5 TO 37.5	0.2144E-05	82.5-127.5	0.2138E-05	0	0- 45	0.6538E-05	90-135	0.6538E-05
15-30.00	0.1257E-03	-7.5 TO 37.5	0.1992E-05	82.5-127.5	0.1979E-05	15	0- 45	0.6316E-05	90-135	0.6289E-05
30-45.00	0.1999E-03	-7.5 TO 37.5	0.1696E-05	82.5-127.5	0.1678E-05	30	0- 45	0.5630E-05	90-135	0.5582E-05
45-60.00	0.2606E-03	-7.5 TO 37.5	0.1281E-05	82.5-127.5	0.1262E-05	45	0- 45	0.4542E-05	90-135	0.4482E-05
60-75.00	0.3034E-03	-7.5 TO 37.5	0.7830E-06	82.5-127.5	0.7653E-06	60	0- 45	0.3145E-05	90-135	0.3085E-05
75-89.66	0.3181E-03	-7.5 TO 37.5	0.2498E-06	82.5-127.5	0.2368E-06	75	0- 45	0.1556E-05	90-135	0.1505E-05
0-15.00	0.5716E-04	-7.5 TO 52.5	0.2143E-05	82.5-142.5	0.2137E-05	0	0- 60	0.8717E-05	90-150	0.8717E-05
15-30.00	0.1676E-03	-7.5 TO 52.5	0.1991E-05	82.5-142.5	0.1978E-05	15	0- 60	0.8419E-05	90-150	0.8383E-05
30-45.00	0.2666E-03	-7.5 TO 52.5	0.1695E-05	82.5-142.5	0.1677E-05	30	0- 60	0.7503E-05	90-150	0.7438E-05
45-60.00	0.3474E-03	-7.5 TO 52.5	0.1280E-05	82.5-142.5	0.1260E-05	45	0- 60	0.6051E-05	90-150	0.5969E-05
60-75.00	0.4046E-03	-7.5 TO 52.5	0.7821E-06	82.5-142.5	0.7636E-06	60	0- 60	0.4189E-05	90-150	0.4106E-05
75-89.66	0.4241E-03	-7.5 TO 52.5	0.2491E-06	82.5-142.5	0.2356E-06	75	0- 60	0.2071E-05	90-150	0.2001E-05
0-15.00	0.7145E-04	-7.5 TO 67.5	0.2143E-05	82.5-157.5	0.2137E-05	0	0- 75	0.1090E-04	90-165	0.1090E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.1990E-05	82.5-157.5	0.1977E-05	15	0- 75	0.1052E-04	90-165	0.1048E-04
30-45.00	0.3333E-03	-7.5 TO 67.5	0.1694E-05	82.5-157.5	0.1675E-05	30	0- 75	0.9373E-05	90-165	0.9291E-05
45-60.00	0.4343E-03	-7.5 TO 67.5	0.1279E-05	82.5-157.5	0.1259E-05	45	0- 75	0.7567E-05	90-165	0.7455E-05
60-75.00	0.5057E-03	-7.5 TO 67.5	0.7810E-06	82.5-157.5	0.7622E-06	60	0- 75	0.5229E-05	90-165	0.5126E-05
75-89.66	0.5301E-03	-7.5 TO 67.5	0.2483E-06	82.5-157.5	0.2345E-06	75	0- 75	0.2583E-05	90-165	0.2495E-05
0-15.00	0.8574E-04	-7.5 TO 82.5	0.2142E-05	82.5-172.5	0.2137E-05	0	0- 90	0.1308E-04	90-180	0.1308E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.1989E-05	82.5-172.5	0.1976E-05	15	0- 90	0.1262E-04	90-180	0.1257E-04
30-45.00	0.3999E-03	-7.5 TO 82.5	0.1692E-05	82.5-172.5	0.1674E-05	30	0- 90	0.1124E-04	90-180	0.1114E-04
45-60.00	0.5211E-03	-7.5 TO 82.5	0.1277E-05	82.5-172.5	0.1257E-05	45	0- 90	0.9058E-05	90-180	0.8939E-05
60-75.00	0.6069E-03	-7.5 TO 82.5	0.7796E-06	82.5-172.5	0.7610E-06	60	0- 90	0.6265E-05	90-180	0.6144E-05
75-89.66	0.6362E-03	-7.5 TO 82.5	0.2473E-06	82.5-172.5	0.2336E-06	75	0- 90	0.3091E-05	90-180	0.2988E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.2142E-05	82.5-187.5	0.2136E-05	0	0-105	0.1526E-04	90-195	0.1526E-04
15-30.00	0.2933E-03	-7.5 TO 97.5	0.1988E-05	82.5-187.5	0.1976E-05	15	0-105	0.1472E-04	90-195	0.1466E-04
30-45.00	0.4665E-03	-7.5 TO 97.5	0.1691E-05	82.5-187.5	0.1673E-05	30	0-105	0.1310E-04	90-195	0.1300E-04
45-60.00	0.6080E-03	-7.5 TO 97.5	0.1276E-05	82.5-187.5	0.1256E-05	45	0-105	0.1056E-04	90-195	0.1042E-04
60-75.00	0.7080E-03	-7.5 TO 97.5	0.7781E-06	82.5-187.5	0.7600E-06	60	0-105	0.7297E-05	90-195	0.7163E-05
75-89.66	0.7422E-03	-7.5 TO 97.5	0.2462E-06	82.5-187.5	0.2330E-06	75	0-105	0.3596E-05	90-195	0.3482E-05

r_2/r_1 = 0.70 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0051 $\cosh \mu_2$ = 35.7070 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 133.85

0-15.00	0.1429E-04	-7.5 TO 7.5	0.4273E-05	82.5- 97.5	0.4258E-05	0	0- 15	0.4338E-05	90-105	0.4338E-05
15-30.00	0.4190E-04	-7.5 TO 7.5	0.3976E-05	82.5- 97.5	0.3946E-05	15	0- 15	0.4199E-05	90-105	0.4176E-05
30-45.00	0.6665E-04	-7.5 TO 7.5	0.3391E-05	82.5- 97.5	0.3348E-05	30	0- 15	0.3751E-05	90-105	0.3709E-05
45-60.00	0.8686E-04	-7.5 TO 7.5	0.2568E-05	82.5- 97.5	0.2520E-05	45	0- 15	0.3032E-05	90-105	0.2980E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.1575E-05	82.5- 97.5	0.1531E-05	60	0- 15	0.2105E-05	90-105	0.2053E-05
75-89.66	0.1060E-03	-7.5 TO 7.5	0.5081E-06	82.5- 97.5	0.4770E-06	75	0- 15	0.1048E-05	90-105	0.1004E-05
0-15.00	0.2858E-04	-7.5 TO 22.5	0.4272E-05	82.5-112.5	0.4257E-05	0	0- 30	0.8677E-05	90-120	0.8677E-05
15-30.00	0.8379E-04	-7.5 TO 22.5	0.3976E-05	82.5-112.5	0.3942E-05	15	0- 30	0.8397E-05	90-120	0.8366E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.3391E-05	82.5-112.5	0.3343E-05	30	0- 30	0.7499E-05	90-120	0.7408E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.2567E-05	82.5-112.5	0.2514E-05	45	0- 30	0.6061E-05	90-120	0.5948E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.1574E-05	82.5-112.5	0.1526E-05	60	0- 30	0.4207E-05	90-120	0.4094E-05
75-89.66	0.2121E-03	-7.5 TO 22.5	0.5076E-06	82.5-112.5	0.4730E-06	75	0- 30	0.2093E-05	90-120	0.1997E-05
0-15.00	0.4287E-04	-7.5 TO 37.5	0.4272E-05	82.5-127.5	0.4255E-05	0	0- 45	0.1302E-04	90-135	0.1302E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.3974E-05	82.5-127.5	0.3938E-05	15	0- 45	0.1259E-04	90-135	0.1251E-04
30-45.00	0.1999E-03	-7.5 TO 37.5	0.3389E-05	82.5-127.5	0.3338E-05	30	0- 45	0.1124E-04	90-135	0.1110E-04
45-60.00	0.2606E-03	-7.5 TO 37.5	0.2565E-05	82.5-127.5	0.2508E-05	45	0- 45	0.9083E-05	90-135	0.8905E-05
60-75.00	0.3034E-03	-7.5 TO 37.5	0.1572E-05	82.5-127.5	0.1520E-05	60	0- 45	0.6303E-05	90-135	0.6124E-05
75-89.66	0.3181E-03	-7.5 TO 37.5	0.5064E-06	82.5-127.5	0.4692E-06	75	0- 45	0.3132E-05	90-135	0.2982E-05
0-15.00	0.5716E-04	-7.5 TO 52.5	0.4271E-05	82.5-142.5	0.4253E-05	0	0- 60	0.1735E-04	90-150	0.1735E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.3973E-05	82.5-142.5	0.3934E-05	15	0- 60	0.1678E-04	90-150	0.1667E-04
30-45.00	0.2666E-03	-7.5 TO 52.5	0.3386E-05	82.5-142.5	0.3333E-05	30	0- 60	0.1498E-04	90-150	0.1478E-04
45-60.00	0.3474E-03	-7.5 TO 52.5	0.2562E-05	82.5-142.5	0.2503E-05	45	0- 60	0.1210E-04	90-150	0.1185E-04
60-75.00	0.4046E-03	-7.5 TO 52.5	0.1569E-05	82.5-142.5	0.1515E-05	60	0- 60	0.8390E-05	90-150	0.8146E-05
75-89.66	0.4241E-03	-7.5 TO 52.5	0.5045E-06	82.5-142.5	0.4657E-06	75	0- 60	0.4165E-05	90-150	0.3960E-05
0-15.00	0.7145E-04	-7.5 TO 67.5	0.4270E-05	82.5-157.5	0.4252E-05	0	0- 75	0.2169E-04	90-165	0.2169E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.3970E-05	82.5-157.5	0.3931E-05	15	0- 75	0.2097E-04	90-165	0.2083E-04
30-45.00	0.3333E-03	-7.5 TO 67.5	0.3383E-05	82.5-157.5	0.3329E-05	30	0- 75	0.1871E-04	90-165	0.1846E-04
45-60.00	0.4343E-03	-7.5 TO 67.5	0.2558E-05	82.5-157.5	0.2498E-05	45	0- 75	0.1510E-04	90-165	0.1480E-04
60-75.00	0.5057E-03	-7.5 TO 67.5	0.1566E-05	82.5-157.5	0.1511E-05	60	0- 75	0.1047E-04	90-165	0.1016E-04
75-89.66	0.5301E-03	-7.5 TO 67.5	0.5021E-06	82.5-157.5	0.4627E-06	75	0- 75	0.5189E-05	90-165	0.4933E-05
0-15.00	0.8574E-04	-7.5 TO 82.5	0.4269E-05	82.5-172.5	0.4251E-05	0	0- 90	0.2603E-04	90-180	0.2603E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.3967E-05	82.5-172.5	0.3929E-05	15	0- 90	0.2515E-04	90-180	0.2499E-04
30-45.00	0.3999E-03	-7.5 TO 82.5	0.3379E-05	82.5-172.5	0.3325E-05	30	0- 90	0.2243E-04	90-180	0.2214E-04
45-60.00	0.5211E-03	-7.5 TO 82.5	0.2554E-05	82.5-172.5	0.2495E-05	45	0- 90	0.1809E-04	90-180	0.1774E-04
60-75.00	0.6069E-03	-7.5 TO 82.5	0.1562E-05	82.5-172.5	0.1508E-05	60	0- 90	0.1253E-04	90-180	0.1218E-04
75-89.66	0.6362E-03	-7.5 TO 82.5	0.4992E-06	82.5-172.5	0.4602E-06	75	0- 90	0.6202E-05	90-180	0.5904E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.4267E-05	82.5-187.5	0.4250E-05	0	0-105	0.3037E-04	90-195	0.3037E-04
15-30.00	0.2933E-03	-7.5 TO 97.5	0.3964E-05	82.5-187.5	0.3927E-05	15	0-105	0.2933E-04	90-195	0.2915E-04
30-45.00	0.4665E-03	-7.5 TO 97.5	0.3375E-05	82.5-187.5	0.3322E-05	30	0-105	0.2613E-04	90-195	0.2581E-04
45-60.00	0.6080E-03	-7.5 TO 97.5	0.2549E-05	82.5-187.5	0.2492E-05	45	0-105	0.2107E-04	90-195	0.2068E-04
60-75.00	0.7080E-03	-7.5 TO 97.5	0.1558E-05	82.5-187.5	0.1505E-05	60	0-105	0.1458E-04	90-195	0.1419E-04
75-89.66	0.7422E-03	-7.5 TO 97.5	0.4960E-06	82.5-187.5	0.4582E-06	75	0-105	0.7206E-05	90-195	0.6874E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

r_2/r_1 = 0.70 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0051 $\cosh \mu_2$ = 35.7070 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 118.60

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.6378E-05	82.5- 97.5	0.6349E-05	0	0- 15	0.6469E-05	90-105	0.6469E-05
15-30.00	0.4190E-04	-7.5 TO 7.5	0.5944E-05	82.5- 97.5	0.5883E-05	15	0- 15	0.6272E-05	90-105	0.6225E-05
30-45.00	0.6665E-04	-7.5 TO 7.5	0.5079E-05	82.5- 97.5	0.4993E-05	30	0- 15	0.5612E-05	90-105	0.5527E-05
45-60.00	0.8686E-04	-7.5 TO 7.5	0.3852E-05	82.5- 97.5	0.3758E-05	45	0- 15	0.4544E-05	90-105	0.4440E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.2368E-05	82.5- 97.5	0.2283E-05	60	0- 15	0.3161E-05	90-105	0.3058E-05
75-89.66	0.1060E-03	-7.5 TO 7.5	0.7701E-06	82.5- 97.5	0.7114E-06	75	0- 15	0.1579E-05	90-105	0.1494E-05
0-15.00	0.2858E-04	-7.5 TO 22.5	0.6377E-05	82.5-112.5	0.6346E-05	0	0- 30	0.1294E-04	90-120	0.1294E-04
15-30.00	0.8379E-04	-7.5 TO 22.5	0.5943E-05	82.5-112.5	0.5875E-05	15	0- 30	0.1254E-04	90-120	0.1244E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.5077E-05	82.5-112.5	0.4982E-05	30	0- 30	0.1122E-04	90-120	0.1104E-04
45-60.00	0.1737E-03	-7.5 TO 22.5	0.3850E-05	82.5-112.5	0.3746E-05	45	0- 30	0.9082E-05	90-120	0.8857E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.2366E-05	82.5-112.5	0.2272E-05	60	0- 30	0.6316E-05	90-120	0.6093E-05
75-89.66	0.2121E-03	-7.5 TO 22.5	0.7691E-06	82.5-112.5	0.7039E-06	75	0- 30	0.3153E-05	90-120	0.2970E-05
0-15.00	0.4287E-04	-7.5 TO 37.5	0.6376E-05	82.5-127.5	0.6342E-05	0	0- 45	0.1941E-04	90-135	0.1941E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.5941E-05	82.5-127.5	0.5867E-05	15	0- 45	0.1881E-04	90-135	0.1864E-04
30-45.00	0.1999E-03	-7.5 TO 37.5	0.5074E-05	82.5-127.5	0.4971E-05	30	0- 45	0.1682E-04	90-135	0.1653E-04
45-60.00	0.2606E-03	-7.5 TO 37.5	0.3846E-05	82.5-127.5	0.3735E-05	45	0- 45	0.1361E-04	90-135	0.1325E-04
60-75.00	0.3034E-03	-7.5 TO 37.5	0.2363E-05	82.5-127.5	0.2262E-05	60	0- 45	0.9459E-05	90-135	0.9108E-05
75-89.66	0.3181E-03	-7.5 TO 37.5	0.7668E-06	82.5-127.5	0.6968E-06	75	0- 45	0.4717E-05	90-135	0.4429E-05
0-15.00	0.5716E-04	-7.5 TO 52.5	0.6375E-05	82.5-142.5	0.6339E-05	0	0- 60	0.2587E-04	90-150	0.2587E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.5937E-05	82.5-142.5	0.5860E-05	15	0- 60	0.2506E-04	90-150	0.2484E-04
30-45.00	0.2666E-03	-7.5 TO 52.5	0.5069E-05	82.5-142.5	0.4961E-05	30	0- 60	0.2240E-04	90-150	0.2200E-04
45-60.00	0.3474E-03	-7.5 TO 52.5	0.3841E-05	82.5-142.5	0.3724E-05	45	0- 60	0.1812E-04	90-150	0.1763E-04
60-75.00	0.4046E-03	-7.5 TO 52.5	0.2358E-05	82.5-142.5	0.2253E-05	60	0- 60	0.1258E-04	90-150	0.1211E-04
75-89.66	0.4241E-03	-7.5 TO 52.5	0.7633E-06	82.5-142.5	0.6903E-06	75	0- 60	0.6267E-05	90-150	0.5875E-05
0-15.00	0.7145E-04	-7.5 TO 67.5	0.6372E-05	82.5-157.5	0.6336E-05	0	0- 75	0.3234E-04	90-165	0.3234E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.5933E-05	82.5-157.5	0.5854E-05	15	0- 75	0.3131E-04	90-165	0.3103E-04
30-45.00	0.3332E-03	-7.5 TO 67.5	0.5062E-05	82.5-157.5	0.4953E-05	30	0- 75	0.2796E-04	90-165	0.2747E-04
45-60.00	0.4343E-03	-7.5 TO 67.5	0.3834E-05	82.5-157.5	0.3715E-05	45	0- 75	0.2260E-04	90-165	0.2200E-04
60-75.00	0.5057E-03	-7.5 TO 67.5	0.2351E-05	82.5-157.5	0.2244E-05	60	0- 75	0.1569E-04	90-165	0.1509E-04
75-89.66	0.5301E-03	-7.5 TO 67.5	0.7587E-06	82.5-157.5	0.6847E-06	75	0- 75	0.7800E-05	90-165	0.7311E-05
0-15.00	0.8574E-04	-7.5 TO 82.5	0.6370E-05	82.5-172.5	0.6334E-05	0	0- 90	0.3881E-04	90-180	0.3881E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.5927E-05	82.5-172.5	0.5849E-05	15	0- 90	0.3754E-04	90-180	0.3722E-04
30-45.00	0.3999E-03	-7.5 TO 82.5	0.5054E-05	82.5-172.5	0.4946E-05	30	0- 90	0.3351E-04	90-180	0.3293E-04
45-60.00	0.5211E-03	-7.5 TO 82.5	0.3825E-05	82.5-172.5	0.3707E-05	45	0- 90	0.2707E-04	90-180	0.2636E-04
60-75.00	0.6069E-03	-7.5 TO 82.5	0.2344E-05	82.5-172.5	0.2238E-05	60	0- 90	0.1877E-04	90-180	0.1807E-04
75-89.66	0.6362E-03	-7.5 TO 82.5	0.7533E-06	82.5-172.5	0.6799E-06	75	0- 90	0.9314E-05	90-180	0.8742E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.6367E-05	82.5-187.5	0.6332E-05	0	0-105	0.4528E-04	90-195	0.4528E-04
15-30.00	0.2933E-03	-7.5 TO 97.5	0.5921E-05	82.5-187.5	0.5845E-05	15	0-105	0.4377E-04	90-195	0.4341E-04
30-45.00	0.4665E-03	-7.5 TO 97.5	0.5045E-05	82.5-187.5	0.4940E-05	30	0-105	0.3904E-04	90-195	0.3840E-04
45-60.00	0.6080E-03	-7.5 TO 97.5	0.3815E-05	82.5-187.5	0.3701E-05	45	0-105	0.3151E-04	90-195	0.3072E-04
60-75.00	0.7080E-03	-7.5 TO 97.5	0.2335E-05	82.5-187.5	0.2232E-05	60	0-105	0.2183E-04	90-195	0.2105E-04
75-89.66	0.7422E-03	-7.5 TO 97.5	0.7473E-06	82.5-187.5	0.6763E-06	75	0-105	0.1081E-04	90-195	0.1017E-04

r_2/r_1 = 0.70 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0051 $\cosh \mu_2$ = 35.7070 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 103.44

0-15.00	0.1429E-04	-7.5 TO 7.5	0.7889E-05	82.5- 97.5	0.7844E-05	0	0- 15	0.7991E-05	90-105	0.7991E-05
15-30.00	0.4190E-04	-7.5 TO 7.5	0.7366E-05	82.5- 97.5	0.7268E-05	15	0- 15	0.7764E-05	90-105	0.7688E-05
30-45.00	0.6665E-04	-7.5 TO 7.5	0.6304E-05	82.5- 97.5	0.6168E-05	30	0- 15	0.6959E-05	90-105	0.6825E-05
45-60.00	0.8686E-04	-7.5 TO 7.5	0.4789E-05	82.5- 97.5	0.4663E-05	45	0- 15	0.5645E-05	90-105	0.5481E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.2950E-05	82.5- 97.5	0.2821E-05	60	0- 15	0.3934E-05	90-105	0.3775E-05
75-89.66	0.1060E-03	-7.5 TO 7.5	0.9642E-06	82.5- 97.5	0.8790E-06	75	0- 15	0.1970E-05	90-105	0.1844E-05
0-15.00	0.2858E-04	-7.5 TO 22.5	0.7889E-05	82.5-112.5	0.7838E-05	0	0- 30	0.1598E-04	90-120	0.1598E-04
15-30.00	0.8379E-04	-7.5 TO 22.5	0.7364E-05	82.5-112.5	0.7255E-05	15	0- 30	0.1552E-04	90-120	0.1536E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.6302E-05	82.5-112.5	0.6151E-05	30	0- 30	0.1391E-04	90-120	0.1362E-04
45-60.00	0.1737E-03	-7.5 TO 22.5	0.4786E-05	82.5-112.5	0.4624E-05	45	0- 30	0.1128E-04	90-120	0.1093E-04
60-75.00	0.2023E-03	-7.5 TO 22.5	0.2947E-05	82.5-112.5	0.2805E-05	60	0- 30	0.7858E-05	90-120	0.7514E-05
75-89.66	0.2121E-03	-7.5 TO 22.5	0.9628E-06	82.5-112.5	0.8683E-06	75	0- 30	0.3933E-05	90-120	0.3661E-05
0-15.00	0.4287E-04	-7.5 TO 37.5	0.7887E-05	82.5-127.5	0.7832E-05	0	0- 45	0.2397E-04	90-135	0.2397E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.7360E-05	82.5-127.5	0.7243E-05	15	0- 45	0.2327E-04	90-135	0.2301E-04
30-45.00	0.1999E-03	-7.5 TO 37.5	0.6296E-05	82.5-127.5	0.6134E-05	30	0- 45	0.2085E-04	90-135	0.2039E-04
45-60.00	0.2606E-03	-7.5 TO 37.5	0.4781E-05	82.5-127.5	0.4606E-05	45	0- 45	0.1690E-04	90-135	0.1634E-04
60-75.00	0.3034E-03	-7.5 TO 37.5	0.2942E-05	82.5-127.5	0.2789E-05	60	0- 45	0.1176E-04	90-135	0.1122E-04
75-89.66	0.3181E-03	-7.5 TO 37.5	0.9594E-06	82.5-127.5	0.8581E-06	75	0- 45	0.5880E-05	90-135	0.5453E-05
0-15.00	0.5716E-04	-7.5 TO 52.5	0.7884E-05	82.5-142.5	0.7827E-05	0	0- 60	0.3196E-04	90-150	0.3196E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.7354E-05	82.5-142.5	0.7232E-05	15	0- 60	0.3101E-04	90-150	0.3066E-04
30-45.00	0.2666E-03	-7.5 TO 52.5	0.6288E-05	82.5-142.5	0.6119E-05	30	0- 60	0.2776E-04	90-150	0.2713E-04
45-60.00	0.3474E-03	-7.5 TO 52.5	0.4772E-05	82.5-142.5	0.4590E-05	45	0- 60	0.2248E-04	90-150	0.2172E-04
60-75.00	0.4046E-03	-7.5 TO 52.5	0.2935E-05	82.5-142.5	0.2775E-05	60	0- 60	0.1564E-04	90-150	0.1490E-04
75-89.66	0.4241E-03	-7.5 TO 52.5	0.9543E-06	82.5-142.5	0.8488E-06	75	0- 60	0.7807E-05	90-150	0.7224E-05
0-15.00	0.7145E-04	-7.5 TO 67.5	0.7881E-05	82.5-157.5	0.7823E-05	0	0- 75	0.3996E-04	90-165	0.3996E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.7347E-05	82.5-157.5	0.7222E-05	15	0- 75	0.3873E-04	90-165	0.3829E-04
30-45.00	0.3332E-03	-7.5 TO 67.5	0.6278E-05	82.5-157.5	0.6106E-05	30	0- 75	0.3465E-04	90-165	0.3387E-04
45-60.00	0.4343E-03	-7.5 TO 67.5	0.4761E-05	82.5-157.5	0.4576E-05	45	0- 75	0.2804E-04	90-165	0.2709E-04
60-75.00	0.5057E-03	-7.5 TO 67.5	0.2925E-05	82.5-157.5	0.2762E-05	60	0- 75	0.1949E-04	90-165	0.1857E-04
75-89.66	0.5301E-03	-7.5 TO 67.5	0.9477E-06	82.5-157.5	0.8407E-06	75	0- 75	0.9708E-05	90-165	0.8982E-05
0-15.00	0.8574E-04	-7.5 TO 82.5	0.7876E-05	82.5-172.5	0.7819E-05	0	0- 90	0.4795E-04	90-180	0.4795E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.7338E-05	82.5-172.5	0.7214E-05	15	0- 90	0.4644E-04	90-180	0.4592E-04
30-45.00	0.3999E-03	-7.5 TO 82.5	0.6265E-05	82.5-172.5	0.6094E-05	30	0- 90	0.4150E-04	90-180	0.4059E-04
45-60.00	0.5211E-03	-7.5 TO 82.5	0.4747E-05	82.5-172.5	0.4564E-05	45	0- 90	0.3356E-04	90-180	0.3245E-04
60-75.00	0.6069E-03	-7.5 TO 82.5	0.2913E-05	82.5-172.5	0.2752E-05	60	0- 90	0.2330E-04	90-180	0.2222E-04
75-89.66	0.6362E-03	-7.5 TO 82.5	0.9398E-06	82.5-172.5	0.8339E-06	75	0- 90	0.1158E-04	90-180	0.1073E-04
0-15.00	0.1000E-03	-7.5 TO 97.5	0.7872E-05	82.5-187.5	0.7816E-05	0	0-105	0.5594E-04	90-195	0.5594E-0
15-30.00	0.2933E-03	-7.5 TO 97.5	0.7328E-05	82.5-187.5	0.7208E-05	15	0-105	0.5413E-04	90-195	0.5355E-0
30-45.00	0.4665E-03	-7.5 TO 97.5	0.6251E-05	82.5-187.5	0.6086E-05	30	0-105	0.4833E-04	90-195	0.4731E-04
45-60.00	0.6080E-03	-7.5 TO 97.5	0.4732E-05	82.5-187.5	0.4555E-05	45	0-105	0.3904E-04	90-195	0.3781E-04
60-75.00	0.7080E-03	-7.5 TO 97.5	0.2900E-05	82.5-187.5	0.2744E-05	60	0-105	0.2707E-04	90-195	0.2588E-04
75-89.66	0.7422E-03	-7.5 TO 97.5	0.9312E-06	82.5-187.5	0.8287E-06	75	0-105	0.1343E-04	90-195	0.1248E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0051$ $\cosh \mu_2 = 35.7070$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 88.40$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.8408E-05	82.5- 97.5	0.8347E-05	0	0- 15	0.8503E-05	90-105	0.8503E-05
15-30.00	0.4190E-04	-7.5 TO 7.5	0.7865E-05	82.5- 97.5	0.7734E-05	15	0- 15	0.8280E-05	90-105	0.8178E-05
30-45.00	0.6665E-04	-7.5 TO 7.5	0.6745E-05	82.5- 97.5	0.6564E-05	30	0- 15	0.7438E-05	90-105	0.7258E-05
45-60.00	0.8686E-04	-7.5 TO 7.5	0.5133E-05	82.5- 97.5	0.4941E-05	45	0- 15	0.6045E-05	90-105	0.5828E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.3166E-05	82.5- 97.5	0.3002E-05	60	0- 15	0.4219E-05	90-105	0.4013E-05
75-89.66	0.1060E-03	-7.5 TO 7.5	0.1037E-05	82.5- 97.5	0.9356E-06	75	0- 15	0.2117E-05	90-105	0.1960E-05
0-15.00	0.2658E-04	-7.5 TO 22.5	0.8407E-05	82.5-112.5	0.8339E-05	0	0- 30	0.1701E-04	90-120	0.1701E-04
15-30.00	0.8379E-04	-7.5 TO 22.5	0.7863E-05	82.5-112.5	0.7717E-05	15	0- 30	0.1655E-04	90-120	0.1633E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.6742E-05	82.5-112.5	0.6541E-05	30	0- 30	0.1487E-04	90-120	0.1448E-04
45-60.00	0.1737E-03	-7.5 TO 22.5	0.5129E-05	82.5-112.5	0.4917E-05	45	0- 30	0.1208E-04	90-120	0.1161E-04
60-75.00	0.2023E-03	-7.5 TO 22.5	0.3163E-05	82.5-112.5	0.2981E-05	60	0- 30	0.8426E-05	90-120	0.7980E-05
75-89.66	0.2121E-03	-7.5 TO 22.5	0.1035E-05	82.5-112.5	0.9229E-06	75	0- 30	0.4224E-05	90-120	0.3887E-05
0-15.00	0.4287E-04	-7.5 TO 37.5	0.8404E-05	82.5-127.5	0.8331E-05	0	0- 45	0.2551E-04	90-135	0.2551E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.7858E-05	82.5-127.5	0.7701E-05	15	0- 45	0.2482E-04	90-135	0.2447E-04
30-45.00	0.1999E-03	-7.5 TO 37.5	0.6735E-05	82.5-127.5	0.6519E-05	30	0- 45	0.2227E-04	90-135	0.2166E-04
45-60.00	0.2606E-03	-7.5 TO 37.5	0.5122E-05	82.5-127.5	0.4893E-05	45	0- 45	0.1808E-04	90-135	0.1735E-04
60-75.00	0.3034E-03	-7.5 TO 37.5	0.3157E-05	82.5-127.5	0.2962E-05	60	0- 45	0.1261E-04	90-135	0.1191E-04
75-89.66	0.3181E-03	-7.5 TO 37.5	0.1031E-05	82.5-127.5	0.9110E-06	75	0- 45	0.6312E-05	90-135	0.5783E-05
0-15.00	0.5716E-04	-7.5 TO 52.5	0.8401E-05	82.5-142.5	0.8324E-05	0	0- 60	0.3401E-04	90-150	0.3401E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.7850E-05	82.5-142.5	0.7686E-05	15	0- 60	0.3306E-04	90-150	0.3259E-04
30-45.00	0.2666E-03	-7.5 TO 52.5	0.6724E-05	82.5-142.5	0.6499E-05	30	0- 60	0.2965E-04	90-150	0.2881E-04
45-60.00	0.3474E-03	-7.5 TO 52.5	0.5110E-05	82.5-142.5	0.4872E-05	45	0- 60	0.2405E-04	90-150	0.2305E-04
60-75.00	0.4046E-03	-7.5 TO 52.5	0.3147E-05	82.5-142.5	0.2944E-05	60	0- 60	0.1676E-04	90-150	0.1580E-04
75-89.66	0.4241E-03	-7.5 TO 52.5	0.1025E-05	82.5-142.5	0.9001E-06	75	0- 60	0.8374E-05	90-150	0.7655E-05
0-15.00	0.7145E-04	-7.5 TO 67.5	0.8396E-05	82.5-157.5	0.8318E-05	0	0- 75	0.4252E-04	90-165	0.4252E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.7840E-05	82.5-157.5	0.7673E-05	15	0- 75	0.4129E-04	90-165	0.4070E-04
30-45.00	0.3332E-03	-7.5 TO 67.5	0.6710E-05	82.5-157.5	0.6481E-05	30	0- 75	0.3699E-04	90-165	0.3595E-04
45-60.00	0.4343E-03	-7.5 TO 67.5	0.5095E-05	82.5-157.5	0.4854E-05	45	0- 75	0.2998E-04	90-165	0.2873E-04
60-75.00	0.5057E-03	-7.5 TO 67.5	0.3134E-05	82.5-157.5	0.2929E-05	60	0- 75	0.2086E-04	90-165	0.1967E-04
75-89.66	0.5301E-03	-7.5 TO 67.5	0.1017E-05	82.5-157.5	0.8906E-06	75	0- 75	0.1040E-04	90-165	0.9511E-05
0-15.00	0.8574E-04	-7.5 TO 82.5	0.8390E-05	82.5-172.5	0.8313E-05	0	0- 90	0.5102E-04	90-180	0.5102E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.7828E-05	82.5-172.5	0.7662E-05	15	0- 90	0.4949E-04	90-180	0.4880E-04
30-45.00	0.3999E-03	-7.5 TO 82.5	0.6693E-05	82.5-172.5	0.6467E-05	30	0- 90	0.4429E-04	90-180	0.4307E-04
45-60.00	0.5211E-03	-7.5 TO 82.5	0.5078E-05	82.5-172.5	0.4839E-05	45	0- 90	0.3586E-04	90-180	0.3440E-04
60-75.00	0.6069E-03	-7.5 TO 82.5	0.3119E-05	82.5-172.5	0.2916E-05	60	0- 90	0.2492E-04	90-180	0.2354E-04
75-89.66	0.6362E-03	-7.5 TO 82.5	0.1008E-05	82.5-172.5	0.8827E-06	75	0- 90	0.1240E-04	90-180	0.1136E-04
0-15.00	0.1000E-03	-7.5 TO 97.5	0.8384E-05	82.5-187.5	0.8309E-05	0	0-105	0.5952E-04	90-195	0.5952E-04
15-30.00	0.2933E-03	-7.5 TO 97.5	0.7814E-05	82.5-187.5	0.7654E-05	15	0-105	0.5767E-04	90-195	0.5690E-04
30-45.00	0.4665E-03	-7.5 TO 97.5	0.6675E-05	82.5-187.5	0.6455E-05	30	0-105	0.5155E-04	90-195	0.5019E-04
45-60.00	0.6080E-03	-7.5 TO 97.5	0.5058E-05	82.5-187.5	0.4827E-05	45	0-105	0.4169E-04	90-195	0.4006E-04
60-75.00	0.7080E-03	-7.5 TO 97.5	0.3102E-05	82.5-187.5	0.2906E-05	60	0-105	0.2894E-04	90-195	0.2740E-04
75-89.66	0.7422E-03	-7.5 TO 97.5	0.9977E-06	82.5-187.5	0.8766E-06	75	0-105	0.1436E-04	90-195	0.1320E-04

$r_2/r_1 = 0.70$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0051$ $\cosh \mu_2 = 35.7070$ $\alpha_{2,max} = 90.34$ $\theta_{2,min} = 88.05$

0-15.00	0.1429E-04	-7.5 TO 7.5	0.8408E-05	82.5- 97.5	0.8347E-05	0	0- 15	0.8503E-05	90-105	0.8503E-05
15-30.00	0.4190E-04	-7.5 TO 7.5	0.7865E-05	82.5- 97.5	0.7734E-05	15	0- 15	0.8280E-05	90-105	0.8178E-05
30-45.00	0.6665E-04	-7.5 TO 7.5	0.6745E-05	82.5- 97.5	0.6564E-05	30	0- 15	0.7438E-05	90-105	0.7258E-05
45-60.00	0.8686E-04	-7.5 TO 7.5	0.5133E-05	82.5- 97.5	0.4941E-05	45	0- 15	0.6045E-05	90-105	0.5828E-05
60-75.00	0.1011E-03	-7.5 TO 7.5	0.3166E-05	82.5- 97.5	0.3002E-05	60	0- 15	0.4220E-05	90-105	0.4013E-05
75-89.66	0.1060E-03	-7.5 TO 7.5	0.1037E-05	82.5- 97.5	0.9356E-06	75	0- 15	0.2117E-05	90-105	0.1960E-05
0-15.00	0.2658E-04	-7.5 TO 22.5	0.8407E-05	82.5-112.5	0.8339E-05	0	0- 30	0.1701E-04	90-120	0.1701E-04
15-30.00	0.8379E-04	-7.5 TO 22.5	0.7863E-05	82.5-112.5	0.7717E-05	15	0- 30	0.1655E-04	90-120	0.1633E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.6742E-05	82.5-112.5	0.6541E-05	30	0- 30	0.1487E-04	90-120	0.1448E-04
45-60.00	0.1737E-03	-7.5 TO 22.5	0.5129E-05	82.5-112.5	0.4917E-05	45	0- 30	0.1208E-04	90-120	0.1161E-04
60-75.00	0.2023E-03	-7.5 TO 22.5	0.3163E-05	82.5-112.5	0.2981E-05	60	0- 30	0.8426E-05	90-120	0.7980E-05
75-89.66	0.2121E-03	-7.5 TO 22.5	0.1036E-05	82.5-112.5	0.9229E-06	75	0- 30	0.4224E-05	90-120	0.3887E-05
0-15.00	0.4287E-04	-7.5 TO 37.5	0.8404E-05	82.5-127.5	0.8331E-05	0	0- 45	0.2551E-04	90-135	0.2551E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.7858E-05	82.5-127.5	0.7701E-05	15	0- 45	0.2482E-04	90-135	0.2447E-04
30-45.00	0.1999E-03	-7.5 TO 37.5	0.6735E-05	82.5-127.5	0.6519E-05	30	0- 45	0.2227E-04	90-135	0.2166E-04
45-60.00	0.2606E-03	-7.5 TO 37.5	0.5122E-05	82.5-127.5	0.4893E-05	45	0- 45	0.1808E-04	90-135	0.1735E-04
60-75.00	0.3034E-03	-7.5 TO 37.5	0.3157E-05	82.5-127.5	0.2962E-05	60	0- 45	0.1261E-04	90-135	0.1191E-04
75-89.66	0.3181E-03	-7.5 TO 37.5	0.1031E-05	82.5-127.5	0.9110E-06	75	0- 45	0.6312E-05	90-135	0.5783E-05
0-15.00	0.5716E-04	-7.5 TO 52.5	0.8401E-05	82.5-142.5	0.8324E-05	0	0- 60	0.3401E-04	90-150	0.3401E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.7850E-05	82.5-142.5	0.7686E-05	15	0- 60	0.3306E-04	90-150	0.3259E-04
30-45.00	0.2666E-03	-7.5 TO 52.5	0.6724E-05	82.5-142.5	0.6499E-05	30	0- 60	0.2965E-04	90-150	0.2881E-04
45-60.00	0.3474E-03	-7.5 TO 52.5	0.5110E-05	82.5-142.5	0.4872E-05	45	0- 60	0.2405E-04	90-150	0.2305E-04
60-75.00	0.4046E-03	-7.5 TO 52.5	0.3147E-05	82.5-142.5	0.2944E-05	60	0- 60	0.1676E-04	90-150	0.1580E-04
75-89.66	0.4241E-03	-7.5 TO 52.5	0.1025E-05	82.5-142.5	0.9001E-06	75	0- 60	0.8374E-05	90-150	0.7655E-05
0-15.00	0.7145E-04	-7.5 TO 67.5	0.8396E-05	82.5-157.5	0.8318E-05	0	0- 75	0.4252E-04	90-165	0.4252E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.7840E-05	82.5-157.5	0.7673E-05	15	0- 75	0.4129E-04	90-165	0.4070E-04
30-45.00	0.3332E-03	-7.5 TO 67.5	0.6710E-05	82.5-157.5	0.6481E-05	30	0- 75	0.3699E-04	90-165	0.3595E-04
45-60.00	0.4343E-03	-7.5 TO 67.5	0.5095E-05	82.5-157.5	0.4854E-05	45	0- 75	0.2998E-04	90-165	0.2873E-04
60-75.00	0.5057E-03	-7.5 TO 67.5	0.3134E-05	82.5-157.5	0.2929E-05	60	0- 75	0.2086E-04	90-165	0.1967E-04
75-89.66	0.5301E-03	-7.5 TO 67.5	0.1017E-05	82.5-157.5	0.8906E-06	75	0- 75	0.1040E-04	90-165	0.9511E-05
0-15.00	0.8574E-04	-7.5 TO 82.5	0.8390E-05	82.5-172.5	0.8313E-05	0	0- 90	0.5102E-04	90-180	0.5102E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.7828E-05	82.5-172.5	0.7662E-05	15	0- 90	0.4949E-04	90-180	0.4880E-04
30-45.00	0.3999E-03	-7.5 TO 82.5	0.6693E-05	82.5-172.5	0.6467E-05	30	0- 90	0.4429E-04	90-180	0.4307E-04
45-60.00	0.5211E-03	-7.5 TO 82.5	0.5078E-05	82.5-172.5	0.4839E-05	45	0- 90	0.3586E-04	90-180	0.3440E-04
60-75.00	0.6069E-03	-7.5 TO 82.5	0.3119E-05	82.5-172.5	0.2916E-05	60	0- 90	0.2492E-04	90-180	0.2354E-04
75-89.66	0.6362E-03	-7.5 TO 82.5	0.1008E-05	82.5-172.5	0.8827E-06	75	0- 90	0.1240E-04	90-180	0.1136E-04
0-15.00	0.1000E-03	-7.5 TO 97.5	0.8384E-05	82.5-187.5	0.8309E-05	0	0-105	0.5952E-04	90-195	0.5952E-04
15-30.00	0.2933E-03	-7.5 TO 97.5	0.7814E-05	82.5-187.5	0.7654E-05	15	0-105	0.5767E-04	90-195	0.5690E-04
30-45.00	0.4665E-03	-7.5 TO 97.5	0.6675E-05	82.5-187.5	0.6455E-05	30	0-105	0.5155E-04	90-195	0.5019E-04
45-60.00	0.6080E-03	-7.5 TO 97.5	0.5058E-05	82.5-187.5	0.4827E-05	45	0-105	0.4169E-04	90-195	0.4006E-04
60-75.00	0.7080E-03	-7.5 TO 97.5	0.3102E-05	82.5-187.5	0.2906E-05	60	0-105	0.2894E-04	90-195	0.2740E-04
75-89.66	0.7422E-03	-7.5 TO 97.5	0.9977E-06	82.5-187.5	0.8766E-06	75	0-105	0.1436E-04	90-195	0.1320E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0025$ $\cosh \mu_2 = 71.4249$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.79$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.1390E-06	82.5- 97.5	0.1390E-06	0	0- 15	0.1415E-06	90-105	0.1415E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1293E-06	82.5- 97.5	0.1291E-06	15	0- 15	0.1366E-06	90-105	0.1364E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1105E-06	82.5- 97.5	0.1102E-06	30	0- 15	0.1220E-06	90-105	0.1218E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.8406E-07	82.5- 97.5	0.8380E-07	45	0- 15	0.9896E-07	90-105	0.9868E-07
60-75.00	0.2526E-04	-7.5 TO 7.5	0.5205E-07	82.5- 97.5	0.5181E-07	60	0- 15	0.6920E-07	90-105	0.6891E-07
75-89.83	0.2680E-04	-7.5 TO 7.5	0.1710E-07	82.5- 97.5	0.1692E-07	75	0- 15	0.3497E-07	90-105	0.3472E-07
0-15.00	0.7139E-05	-7.5 TO 22.5	0.1390E-06	82.5-112.5	0.1390E-06	0	0- 30	0.2829E-06	90-120	0.2829E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1293E-06	82.5-112.5	0.1291E-06	15	0- 30	0.2731E-06	90-120	0.2729E-06
30-45.00	0.3329E-04	-7.5 TO 22.5	0.1105E-06	82.5-112.5	0.1102E-06	30	0- 30	0.2440E-06	90-120	0.2435E-06
45-60.00	0.4339E-04	-7.5 TO 22.5	0.8405E-07	82.5-112.5	0.8377E-07	45	0- 30	0.1979E-06	90-120	0.1973E-06
60-75.00	0.5053E-04	-7.5 TO 22.5	0.5205E-07	82.5-112.5	0.5177E-07	60	0- 30	0.1384E-06	90-120	0.1378E-06
75-89.83	0.5359E-04	-7.5 TO 22.5	0.1710E-07	82.5-112.5	0.1690E-07	75	0- 30	0.6993E-07	90-120	0.6938E-07
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1390E-06	82.5-127.5	0.1389E-06	0	0- 45	0.4244E-06	90-135	0.4244E-06
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1293E-06	82.5-127.5	0.1291E-06	15	0- 45	0.4097E-06	90-135	0.4092E-06
30-45.00	0.4994E-04	-7.5 TO 37.5	0.1105E-06	82.5-127.5	0.1102E-06	30	0- 45	0.3660E-06	90-135	0.3652E-06
45-60.00	0.6508E-04	-7.5 TO 37.5	0.8404E-07	82.5-127.5	0.8374E-07	45	0- 45	0.2968E-06	90-135	0.2959E-06
60-75.00	0.7579E-04	-7.5 TO 37.5	0.5204E-07	82.5-127.5	0.5174E-07	60	0- 45	0.2075E-06	90-135	0.2066E-06
75-89.83	0.8039E-04	-7.5 TO 37.5	0.1709E-07	82.5-127.5	0.1688E-07	75	0- 45	0.1049E-06	90-135	0.1040E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1390E-06	82.5-142.5	0.1389E-06	0	0- 60	0.5659E-06	90-150	0.5659E-06
15-30.00	0.4186E-04	-7.5 TO 52.5	0.1293E-06	82.5-142.5	0.1291E-06	15	0- 60	0.5462E-06	90-150	0.5456E-06
30-45.00	0.6659E-04	-7.5 TO 52.5	0.1105E-06	82.5-142.5	0.1102E-06	30	0- 60	0.4879E-06	90-150	0.4869E-06
45-60.00	0.8678E-04	-7.5 TO 52.5	0.8403E-07	82.5-142.5	0.8371E-07	45	0- 60	0.3957E-06	90-150	0.3944E-06
60-75.00	0.1011E-03	-7.5 TO 52.5	0.5202E-07	82.5-142.5	0.5172E-07	60	0- 60	0.2766E-06	90-150	0.2753E-06
75-89.83	0.1072E-03	-7.5 TO 52.5	0.1708E-07	82.5-142.5	0.1685E-07	75	0- 60	0.1397E-06	90-150	0.1386E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1390E-06	82.5-157.5	0.1389E-06	0	0- 75	0.7073E-06	90-165	0.7073E-06
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1293E-06	82.5-157.5	0.1291E-06	15	0- 75	0.6827E-06	90-165	0.6820E-06
30-45.00	0.8323E-04	-7.5 TO 67.5	0.1104E-06	82.5-157.5	0.1101E-06	30	0- 75	0.6098E-06	90-165	0.6085E-06
45-60.00	0.1085E-03	-7.5 TO 67.5	0.8401E-07	82.5-157.5	0.8368E-07	45	0- 75	0.4945E-06	90-165	0.4929E-06
60-75.00	0.1263E-03	-7.5 TO 67.5	0.5200E-07	82.5-157.5	0.5169E-07	60	0- 75	0.3457E-06	90-165	0.3440E-06
75-89.83	0.1340E-03	-7.5 TO 67.5	0.1707E-07	82.5-157.5	0.1684E-07	75	0- 75	0.1746E-06	90-165	0.1731E-06
0-15.00	0.2142E-04	-7.5 TO 82.5	0.1390E-06	82.5-172.5	0.1389E-06	0	0- 90	0.8488E-06	90-180	0.8488E-06
15-30.00	0.6279E-04	-7.5 TO 82.5	0.1292E-06	82.5-172.5	0.1290E-06	15	0- 90	0.8191E-06	90-180	0.8183E-06
30-45.00	0.9988E-04	-7.5 TO 82.5	0.1104E-06	82.5-172.5	0.1101E-06	30	0- 90	0.7317E-06	90-180	0.7301E-06
45-60.00	0.1302E-03	-7.5 TO 82.5	0.8398E-07	82.5-172.5	0.8366E-07	45	0- 90	0.5933E-06	90-180	0.5913E-06
60-75.00	0.1516E-03	-7.5 TO 82.5	0.5198E-07	82.5-172.5	0.5167E-07	60	0- 90	0.4147E-06	90-180	0.4127E-06
75-89.83	0.1608E-03	-7.5 TO 82.5	0.1705E-07	82.5-172.5	0.1682E-07	75	0- 90	0.2094E-06	90-180	0.2076E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.1390E-06	82.5-187.5	0.1389E-06	0	0-105	0.9903E-06	90-195	0.9903E-06
15-30.00	0.7325E-04	-7.5 TO 97.5	0.1292E-06	82.5-187.5	0.1290E-06	15	0-105	0.9556E-06	90-195	0.9547E-06
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1104E-06	82.5-187.5	0.1101E-06	30	0-105	0.8535E-06	90-195	0.8518E-06
45-60.00	0.1519E-03	-7.5 TO 97.5	0.8396E-07	82.5-187.5	0.8364E-07	45	0-105	0.6919E-06	90-195	0.6898E-06
60-75.00	0.1768E-03	-7.5 TO 97.5	0.5196E-07	82.5-187.5	0.5166E-07	60	0-105	0.4836E-06	90-195	0.4814E-06
75-89.83	0.1876E-03	-7.5 TO 97.5	0.1703E-07	82.5-187.5	0.1681E-07	75	0-105	0.2441E-06	90-195	0.2422E-06

$r_2/r_1 = 0.70$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0025$ $\cosh \mu_2 = 71.4249$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 149.60$

0-15.00	0.3569E-05	-7.5 TO 7.5	0.5184E-06	82.5- 97.5	0.5179E-06	0	0- 15	0.5272E-06	90-105	0.5272E-06
15-30.00	0.1046E-04	-7.5 TO 7.5	0.4824E-06	82.5- 97.5	0.4812E-06	15	0- 15	0.5093E-06	90-105	0.5084E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.4126E-06	82.5- 97.5	0.4109E-06	30	0- 15	0.4554E-06	90-105	0.4538E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.3142E-06	82.5- 97.5	0.3123E-06	45	0- 15	0.3697E-06	90-105	0.3676E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1949E-06	82.5- 97.5	0.1931E-06	60	0- 15	0.2588E-06	90-105	0.2567E-06
75-89.83	0.2680E-04	-7.5 TO 7.5	0.6439E-07	82.5- 97.5	0.6306E-07	75	0- 15	0.1311E-06	90-105	0.1293E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.5184E-06	82.5-112.5	0.5178E-06	0	0- 30	0.1054E-05	90-120	0.1054E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.4824E-06	82.5-112.5	0.4811E-06	15	0- 30	0.1019E-05	90-120	0.1017E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.4125E-06	82.5-112.5	0.4106E-06	30	0- 30	0.9108E-06	90-120	0.9072E-06
45-60.00	0.4339E-04	-7.5 TO 22.5	0.3142E-06	82.5-112.5	0.3121E-06	45	0- 30	0.7393E-06	90-120	0.7348E-06
60-75.00	0.5053E-04	-7.5 TO 22.5	0.1948E-06	82.5-112.5	0.1928E-06	60	0- 30	0.5175E-06	90-120	0.5129E-06
75-89.83	0.5359E-04	-7.5 TO 22.5	0.6437E-07	82.5-112.5	0.6289E-07	75	0- 30	0.2622E-06	90-120	0.2582E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.5184E-06	82.5-127.5	0.5177E-06	0	0- 45	0.1582E-05	90-135	0.1582E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.4824E-06	82.5-127.5	0.4809E-06	15	0- 45	0.1528E-05	90-135	0.1525E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.4125E-06	82.5-127.5	0.4104E-06	30	0- 45	0.1366E-05	90-135	0.1360E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.3141E-06	82.5-127.5	0.3118E-06	45	0- 45	0.1109E-05	90-135	0.1102E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.1948E-06	82.5-127.5	0.1926E-06	60	0- 45	0.7760E-06	90-135	0.7687E-06
75-89.83	0.8039E-04	-7.5 TO 37.5	0.6432E-07	82.5-127.5	0.6273E-07	75	0- 45	0.3930E-06	90-135	0.3867E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.5184E-06	82.5-142.5	0.5177E-06	0	0- 60	0.2109E-05	90-150	0.2109E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.4823E-06	82.5-142.5	0.4808E-06	15	0- 60	0.2037E-05	90-150	0.2033E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.4124E-06	82.5-142.5	0.4102E-06	30	0- 60	0.1821E-05	90-150	0.1813E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.3140E-06	82.5-142.5	0.3116E-06	45	0- 60	0.1478E-05	90-150	0.1468E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.1947E-06	82.5-142.5	0.1924E-06	60	0- 60	0.1034E-05	90-150	0.1024E-05
75-89.83	0.1072E-03	-7.5 TO 52.5	0.6424E-07	82.5-142.5	0.6258E-07	75	0- 60	0.5235E-06	90-150	0.5149E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.5183E-06	82.5-157.5	0.5176E-06	0	0- 75	0.2636E-05	90-165	0.2636E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.4822E-06	82.5-157.5	0.4807E-06	15	0- 75	0.2546E-05	90-165	0.2540E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.4122E-06	82.5-157.5	0.4101E-06	30	0- 75	0.2275E-05	90-165	0.2266E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.3138E-06	82.5-157.5	0.3114E-06	45	0- 75	0.1846E-05	90-165	0.1834E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1945E-06	82.5-157.5	0.1922E-06	60	0- 75	0.1292E-05	90-165	0.1279E-05
75-89.83	0.1340E-03	-7.5 TO 67.5	0.6414E-07	82.5-157.5	0.6245E-07	75	0- 75	0.6536E-06	90-165	0.6429E-06
0-15.00	0.2142E-04	-7.5 TO 82.5	0.5183E-06	82.5-172.5	0.5176E-06	0	0- 90	0.3163E-05	90-180	0.3163E-05
15-30.00	0.6279E-04	-7.5 TO 82.5	0.4821E-06	82.5-172.5	0.4806E-06	15	0- 90	0.3054E-05	90-180	0.3048E-05
30-45.00	0.9988E-04	-7.5 TO 82.5	0.4121E-06	82.5-172.5	0.4099E-06	30	0- 90	0.2730E-05	90-180	0.2718E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.3137E-06	82.5-172.5	0.3113E-06	45	0- 90	0.2214E-05	90-180	0.2200E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1944E-06	82.5-172.5	0.1921E-06	60	0- 90	0.1549E-05	90-180	0.1534E-05
75-89.83	0.1608E-03	-7.5 TO 82.5	0.6402E-07	82.5-172.5	0.6234E-07	75	0- 90	0.7833E-06	90-180	0.7707E-06
0-15.00	0.2498E-04	-7.5 TO 97.5	0.5182E-06	82.5-187.5	0.5175E-06	0	0-105	0.3690E-05	90-195	0.3690E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.4820E-06	82.5-187.5	0.4805E-06	15	0-105	0.3563E-05	90-195	0.3556E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.4119E-06	82.5-187.5	0.4098E-06	30	0-105	0.3183E-05	90-195	0.3171E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.3135E-06	82.5-187.5	0.3111E-06	45	0-105	0.2582E-05	90-195	0.2566E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.1942E-06	82.5-187.5	0.1920E-06	60	0-105	0.1806E-05	90-195	0.1789E-05
75-89.83	0.1876E-03	-7.5 TO 97.5	0.6388E-07	82.5-187.5	0.6225E-07	75	0-105	0.9126E-06	90-195	0.8986E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0025$ $\cosh \mu_2 = 71.4249$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 134.43$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.1035E-05	82.5- 97.5	0.1033E-05	0	0- 15	0.1052E-05	90-105	0.1052E-05
15-30.00	0.1046E-04	-7.5 TO 7.5	0.9639E-06	82.5- 97.5	0.9603E-06	15	0- 15	0.1017E-05	90-105	0.1014E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.8250E-06	82.5- 97.5	0.8199E-06	30	0- 15	0.9103E-06	90-105	0.9053E-06
45-60.00	0.2169E-04	-7.5 TO 7.5	0.6289E-06	82.5- 97.5	0.6232E-06	45	0- 15	0.7396E-06	90-105	0.7334E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.3905E-06	82.5- 97.5	0.3853E-06	60	0- 15	0.5183E-06	90-105	0.5120E-06
75-89.83	0.2680E-04	-7.5 TO 7.5	0.1297E-06	82.5- 97.5	0.1258E-06	75	0- 15	0.2632E-06	90-105	0.2578E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.1035E-05	82.5-112.5	0.1033E-05	0	0- 30	0.2104E-05	90-120	0.2104E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.9638E-06	82.5-112.5	0.9598E-06	15	0- 30	0.2034E-05	90-120	0.2028E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.8249E-06	82.5-112.5	0.8192E-06	30	0- 30	0.1820E-05	90-120	0.1810E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.6288E-06	82.5-112.5	0.6225E-06	45	0- 30	0.1479E-05	90-120	0.1465E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.3904E-06	82.5-112.5	0.3846E-06	60	0- 30	0.1036E-05	90-120	0.1023E-05
75-89.83	0.5359E-04	-7.5 TO 22.5	0.1296E-06	82.5-112.5	0.1254E-06	75	0- 30	0.5261E-06	90-120	0.5144E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1035E-05	82.5-127.5	0.1033E-05	0	0- 45	0.3156E-05	90-135	0.3156E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.9637E-06	82.5-127.5	0.9594E-06	15	0- 45	0.3051E-05	90-135	0.3041E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.8247E-06	82.5-127.5	0.8186E-06	30	0- 45	0.2730E-05	90-135	0.2713E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.6285E-06	82.5-127.5	0.6218E-06	45	0- 45	0.2217E-05	90-135	0.2196E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.3902E-06	82.5-127.5	0.3840E-06	60	0- 45	0.1553E-05	90-135	0.1532E-05
75-89.83	0.8039E-04	-7.5 TO 37.5	0.1295E-06	82.5-127.5	0.1249E-06	75	0- 45	0.7883E-06	90-135	0.7699E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1035E-05	82.5-142.5	0.1033E-05	0	0- 60	0.4208E-05	90-150	0.4208E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.9635E-06	82.5-142.5	0.9590E-06	15	0- 60	0.4067E-05	90-150	0.4054E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.8244E-06	82.5-142.5	0.8180E-06	30	0- 60	0.3638E-05	90-150	0.3615E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.6282E-06	82.5-142.5	0.6211E-06	45	0- 60	0.2955E-05	90-150	0.2926E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.3899E-06	82.5-142.5	0.3834E-06	60	0- 60	0.2070E-05	90-150	0.2040E-05
75-89.83	0.1072E-03	-7.5 TO 52.5	0.1292E-06	82.5-142.5	0.1245E-06	75	0- 60	0.1050E-05	90-150	0.1025E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1035E-05	82.5-157.5	0.1033E-05	0	0- 75	0.5260E-05	90-165	0.5260E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.9632E-06	82.5-157.5	0.9586E-06	15	0- 75	0.5083E-05	90-165	0.5067E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.8240E-06	82.5-157.5	0.8175E-06	30	0- 75	0.4546E-05	90-165	0.4517E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.6278E-06	82.5-157.5	0.6206E-06	45	0- 75	0.3691E-05	90-165	0.3655E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.3895E-06	82.5-157.5	0.3828E-06	60	0- 75	0.2585E-05	90-165	0.2548E-05
75-89.83	0.1340E-03	-7.5 TO 67.5	0.1289E-06	82.5-157.5	0.1241E-06	75	0- 75	0.1310E-05	90-165	0.1279E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.1035E-05	82.5-172.5	0.1032E-05	0	0- 90	0.6312E-05	90-180	0.6312E-05
15-30.00	0.6279E-04	-7.5 TO 82.5	0.9629E-06	82.5-172.5	0.9583E-06	15	0- 90	0.6098E-05	90-180	0.6079E-05
30-45.00	0.9588E-04	-7.5 TO 82.5	0.8235E-06	82.5-172.5	0.8171E-06	30	0- 90	0.5452E-05	90-180	0.5418E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.6272E-06	82.5-172.5	0.6201E-06	45	0- 90	0.4426E-05	90-180	0.4384E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.3890E-06	82.5-172.5	0.3824E-06	60	0- 90	0.3098E-05	90-180	0.3055E-05
75-89.83	0.1608E-03	-7.5 TO 82.5	0.1286E-06	82.5-172.5	0.1238E-06	75	0- 90	0.1569E-05	90-180	0.1532E-05
0-15.00	0.2498E-04	-7.5 TO 97.5	0.1034E-05	82.5-187.5	0.1032E-05	0	0-105	0.7364E-05	90-195	0.7364E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.9625E-06	82.5-187.5	0.9581E-06	15	0-105	0.7112E-05	90-195	0.7091E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.8230E-06	82.5-187.5	0.8168E-06	30	0-105	0.6358E-05	90-195	0.6320E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.6267E-06	82.5-187.5	0.6197E-06	45	0-105	0.5159E-05	90-195	0.5112E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.3885E-06	82.5-187.5	0.3821E-06	60	0-105	0.3610E-05	90-195	0.3562E-05
75-89.83	0.1876E-03	-7.5 TO 97.5	0.1282E-06	82.5-187.5	0.1235E-06	75	0-105	0.1827E-05	90-195	0.1786E-05

$r_2/r_1 = 0.70$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0025$ $\cosh \mu_2 = 71.4249$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 119.30$

0-15.00	0.3569E-05	-7.5 TO 7.5	0.1549E-05	82.5- 97.5	0.1546E-05	0	0- 15	0.1573E-05	90-105	0.1573E-05
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1443E-05	82.5- 97.5	0.1436E-05	15	0- 15	0.1523E-05	90-105	0.1517E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1236E-05	82.5- 97.5	0.1226E-05	30	0- 15	0.1364E-05	90-105	0.1354E-05
45-60.00	0.2169E-04	-7.5 TO 7.5	0.9433E-06	82.5- 97.5	0.9321E-06	45	0- 15	0.1109E-05	90-105	0.1096E-05
60-75.00	0.2526E-04	-7.5 TO 7.5	0.5865E-06	82.5- 97.5	0.5762E-06	60	0- 15	0.7779E-06	90-105	0.7654E-06
75-89.83	0.2680E-04	-7.5 TO 7.5	0.1955E-06	82.5- 97.5	0.1882E-06	75	0- 15	0.3957E-06	90-105	0.3853E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.1549E-05	82.5-112.5	0.1545E-05	0	0- 30	0.3147E-05	90-120	0.3147E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1443E-05	82.5-112.5	0.1435E-05	15	0- 30	0.3045E-05	90-120	0.3033E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.1236E-05	82.5-112.5	0.1225E-05	30	0- 30	0.2727E-05	90-120	0.2705E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.9431E-06	82.5-112.5	0.9306E-06	45	0- 30	0.2217E-05	90-120	0.2190E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.5863E-06	82.5-112.5	0.5749E-06	60	0- 30	0.1555E-05	90-120	0.1528E-05
75-89.83	0.5359E-04	-7.5 TO 22.5	0.1954E-06	82.5-112.5	0.1873E-06	75	0- 30	0.7908E-06	90-120	0.7683E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1549E-05	82.5-127.5	0.1545E-05	0	0- 45	0.4720E-05	90-135	0.4720E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1443E-05	82.5-127.5	0.1434E-05	15	0- 45	0.4566E-05	90-135	0.4547E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.1236E-05	82.5-127.5	0.1224E-05	30	0- 45	0.4089E-05	90-135	0.4055E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.9427E-06	82.5-127.5	0.9292E-06	45	0- 45	0.3324E-05	90-135	0.3281E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.5859E-06	82.5-127.5	0.5736E-06	60	0- 45	0.2331E-05	90-135	0.2288E-05
75-89.83	0.8039E-04	-7.5 TO 37.5	0.1951E-06	82.5-127.5	0.1864E-06	75	0- 45	0.1185E-05	90-135	0.1149E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1548E-05	82.5-142.5	0.1544E-05	0	0- 60	0.6294E-05	90-150	0.6294E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.1443E-05	82.5-142.5	0.1433E-05	15	0- 60	0.6087E-05	90-150	0.6061E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.1235E-05	82.5-142.5	0.1222E-05	30	0- 60	0.5449E-05	90-150	0.5402E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.9420E-06	82.5-142.5	0.9279E-06	45	0- 60	0.4429E-05	90-150	0.4371E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.5853E-06	82.5-142.5	0.5725E-06	60	0- 60	0.3104E-05	90-150	0.3046E-05
75-89.83	0.1072E-03	-7.5 TO 52.5	0.1946E-06	82.5-142.5	0.1856E-06	75	0- 60	0.1577E-05	90-150	0.1529E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1548E-05	82.5-157.5	0.1544E-05	0	0- 75	0.7867E-05	90-165	0.7867E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1442E-05	82.5-157.5	0.1433E-05	15	0- 75	0.7607E-05	90-165	0.7574E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.1234E-05	82.5-157.5	0.1221E-05	30	0- 75	0.6807E-05	90-165	0.6749E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.9411E-06	82.5-157.5	0.9268E-06	45	0- 75	0.5531E-05	90-165	0.5458E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.5845E-06	82.5-157.5	0.5715E-06	60	0- 75	0.3875E-05	90-165	0.3803E-05
75-89.83	0.1340E-03	-7.5 TO 67.5	0.1941E-06	82.5-157.5	0.1849E-06	75	0- 75	0.1967E-05	90-165	0.1907E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.1548E-05	82.5-172.5	0.1544E-05	0	0- 90	0.9440E-05	90-180	0.9440E-05
15-30.00	0.6279E-04	-7.5 TO 82.5	0.1441E-05	82.5-172.5	0.1432E-05	15	0- 90	0.9125E-05	90-180	0.9087E-05
30-45.00	0.9588E-04	-7.5 TO 82.5	0.1234E-05	82.5-172.5	0.1221E-05	30	0- 90	0.8163E-05	90-180	0.8095E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.9401E-06	82.5-172.5	0.9259E-06	45	0- 90	0.6630E-05	90-180	0.6545E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.5836E-06	82.5-172.5	0.5706E-06	60	0- 90	0.4644E-05	90-180	0.4559E-05
75-89.83	0.1608E-03	-7.5 TO 82.5	0.1934E-06	82.5-172.5	0.1843E-06	75	0- 90	0.2355E-05	90-180	0.2284E-05
0-15.00	0.2498E-04	-7.5 TO 97.5	0.1548E-05	82.5-187.5	0.1543E-05	0	0-105	0.1101E-04	90-195	0.1101E-04
15-30.00	0.7325E-04	-7.5 TO 97.5	0.1441E-05	82.5-187.5	0.1432E-05	15	0-105	0.1064E-04	90-195	0.1060E-04
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1232E-05	82.5-187.5	0.1220E-05	30	0-105	0.9517E-05	90-195	0.9441E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.9390E-06	82.5-187.5	0.9252E-06	45	0-105	0.7727E-05	90-195	0.7632E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.5825E-06	82.5-187.5	0.5700E-06	60	0-105	0.5409E-05	90-195	0.5315E-05
75-89.83	0.1876E-03	-7.5 TO 97.5	0.1927E-06	82.5-187.5	0.1838E-06	75	0-105	0.2740E-05	90-195	0.2661E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Continued. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0025$ $\cosh \mu_2 = 71.4249$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 104.22$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.1921E-05	82.5- 97.5	0.1916E-05	0	0- 15	0.1951E-05	90-105	0.1951E-05
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1792E-05	82.5- 97.5	0.1780E-05	15	0- 15	0.1889E-05	90-105	0.1880E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1536E-05	82.5- 97.5	0.1520E-05	30	0- 15	0.1694E-05	90-105	0.1678E-05
45-60.00	0.2169E-04	-7.5 TO 7.5	0.1173E-05	82.5- 97.5	0.1156E-05	45	0- 15	0.1379E-05	90-105	0.1359E-05
60-75.00	0.2526E-04	-7.5 TO 7.5	0.7301E-06	82.5- 97.5	0.7144E-06	60	0- 15	0.9678E-06	90-105	0.9485E-06
75-89.83	0.2680E-04	-7.5 TO 7.5	0.2439E-06	82.5- 97.5	0.2334E-06	75	0- 15	0.4930E-06	90-105	0.4774E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.1921E-05	82.5-112.5	0.1915E-05	0	0- 30	0.3901E-05	90-120	0.3901E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1792E-05	82.5-112.5	0.1779E-05	15	0- 30	0.3778E-05	90-120	0.3759E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.1536E-05	82.5-112.5	0.1518E-05	30	0- 30	0.3387E-05	90-120	0.3352E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1173E-05	82.5-112.5	0.1153E-05	45	0- 30	0.2756E-05	90-120	0.2713E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.7298E-06	82.5-112.5	0.7124E-06	60	0- 30	0.1935E-05	90-120	0.1893E-05
75-89.83	0.5359E-04	-7.5 TO 22.5	0.2438E-06	82.5-112.5	0.2320E-06	75	0- 30	0.9850E-06	90-120	0.9514E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1921E-05	82.5-127.5	0.1915E-05	0	0- 45	0.5852E-05	90-135	0.5852E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1791E-05	82.5-127.5	0.1778E-05	15	0- 45	0.5666E-05	90-135	0.5636E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.1536E-05	82.5-127.5	0.1516E-05	30	0- 45	0.5078E-05	90-135	0.5023E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.1172E-05	82.5-127.5	0.1151E-05	45	0- 45	0.4131E-05	90-135	0.4064E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.7292E-06	82.5-127.5	0.7105E-06	60	0- 45	0.2899E-05	90-135	0.2833E-05
75-89.83	0.8039E-04	-7.5 TO 37.5	0.2433E-06	82.5-127.5	0.2307E-06	75	0- 45	0.1475E-05	90-135	0.1422E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1921E-05	82.5-142.5	0.1914E-05	0	0- 60	0.7802E-05	90-150	0.7802E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.1791E-05	82.5-142.5	0.1776E-05	15	0- 60	0.7553E-05	90-150	0.7511E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.1535E-05	82.5-142.5	0.1514E-05	30	0- 60	0.6766E-05	90-150	0.6692E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.1171E-05	82.5-142.5	0.1149E-05	45	0- 60	0.5503E-05	90-150	0.5411E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.7283E-06	82.5-142.5	0.7087E-06	60	0- 60	0.3860E-05	90-150	0.3770E-05
75-89.83	0.1072E-03	-7.5 TO 52.5	0.2427E-06	82.5-142.5	0.2296E-06	75	0- 60	0.1963E-05	90-150	0.1891E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1920E-05	82.5-157.5	0.1914E-05	0	0- 75	0.9753E-05	90-165	0.9753E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1790E-05	82.5-157.5	0.1775E-05	15	0- 75	0.9437E-05	90-165	0.9385E-05
30-45.00	0.8323E-04	-7.5 TO 67.5	0.1533E-05	82.5-157.5	0.1513E-05	30	0- 75	0.8451E-05	90-165	0.8358E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1170E-05	82.5-157.5	0.1147E-05	45	0- 75	0.6871E-05	90-165	0.6757E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.7271E-06	82.5-157.5	0.7072E-06	60	0- 75	0.4817E-05	90-165	0.4705E-05
75-89.83	0.1340E-03	-7.5 TO 67.5	0.2419E-06	82.5-157.5	0.2285E-06	75	0- 75	0.2447E-05	90-165	0.2357E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.1920E-05	82.5-172.5	0.1913E-05	0	0- 90	0.1170E-04	90-180	0.1170E-04
15-30.00	0.6279E-04	-7.5 TO 82.5	0.1789E-05	82.5-172.5	0.1774E-05	15	0- 90	0.1132E-04	90-180	0.1126E-04
30-45.00	0.9988E-04	-7.5 TO 82.5	0.1532E-05	82.5-172.5	0.1511E-05	30	0- 90	0.1013E-04	90-180	0.1002E-04
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1168E-05	82.5-172.5	0.1146E-05	45	0- 90	0.8234E-05	90-180	0.8101E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.7256E-06	82.5-172.5	0.7059E-06	60	0- 90	0.5770E-05	90-180	0.5639E-05
75-89.83	0.1608E-03	-7.5 TO 82.5	0.2409E-06	82.5-172.5	0.2277E-06	75	0- 90	0.2928E-05	90-180	0.2823E-05
0-15.00	0.2498E-04	-7.5 TO 97.5	0.1919E-05	82.5-187.5	0.1913E-05	0	0-105	0.1365E-04	90-195	0.1365E-04
15-30.00	0.7325E-04	-7.5 TO 97.5	0.1788E-05	82.5-187.5	0.1773E-05	15	0-105	0.1320E-04	90-195	0.1313E-04
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1530E-05	82.5-187.5	0.1510E-05	30	0-105	0.1181E-04	90-195	0.1169E-04
45-60.00	0.1519E-03	-7.5 TO 97.5	0.1166E-05	82.5-187.5	0.1145E-05	45	0-105	0.9593E-05	90-195	0.9445E-05
60-75.00	0.1768E-03	-7.5 TO 97.5	0.7240E-06	82.5-187.5	0.7099E-06	60	0-105	0.6719E-05	90-195	0.6573E-05
75-89.83	0.1876E-03	-7.5 TO 97.5	0.2398E-06	82.5-187.5	0.2270E-06	75	0-105	0.3406E-05	90-195	0.3289E-05

$r_2/r_1 = 0.70$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0025$ $\cosh \mu_2 = 71.4249$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 89.20$

0-15.00	0.3569E-05	-7.5 TO 7.5	0.2054E-05	82.5- 97.5	0.2046E-05	0	0- 15	0.2083E-05	90-105	0.2083E-05
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1917E-05	82.5- 97.5	0.1901E-05	15	0- 15	0.2020E-05	90-105	0.2008E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1645E-05	82.5- 97.5	0.1623E-05	30	0- 15	0.1813E-05	90-105	0.1791E-05
45-60.00	0.2169E-04	-7.5 TO 7.5	0.1257E-05	82.5- 97.5	0.1234E-05	45	0- 15	0.1477E-05	90-105	0.1451E-05
60-75.00	0.2526E-04	-7.5 TO 7.5	0.7831E-06	82.5- 97.5	0.7630E-06	60	0- 15	0.1038E-05	90-105	0.1012E-05
75-89.83	0.2680E-04	-7.5 TO 7.5	0.2619E-06	82.5- 97.5	0.2492E-06	75	0- 15	0.5290E-06	90-105	0.5096E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.2053E-05	82.5-112.5	0.2045E-05	0	0- 30	0.4166E-05	90-120	0.4166E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1917E-05	82.5-112.5	0.1899E-05	15	0- 30	0.4039E-05	90-120	0.4013E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.1645E-05	82.5-112.5	0.1621E-05	30	0- 30	0.3625E-05	90-120	0.3578E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1257E-05	82.5-112.5	0.1231E-05	45	0- 30	0.2952E-05	90-120	0.2895E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.7828E-06	82.5-112.5	0.7604E-06	60	0- 30	0.2074E-05	90-120	0.2019E-05
75-89.83	0.5359E-04	-7.5 TO 22.5	0.2617E-06	82.5-112.5	0.2476E-06	75	0- 30	0.1057E-05	90-120	0.1015E-05
0-15.00	0.1071E-04	-7.5 TO 37.5	0.2053E-05	82.5-127.5	0.2044E-05	0	0- 45	0.6249E-05	90-135	0.6249E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1916E-05	82.5-127.5	0.1897E-05	15	0- 45	0.6057E-05	90-135	0.6016E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.1644E-05	82.5-127.5	0.1618E-05	30	0- 45	0.5434E-05	90-135	0.5360E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.1256E-05	82.5-127.5	0.1228E-05	45	0- 45	0.4425E-05	90-135	0.4335E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.7820E-06	82.5-127.5	0.7579E-06	60	0- 45	0.3107E-05	90-135	0.3021E-05
75-89.83	0.8039E-04	-7.5 TO 37.5	0.2612E-06	82.5-127.5	0.2461E-06	75	0- 45	0.1582E-05	90-135	0.1516E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.2053E-05	82.5-142.5	0.2044E-05	0	0- 60	0.8332E-05	90-150	0.8332E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.1915E-05	82.5-142.5	0.1896E-05	15	0- 60	0.8073E-05	90-150	0.8016E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.1643E-05	82.5-142.5	0.1616E-05	30	0- 60	0.7239E-05	90-150	0.7139E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.1255E-05	82.5-142.5	0.1226E-05	45	0- 60	0.5892E-05	90-150	0.5770E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.7808E-06	82.5-142.5	0.7557E-06	60	0- 60	0.4136E-05	90-150	0.4019E-05
75-89.83	0.1072E-03	-7.5 TO 52.5	0.2604E-06	82.5-142.5	0.2447E-06	75	0- 60	0.2105E-05	90-150	0.2015E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.2052E-05	82.5-157.5	0.2043E-05	0	0- 75	0.1042E-04	90-165	0.1042E-04
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1914E-05	82.5-157.5	0.1894E-05	15	0- 75	0.1009E-04	90-165	0.1002E-04
30-45.00	0.8323E-04	-7.5 TO 67.5	0.1641E-05	82.5-157.5	0.1613E-05	30	0- 75	0.9040E-05	90-165	0.8915E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1253E-05	82.5-157.5	0.1223E-05	45	0- 75	0.7355E-05	90-165	0.7203E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.7792E-06	82.5-157.5	0.7537E-06	60	0- 75	0.5160E-05	90-165	0.5014E-05
75-89.83	0.1340E-03	-7.5 TO 67.5	0.2595E-06	82.5-157.5	0.2435E-06	75	0- 75	0.2623E-05	90-165	0.2511E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.2051E-05	82.5-172.5	0.2042E-05	0	0- 90	0.1250E-04	90-180	0.1250E-04
15-30.00	0.6279E-04	-7.5 TO 82.5	0.1913E-05	82.5-172.5	0.1893E-05	15	0- 90	0.1210E-04	90-180	0.1201E-04
30-45.00	0.9988E-04	-7.5 TO 82.5	0.1639E-05	82.5-172.5	0.1612E-05	30	0- 90	0.1084E-04	90-180	0.1069E-04
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1251E-05	82.5-172.5	0.1221E-05	45	0- 90	0.8812E-05	90-180	0.8633E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.7774E-06	82.5-172.5	0.7521E-06	60	0- 90	0.6178E-05	90-180	0.6007E-05
75-89.83	0.1608E-03	-7.5 TO 82.5	0.2583E-06	82.5-172.5	0.2425E-06	75	0- 90	0.3137E-05	90-180	0.3006E-05
0-15.00	0.2498E-04	-7.5 TO 97.5	0.2051E-05	82.5-187.5	0.2042E-05	0	0-105	0.1458E-04	90-195	0.1458E-04
15-30.00	0.7325E-04	-7.5 TO 97.5	0.1911E-05	82.5-187.5	0.1892E-05	15	0-105	0.1411E-04	90-195	0.1401E-04
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1637E-05	82.5-187.5	0.1610E-05	30	0-105	0.1263E-04	90-195	0.1246E-04
45-60.00	0.1519E-03	-7.5 TO 97.5	0.1248E-05	82.5-187.5	0.1220E-05	45	0-105	0.1026E-04	90-195	0.1006E-04
60-75.00	0.1768E-03	-7.5 TO 97.5	0.7753E-06	82.5-187.5	0.7508E-06	60	0-105	0.7191E-05	90-195	0.7000E-05
75-89.83	0.1876E-03	-7.5 TO 97.5	0.2570E-06	82.5-187.5	0.2417E-06	75	0-105	0.3646E-05	90-195	0.3501E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(h) Concluded. Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0025$ $\cosh \mu_2 = 71.4249$ $\alpha_{2,max} = 90.17$ $\theta_{2,min} = 89.03$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_0}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.2054E-05	82.5- 97.5	0.2046E-05	0	0- 15	0.2083E-05	90-105	0.2083E-05
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1917E-05	82.5- 97.5	0.1901E-05	15	0- 15	0.2020E-05	90-105	0.2008E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1645E-05	82.5- 97.5	0.1623E-05	30	0- 15	0.1813E-05	90-105	0.1791E-05
45-60.00	0.2169E-04	-7.5 TO 7.5	0.1257E-05	82.5- 97.5	0.1234E-05	45	0- 15	0.1477E-05	90-105	0.1451E-05
60-75.00	0.2526E-04	-7.5 TO 7.5	0.7831E-06	82.5- 97.5	0.7630E-06	60	0- 15	0.1038E-05	90-105	0.1012E-05
75-89.83	0.2680E-04	-7.5 TO 7.5	0.2619E-06	82.5- 97.5	0.2492E-06	75	0- 15	0.5290E-06	90-105	0.5096E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.2053E-05	82.5-112.5	0.2045E-05	0	0- 30	0.4166E-05	90-120	0.4166E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1917E-05	82.5-112.5	0.1899E-05	15	0- 30	0.4039E-05	90-120	0.4013E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.1645E-05	82.5-112.5	0.1621E-05	30	0- 30	0.3625E-05	90-120	0.3578E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1257E-05	82.5-112.5	0.1231E-05	45	0- 30	0.2952E-05	90-120	0.2895E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.7828E-06	82.5-112.5	0.7604E-06	60	0- 30	0.2074E-05	90-120	0.2019E-05
75-89.83	0.5359E-04	-7.5 TO 22.5	0.2617E-06	82.5-112.5	0.2476E-06	75	0- 30	0.1057E-05	90-120	0.1015E-05
0-15.00	0.1071E-04	-7.5 TO 37.5	0.2053E-05	82.5-127.5	0.2044E-05	0	0- 45	0.6249E-05	90-135	0.6249E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1916E-05	82.5-127.5	0.1897E-05	15	0- 45	0.6057E-05	90-135	0.6016E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.1644E-05	82.5-127.5	0.1618E-05	30	0- 45	0.5434E-05	90-135	0.5360E-05
45-60.00	0.6508E-04	-7.5 TO 37.5	0.1256E-05	82.5-127.5	0.1228E-05	45	0- 45	0.4425E-05	90-135	0.4335E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.7820E-06	82.5-127.5	0.7579E-06	60	0- 45	0.3107E-05	90-135	0.3021E-05
75-89.83	0.9039E-04	-7.5 TO 37.5	0.2612E-06	82.5-127.5	0.2461E-06	75	0- 45	0.1582E-05	90-135	0.1516E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.2053E-05	82.5-142.5	0.2044E-05	0	0- 60	0.8332E-05	90-150	0.8332E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.1915E-05	82.5-142.5	0.1896E-05	15	0- 60	0.8073E-05	90-150	0.8016E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.1643E-05	82.5-142.5	0.1616E-05	30	0- 60	0.7239E-05	90-150	0.7139E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.1255E-05	82.5-142.5	0.1226E-05	45	0- 60	0.5892E-05	90-150	0.5770E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.7808E-06	82.5-142.5	0.7557E-06	60	0- 60	0.4136E-05	90-150	0.4019E-05
75-89.83	0.1072E-03	-7.5 TO 52.5	0.2604E-06	82.5-142.5	0.2447E-06	75	0- 60	0.2105E-05	90-150	0.2015E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.2052E-05	82.5-157.5	0.2043E-05	0	0- 75	0.1042E-04	90-165	0.1042E-04
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1914E-05	82.5-157.5	0.1894E-05	15	0- 75	0.1009E-04	90-165	0.1002E-04
30-45.00	0.8323E-04	-7.5 TO 67.5	0.1641E-05	82.5-157.5	0.1613E-05	30	0- 75	0.9040E-05	90-165	0.8915E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1253E-05	82.5-157.5	0.1223E-05	45	0- 75	0.7355E-05	90-165	0.7203E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.7792E-06	82.5-157.5	0.7537E-06	60	0- 75	0.5160E-05	90-165	0.5014E-05
75-89.83	0.1340E-03	-7.5 TO 67.5	0.2595E-06	82.5-157.5	0.2435E-06	75	0- 75	0.2623E-05	90-165	0.2511E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.2051E-05	82.5-172.5	0.2042E-05	0	0- 90	0.1250E-04	90-180	0.1250E-04
15-30.00	0.6279E-04	-7.5 TO 82.5	0.1913E-05	82.5-172.5	0.1893E-05	15	0- 90	0.1210E-04	90-180	0.1201E-04
30-45.00	0.9988E-04	-7.5 TO 82.5	0.1639E-05	82.5-172.5	0.1612E-05	30	0- 90	0.1084E-04	90-180	0.1069E-04
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1251E-05	82.5-172.5	0.1221E-05	45	0- 90	0.8812E-05	90-180	0.8633E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.7774E-06	82.5-172.5	0.7521E-06	60	0- 90	0.6178E-05	90-180	0.6007E-05
75-89.83	0.1608E-03	-7.5 TO 82.5	0.2583E-06	82.5-172.5	0.2425E-06	75	0- 90	0.3137E-05	90-180	0.3006E-05
0-15.00	0.2498E-04	-7.5 TO 97.5	0.2051E-05	82.5-187.5	0.2042E-05	0	0-105	0.1458E-04	90-195	0.1458E-04
15-30.00	0.7325E-04	-7.5 TO 97.5	0.1911E-05	82.5-187.5	0.1892E-05	15	0-105	0.1411E-04	90-195	0.1401E-04
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1637E-05	82.5-187.5	0.1610E-05	30	0-105	0.1263E-04	90-195	0.1246E-04
45-60.00	0.1519E-03	-7.5 TO 97.5	0.1248E-05	82.5-187.5	0.1220E-05	45	0-105	0.1026E-04	90-195	0.1006E-04
60-75.00	0.1768E-03	-7.5 TO 97.5	0.7753E-06	82.5-187.5	0.7508E-06	60	0-105	0.7191E-05	90-195	0.7000E-05
75-89.83	0.1876E-03	-7.5 TO 97.5	0.2570E-06	82.5-187.5	0.2417E-06	75	0-105	0.3646E-05	90-195	0.3501E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(i) Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 1.801$ $\cosh \mu_1 = 1.0004$ $\cosh \mu_2 = 1.0007$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 16.11$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1003E 02	-7.5 TO 7.5	0.3463E 00	82.5- 97.5	0.5593E-05	0	0- 15	0.4161E-01	90-105	0.4161E-01
15-30.00	0.2541E 02	-7.5 TO 7.5	0.2647E-02	82.5- 97.5	0.	15	0- 15	0.2400E-01	90-105	0.
30-45.00	0.4679E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	30	0- 15	0.	90-105	0.
45-60.00	0.6658E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
60-75.00	0.7101E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-83.62	0.4351E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.2007E 02	-7.5 TO 22.5	0.2230E 00	82.5-112.5	0.4110E-05	0	0- 30	0.8322E-01	90-120	0.8322E-01
15-30.00	0.5883E 02	-7.5 TO 22.5	0.2166E-02	82.5-112.5	0.	15	0- 30	0.3185E-01	90-120	0.
30-45.00	0.9358E 02	-7.5 TO 22.5	0.	82.5-112.5	0.	30	0- 30	0.	90-120	0.
45-60.00	0.1220E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
60-75.00	0.1420E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-83.62	0.8702E 02	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.3010E 02	-7.5 TO 37.5	0.1524E 00	82.5-127.5	0.3369E-05	0	0- 45	0.1248E 00	90-135	0.1248E 00
15-30.00	0.6824E 02	-7.5 TO 37.5	0.1627E-02	82.5-127.5	0.	15	0- 45	0.3364E-01	90-135	0.
30-45.00	0.1404E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	30	0- 45	0.	90-135	0.
45-60.00	0.1829E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
60-75.00	0.2130E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-83.62	0.1305E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.4013E 02	-7.5 TO 52.5	0.1148E 00	82.5-142.5	0.2898E-05	0	0- 60	0.1664E 00	90-150	0.1664E 00
15-30.00	0.1177E 03	-7.5 TO 52.5	0.1249E-02	82.5-142.5	0.	15	0- 60	0.3399E-01	90-150	0.
30-45.00	0.1872E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	30	0- 60	0.	90-150	0.
45-60.00	0.2439E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
60-75.00	0.2841E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-83.62	0.1740E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.5016E 02	-7.5 TO 67.5	0.9188E-01	82.5-157.5	0.2570E-05	0	0- 75	0.2081E 00	90-165	0.2081E 00
15-30.00	0.1471E 03	-7.5 TO 67.5	0.1003E-02	82.5-157.5	0.	15	0- 75	0.3403E-01	90-165	0.
30-45.00	0.2340E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	30	0- 75	0.	90-165	0.
45-60.00	0.3049E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
60-75.00	0.3551E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-83.62	0.2175E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.6020E 02	-7.5 TO 82.5	0.7657E-01	82.5-172.5	0.2332E-05	0	0- 90	0.2497E 00	90-180	0.2497E 00
15-30.00	0.1765E 03	-7.5 TO 82.5	0.8357E-03	82.5-172.5	0.	15	0- 90	0.3403E-01	90-180	0.
30-45.00	0.2808E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	30	0- 90	0.	90-180	0.
45-60.00	0.3659E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
60-75.00	0.4261E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-83.62	0.2611E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.7023E 02	-7.5 TO 97.5	0.6564E-01	82.5-187.5	0.2157E-05	0	0-105	0.2913E 00	90-195	0.2913E 00
15-30.00	0.2059E 03	-7.5 TO 97.5	0.7163E-03	82.5-187.5	0.	15	0-105	0.3403E-01	90-195	0.
30-45.00	0.3275E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	30	0-105	0.	90-195	0.
45-60.00	0.4269E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.
60-75.00	0.4971E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-83.62	0.3046E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

$r_2/r_1 = 0.80$ $d/r_1 = 1.801$ $\cosh \mu_1 = 1.0004$ $\cosh \mu_2 = 1.0007$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 7.95$

0-15.00	0.1003E 02	-7.5 TO 7.5	0.4640E 00	82.5- 97.5	0.5581E-05	0	0- 15	0.4161E-01	90-105	0.4161E-01
15-30.00	0.2541E 02	-7.5 TO 7.5	0.1105E 00	82.5- 97.5	0.	15	0- 15	0.2626E 00	90-105	0.
30-45.00	0.4679E 02	-7.5 TO 7.5	0.5575E-02	82.5- 97.5	0.	30	0- 15	0.1974E-01	90-105	0.
45-60.00	0.6658E 02	-7.5 TO 7.5	0.6011E-04	82.5- 97.5	0.	45	0- 15	0.4716E-03	90-105	0.
60-75.00	0.7101E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-83.62	0.4351E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.2007E 02	-7.5 TO 22.5	0.3112E 00	82.5-112.5	0.4124E-05	0	0- 30	0.8322E-01	90-120	0.8322E-01
15-30.00	0.5883E 02	-7.5 TO 22.5	0.8723E-01	82.5-112.5	0.	15	0- 30	0.3296E 00	90-120	0.
30-45.00	0.9358E 02	-7.5 TO 22.5	0.4820E-02	82.5-112.5	0.	30	0- 30	0.2956E-01	90-120	0.
45-60.00	0.1220E 03	-7.5 TO 22.5	0.4874E-04	82.5-112.5	0.	45	0- 30	0.6651E-03	90-120	0.
60-75.00	0.1420E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-83.62	0.8702E 02	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.3010E 02	-7.5 TO 37.5	0.2155E 00	82.5-127.5	0.3378E-05	0	0- 45	0.1248E 00	90-135	0.1248E 00
15-30.00	0.6824E 02	-7.5 TO 37.5	0.6426E-01	82.5-127.5	0.	15	0- 45	0.3429E 00	90-135	0.
30-45.00	0.1404E 03	-7.5 TO 37.5	0.3770E-02	82.5-127.5	0.	30	0- 45	0.3262E-01	90-135	0.
45-60.00	0.1829E 03	-7.5 TO 37.5	0.3459E-04	82.5-127.5	0.	45	0- 45	0.6789E-03	90-135	0.
60-75.00	0.2130E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-83.62	0.1305E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.4013E 02	-7.5 TO 52.5	0.1627E 00	82.5-142.5	0.2905E-05	0	0- 60	0.1664E 00	90-150	0.1664E 00
15-30.00	0.1177E 03	-7.5 TO 52.5	0.4925E-01	82.5-142.5	0.	15	0- 60	0.3454E 00	90-150	0.
30-45.00	0.1872E 03	-7.5 TO 52.5	0.2928E-02	82.5-142.5	0.	30	0- 60	0.3326E-01	90-150	0.
45-60.00	0.2439E 03	-7.5 TO 52.5	0.2598E-04	82.5-142.5	0.	45	0- 60	0.6789E-03	90-150	0.
60-75.00	0.2841E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-83.62	0.1740E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.5016E 02	-7.5 TO 67.5	0.1303E 00	82.5-157.5	0.2576E-05	0	0- 75	0.2081E 00	90-165	0.2081E 00
15-30.00	0.1471E 03	-7.5 TO 67.5	0.3956E-01	82.5-157.5	0.	15	0- 75	0.3457E 00	90-165	0.
30-45.00	0.2340E 03	-7.5 TO 67.5	0.2353E-02	82.5-157.5	0.	30	0- 75	0.3333E-01	90-165	0.
45-60.00	0.3049E 03	-7.5 TO 67.5	0.2078E-04	82.5-157.5	0.	45	0- 75	0.6789E-03	90-165	0.
60-75.00	0.3551E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-83.62	0.2175E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.6020E 02	-7.5 TO 82.5	0.1086E 00	82.5-172.5	0.2337E-05	0	0- 90	0.2497E 00	90-180	0.2497E 00
15-30.00	0.1765E 03	-7.5 TO 82.5	0.3298E-01	82.5-172.5	0.	15	0- 90	0.3457E 00	90-180	0.
30-45.00	0.2808E 03	-7.5 TO 82.5	0.1961E-02	82.5-172.5	0.	30	0- 90	0.3333E-01	90-180	0.
45-60.00	0.3659E 03	-7.5 TO 82.5	0.1732E-04	82.5-172.5	0.	45	0- 90	0.6789E-03	90-180	0.
60-75.00	0.4261E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-83.62	0.2611E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.7023E 02	-7.5 TO 97.5	0.9306E-01	82.5-187.5	0.2161E-05	0	0-105	0.2913E 00	90-195	0.2913E 00
15-30.00	0.2059E 03	-7.5 TO 97.5	0.2827E-01	82.5-187.5	0.	15	0-105	0.3457E 00	90-195	0.
30-45.00	0.3215E 03	-7.5 TO 97.5	0.1681E-02	82.5-187.5	0.	30	0-105	0.3333E-01	90-195	0.
45-60.00	0.4269E 03	-7.5 TO 97.5	0.1485E-04	82.5-187.5	0.	45	0-105	0.6789E-03	90-195	0.
60-75.00	0.4971E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-83.62	0.3046E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(1) Continued. Radius ratio, r_2/r_1, 0.80

r_2/r_1 = 0.80 d/r_1 = 1.801 cosh μ_1 = 1.0004 cosh μ_2 = 1.0007 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 5.15

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1003E 02	-7.5 TO 7.5	0.4662E 00	82.5- 97.5	0.5581E-05	0	0- 15	0.4161E-01	90-105	0.4161E-01
15-30.00	0.2541E 02	-7.5 TO 7.5	0.1651E 00	82.5- 97.5	0.	15	0- 15	0.2697E 00	90-105	0.
30-45.00	0.4679E 02	-7.5 TO 7.5	0.3230E-01	82.5- 97.5	0.	30	0- 15	0.7220E-01	90-105	0.
45-60.00	0.6858E 02	-7.5 TO 7.5	0.3545E-02	82.5- 97.5	0.	45	0- 15	0.9659E-02	90-105	0.
60-75.00	0.7101E 02	-7.5 TO 7.5	0.6764E-04	82.5- 97.5	0.	60	0- 15	0.4608E-03	90-105	0.
75-83.62	0.4351E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.2007E 02	-7.5 TO 22.5	0.3130E 00	82.5-112.5	0.4124E-05	0	0- 30	0.8322E-01	90-120	0.8322E-01
15-30.00	0.5883E 02	-7.5 TO 22.5	0.1331E 00	82.5-112.5	0.	15	0- 30	0.3406E 00	90-120	0.
30-45.00	0.9358E 02	-7.5 TO 22.5	0.2809E-01	82.5-112.5	0.	30	0- 30	0.1081E 00	90-120	0.
45-60.00	0.1220E 03	-7.5 TO 22.5	0.3131E-02	82.5-112.5	0.	45	0- 30	0.1536E-01	90-120	0.
60-75.00	0.1420E 03	-7.5 TO 22.5	0.5433E-04	82.5-112.5	0.	60	0- 30	0.6451E-03	90-120	0.
75-83.62	0.8702E 02	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.3010E 02	-7.5 TO 37.5	0.2168E 00	82.5-127.5	0.3378E-05	0	0- 45	0.1248E 00	90-135	0.1248E 00
15-30.00	0.8824E 02	-7.5 TO 37.5	0.9949E-01	82.5-127.5	0.	15	0- 45	0.3546E 00	90-135	0.
30-45.00	0.1404E 03	-7.5 TO 37.5	0.2224E-01	82.5-127.5	0.	30	0- 45	0.1197E 00	90-135	0.
45-60.00	0.1829E 03	-7.5 TO 37.5	0.2492E-02	82.5-127.5	0.	45	0- 45	0.1743E-01	90-135	0.
60-75.00	0.2130E 03	-7.5 TO 37.5	0.3835E-04	82.5-127.5	0.	60	0- 45	0.6554E-03	90-135	0.
75-83.62	0.1305E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.4013E 02	-7.5 TO 52.5	0.1637E 00	82.5-142.5	0.2905E-05	0	0- 60	0.1664E 00	90-150	0.1664E 00
15-30.00	0.1177E 03	-7.5 TO 52.5	0.7657E-01	82.5-142.5	0.	15	0- 60	0.3571E 00	90-150	0.
30-45.00	0.1872E 03	-7.5 TO 52.5	0.1748E-01	82.5-142.5	0.	30	0- 60	0.1225E 00	90-150	0.
45-60.00	0.2439E 03	-7.5 TO 52.5	0.1941E-02	82.5-142.5	0.	45	0- 60	0.1784E-01	90-150	0.
60-75.00	0.2841E 03	-7.5 TO 52.5	0.2879E-04	82.5-142.5	0.	60	0- 60	0.6554E-03	90-150	0.
75-83.62	0.1740E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.5016E 02	-7.5 TO 67.5	0.1311E 00	82.5-157.5	0.2576E-05	0	0- 75	0.2081E 00	90-165	0.2081E 00
15-30.00	0.1471E 03	-7.5 TO 67.5	0.6154E-01	82.5-157.5	0.	15	0- 75	0.3574E 00	90-165	0.
30-45.00	0.2340E 03	-7.5 TO 67.5	0.1411E-01	82.5-157.5	0.	30	0- 75	0.1228E 00	90-165	0.
45-60.00	0.3049E 03	-7.5 TO 67.5	0.1558E-02	82.5-157.5	0.	45	0- 75	0.1786E-01	90-165	0.
60-75.00	0.3551E 03	-7.5 TO 67.5	0.2303E-04	82.5-157.5	0.	60	0- 75	0.6554E-03	90-165	0.
75-83.62	0.2175E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.6020E 02	-7.5 TO 82.5	0.1093E 00	82.5-172.5	0.2337E-05	0	0- 90	0.2497E 00	90-180	0.2497E 00
15-30.00	0.1765E 03	-7.5 TO 82.5	0.5131E-01	82.5-172.5	0.	15	0- 90	0.3574E 00	90-180	0.
30-45.00	0.2808E 03	-7.5 TO 82.5	0.1177E-01	82.5-172.5	0.	30	0- 90	0.1228E 00	90-180	0.
45-60.00	0.3659E 03	-7.5 TO 82.5	0.1299E-02	82.5-172.5	0.	45	0- 90	0.1786E-01	90-180	0.
60-75.00	0.4261E 03	-7.5 TO 82.5	0.1920E-04	82.5-172.5	0.	60	0- 90	0.6554E-03	90-180	0.
75-83.62	0.2611E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.7023E 02	-7.5 TO 97.5	0.9366E-01	82.5-187.5	0.2161E-05	0	0-105	0.2913E 00	90-195	0.2913E 00
15-30.00	0.2059E 03	-7.5 TO 97.5	0.4398E-01	82.5-187.5	0.	15	0-105	0.3574E 00	90-195	0.
30-45.00	0.3275E 03	-7.5 TO 97.5	0.1009E-01	82.5-187.5	0.	30	0-105	0.1228E 00	90-195	0.
45-60.00	0.4269E 03	-7.5 TO 97.5	0.1113E-02	82.5-187.5	0.	45	0-105	0.1786E-01	90-195	0.
60-75.00	0.4971E 03	-7.5 TO 97.5	0.1645E-04	82.5-187.5	0.	60	0-105	0.6554E-03	90-195	0.
75-83.62	0.3046E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

r_2/r_1 = 0.80 d/r_1 = 1.801 cosh μ_1 = 1.0004 cosh μ_2 = 1.0007 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 3.70

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1003E 02	-7.5 TO 7.5	0.4662E 00	82.5- 97.5	0.5581E-05	0	0- 15	0.4161E-01	90-105	0.4161E-01
15-30.00	0.2541E 02	-7.5 TO 7.5	0.1728E 00	82.5- 97.5	0.	15	0- 15	0.2697E 00	90-105	0.
30-45.00	0.4679E 02	-7.5 TO 7.5	0.4934E-01	82.5- 97.5	0.	30	0- 15	0.8905E-01	90-105	0.
45-60.00	0.6858E 02	-7.5 TO 7.5	0.1004E-01	82.5- 97.5	0.	45	0- 15	0.2111E-01	90-105	0.
60-75.00	0.7101E 02	-7.5 TO 7.5	0.1002E-02	82.5- 97.5	0.	60	0- 15	0.3108E-02	90-105	0.
75-83.62	0.4351E 02	-7.5 TO 7.5	0.1066E-05	82.5- 97.5	0.	75	0- 15	0.1104E-04	90-105	0.
0-15.00	0.2007E 02	-7.5 TO 22.5	0.3130E 00	82.5-112.5	0.4124E-05	0	0- 30	0.8322E-01	90-120	0.8322E-01
15-30.00	0.5883E 02	-7.5 TO 22.5	0.1399E 00	82.5-112.5	0.	15	0- 30	0.3406E 00	90-120	0.
30-45.00	0.9358E 02	-7.5 TO 22.5	0.4324E-01	82.5-112.5	0.	30	0- 30	0.1346E 00	90-120	0.
45-60.00	0.1220E 03	-7.5 TO 22.5	0.9000E-02	82.5-112.5	0.	45	0- 30	0.3408E-01	90-120	0.
60-75.00	0.1420E 03	-7.5 TO 22.5	0.8755E-03	82.5-112.5	0.	60	0- 30	0.4960E-02	90-120	0.
75-83.62	0.8702E 02	-7.5 TO 22.5	0.6798E-06	82.5-112.5	0.	75	0- 30	0.1106E-04	90-120	0.
0-15.00	0.3010E 02	-7.5 TO 37.5	0.2168E 00	82.5-127.5	0.3378E-05	0	0- 45	0.1248E 00	90-135	0.1248E 00
15-30.00	0.8824E 02	-7.5 TO 37.5	0.1048E 00	82.5-127.5	0.	15	0- 45	0.3546E 00	90-135	0.
30-45.00	0.1404E 03	-7.5 TO 37.5	0.3453E-01	82.5-127.5	0.	30	0- 45	0.1494E 00	90-135	0.
45-60.00	0.1829E 03	-7.5 TO 37.5	0.7340E-02	82.5-127.5	0.	45	0- 45	0.3925E-01	90-135	0.
60-75.00	0.2130E 03	-7.5 TO 37.5	0.6816E-03	82.5-127.5	0.	60	0- 45	0.5553E-02	90-135	0.
75-83.62	0.1305E 03	-7.5 TO 37.5	0.4533E-06	82.5-127.5	0.	75	0- 45	0.1106E-04	90-135	0.
0-15.00	0.4013E 02	-7.5 TO 52.5	0.1637E 00	82.5-142.5	0.2905E-05	0	0- 60	0.1664E 00	90-150	0.1664E 00
15-30.00	0.1177E 03	-7.5 TO 52.5	0.8065E-01	82.5-142.5	0.	15	0- 60	0.3571E 00	90-150	0.
30-45.00	0.1872E 03	-7.5 TO 52.5	0.2723E-01	82.5-142.5	0.	30	0- 60	0.1527E 00	90-150	0.
45-60.00	0.2439E 03	-7.5 TO 52.5	0.5821E-02	82.5-142.5	0.	45	0- 60	0.4055E-01	90-150	0.
60-75.00	0.2841E 03	-7.5 TO 52.5	0.5229E-03	82.5-142.5	0.	60	0- 60	0.5611E-02	90-150	0.
75-83.62	0.1740E 03	-7.5 TO 52.5	0.3400E-06	82.5-142.5	0.	75	0- 60	0.1106E-04	90-150	0.
0-15.00	0.5016E 02	-7.5 TO 67.5	0.1311E 00	82.5-157.5	0.2576E-05	0	0- 75	0.2081E 00	90-165	0.2081E 00
15-30.00	0.1471E 03	-7.5 TO 67.5	0.6481E-01	82.5-157.5	0.	15	0- 75	0.3574E 00	90-165	0.
30-45.00	0.2340E 03	-7.5 TO 67.5	0.2199E-01	82.5-157.5	0.	30	0- 75	0.1531E 00	90-165	0.
45-60.00	0.3049E 03	-7.5 TO 67.5	0.4697E-02	82.5-157.5	0.	45	0- 75	0.4067E-01	90-165	0.
60-75.00	0.3551E 03	-7.5 TO 67.5	0.4186E-03	82.5-157.5	0.	60	0- 75	0.5611E-02	90-165	0.
75-83.62	0.2175E 03	-7.5 TO 67.5	0.2720E-06	82.5-157.5	0.	75	0- 75	0.1106E-04	90-165	0.
0-15.00	0.6020E 02	-7.5 TO 82.5	0.1093E 00	82.5-172.5	0.2337E-05	0	0- 90	0.2497E 00	90-180	0.2497E 00
15-30.00	0.1765E 03	-7.5 TO 82.5	0.5403E-01	82.5-172.5	0.	15	0- 90	0.3574E 00	90-180	0.
30-45.00	0.2808E 03	-7.5 TO 82.5	0.1834E-01	82.5-172.5	0.	30	0- 90	0.1531E 00	90-180	0.
45-60.00	0.3659E 03	-7.5 TO 82.5	0.3915E-02	82.5-172.5	0.	45	0- 90	0.4067E-01	90-180	0.
60-75.00	0.4261E 03	-7.5 TO 82.5	0.3488E-03	82.5-172.5	0.	60	0- 90	0.5611E-02	90-180	0.
75-83.62	0.2611E 03	-7.5 TO 82.5	0.2266E-06	82.5-172.5	0.	75	0- 90	0.1106E-04	90-180	0.
0-15.00	0.7023E 02	-7.5 TO 97.5	0.9366E-01	82.5-187.5	0.2161E-05	0	0-105	0.2913E 00	90-195	0.2913E 00
15-30.00	0.2059E 03	-7.5 TO 97.5	0.4631E-01	82.5-187.5	0.	15	0-105	0.3574E 00	90-195	0.
30-45.00	0.3275E 03	-7.5 TO 97.5	0.1572E-01	82.5-187.5	0.	30	0-105	0.1531E 00	90-195	0.
45-60.00	0.4269E 03	-7.5 TO 97.5	0.3356E-02	82.5-187.5	0.	45	0-105	0.4067E-01	90-195	0.
60-75.00	0.4971E 03	-7.5 TO 97.5	0.2990E-03	82.5-187.5	0.	60	0-105	0.5611E-02	90-195	0.
75-83.62	0.3046E 03	-7.5 TO 97.5	0.1943E-06	82.5-187.5	0.	75	0-105	0.1106E-04	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(1) Continued. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 1.801$ $\cosh \mu_1 = 1.0004$ $\cosh \mu_2 = 1.0007$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 2.78$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1003E 02	-7.5 TO 7.5	0.4662E 00	82.5- 97.5	0.5581E-05	0	0- 15	0.4161E-01	90-105	0.4161E-01
15-30.00	0.2941E 02	-7.5 TO 7.5	0.1732E 00	82.5- 97.5	0.	15	0- 15	0.2697E 00	90-105	0.
30-45.00	0.4679E 02	-7.5 TO 7.5	0.5372E-01	82.5- 97.5	0.	30	0- 15	0.9101E-01	90-105	0.
45-60.00	0.6058E 02	-7.5 TO 7.5	0.1385E-01	82.5- 97.5	0.	45	0- 15	0.2616E-01	90-105	0.
60-75.00	0.7101E 02	-7.5 TO 7.5	0.2179E-02	82.5- 97.5	0.	60	0- 15	0.5379E-02	90-105	0.
75-83.62	0.4351E 02	-7.5 TO 7.5	0.6699E-04	82.5- 97.5	0.	75	0- 15	0.2947E-03	90-105	0.
0-15.00	0.2007E 02	-7.5 TO 22.5	0.3130E 00	82.5-112.5	0.4124E-05	0	0- 30	0.8322E-01	90-120	0.8322E-01
15-30.00	0.5883E 02	-7.5 TO 22.5	0.1402E 00	82.5-112.5	0.	15	0- 30	0.3406E 00	90-120	0.
30-45.00	0.9358E 02	-7.5 TO 22.5	0.4712E-01	82.5-112.5	0.	30	0- 30	0.1371E 00	90-120	0.
45-60.00	0.1220E 03	-7.5 TO 22.5	0.1247E-01	82.5-112.5	0.	45	0- 30	0.4235E-01	90-120	0.
60-75.00	0.1420E 03	-7.5 TO 22.5	0.1940E-02	82.5-112.5	0.	60	0- 30	0.8763E-02	90-120	0.
75-83.62	0.8702E 02	-7.5 TO 22.5	0.5503E-04	82.5-112.5	0.	75	0- 30	0.4061E-03	90-120	0.
0-15.00	0.3010E 02	-7.5 TO 37.5	0.2168E 00	82.5-127.5	0.3378E-05	0	0- 45	0.1248E 00	90-135	0.1248E 00
15-30.00	0.8824E 02	-7.5 TO 37.5	0.1050E 00	82.5-127.5	0.	15	0- 45	0.3546E 00	90-135	0.
30-45.00	0.1404E 03	-7.5 TO 37.5	0.3762E-01	82.5-127.5	0.	30	0- 45	0.1520E 00	90-135	0.
45-60.00	0.1829E 03	-7.5 TO 37.5	0.1023E-01	82.5-127.5	0.	45	0- 45	0.4877E-01	90-135	0.
60-75.00	0.2130E 03	-7.5 TO 37.5	0.1552E-02	82.5-127.5	0.	60	0- 45	0.1002E-01	90-135	0.
75-83.62	0.1305E 03	-7.5 TO 37.5	0.3874E-04	82.5-127.5	0.	75	0- 45	0.4109E-03	90-135	0.
0-15.00	0.4013E 02	-7.5 TO 52.5	0.1637E 00	82.5-142.5	0.2905E-05	0	0- 60	0.1664E 00	90-150	0.1664E 00
15-30.00	0.1177E 03	-7.5 TO 52.5	0.8084E-01	82.5-142.5	0.	15	0- 60	0.3571E 00	90-150	0.
30-45.00	0.1672E 03	-7.5 TO 52.5	0.2963E-01	82.5-142.5	0.	30	0- 60	0.1553E 00	90-150	0.
45-60.00	0.2439E 03	-7.5 TO 52.5	0.8127E-02	82.5-142.5	0.	45	0- 60	0.5027E-01	90-150	0.
60-75.00	0.2841E 03	-7.5 TO 52.5	0.1208E-02	82.5-142.5	0.	60	0- 60	0.1023E-01	90-150	0.
75-83.62	0.1740E 03	-7.5 TO 52.5	0.2907E-04	82.5-142.5	0.	75	0- 60	0.4109E-03	90-150	0.
0-15.00	0.5016E 02	-7.5 TO 67.5	0.1311E 00	82.5-157.5	0.2576E-05	0	0- 75	0.2081E 00	90-165	0.2081E 00
15-30.00	0.1471E 03	-7.5 TO 67.5	0.6496E-01	82.5-157.5	0.	15	0- 75	0.3574E 00	90-165	0.
30-45.00	0.2340E 03	-7.5 TO 67.5	0.2391E-01	82.5-157.5	0.	30	0- 75	0.1556E 00	90-165	0.
45-60.00	0.3049E 03	-7.5 TO 67.5	0.6558E-02	82.5-157.5	0.	45	0- 75	0.5040E-01	90-165	0.
60-75.00	0.3551E 03	-7.5 TO 67.5	0.9683E-03	82.5-157.5	0.	60	0- 75	0.1023E-01	90-165	0.
75-83.62	0.2175E 03	-7.5 TO 67.5	0.2325E-04	82.5-157.5	0.	75	0- 75	0.4109E-03	90-165	0.
0-15.00	0.6020E 02	-7.5 TO 82.5	0.1093E 00	82.5-172.5	0.2337E-05	0	0- 90	0.2497E 00	90-180	0.2497E 00
15-30.00	0.1765E 03	-7.5 TO 82.5	0.5416E-01	82.5-172.5	0.	15	0- 90	0.3574E 00	90-180	0.
30-45.00	0.2808E 03	-7.5 TO 82.5	0.1994E-01	82.5-172.5	0.	30	0- 90	0.1557E 00	90-180	0.
45-60.00	0.3659E 03	-7.5 TO 82.5	0.5466E-02	82.5-172.5	0.	45	0- 90	0.5040E-01	90-180	0.
60-75.00	0.4261E 03	-7.5 TO 82.5	0.8070E-03	82.5-172.5	0.	60	0- 90	0.1023E-01	90-180	0.
75-83.62	0.2611E 03	-7.5 TO 82.5	0.1938E-04	82.5-172.5	0.	75	0- 90	0.4109E-03	90-180	0.
0-15.00	0.7023E 02	-7.5 TO 97.5	0.9366E-01	82.5-187.5	0.2161E-05	0	0-105	0.2913E 00	90-195	0.2913E 00
15-30.00	0.2059E 03	-7.5 TO 97.5	0.4642E-01	82.5-187.5	0.	15	0-105	0.3574E 00	90-195	0.
30-45.00	0.3275E 03	-7.5 TO 97.5	0.1709E-01	82.5-187.5	0.	30	0-105	0.1557E 00	90-195	0.
45-60.00	0.4269E 03	-7.5 TO 97.5	0.4685E-02	82.5-187.5	0.	45	0-105	0.5040E-01	90-195	0.
60-75.00	0.4971E 03	-7.5 TO 97.5	0.6917E-03	82.5-187.5	0.	60	0-105	0.1023E-01	90-195	0.
75-83.62	0.3046E 03	-7.5 TO 97.5	0.1661E-04	82.5-187.5	0.	75	0-105	0.4109E-03	90-195	0.

$r_2/r_1 = 0.80$ $d/r_1 = 1.801$ $\cosh \mu_1 = 1.0004$ $\cosh \mu_2 = 1.0007$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 2.13$

0-15.00	0.1003E 02	-7.5 TO 7.5	0.4662E 00	82.5- 97.5	0.5581E-05	0	0- 15	0.4161E-01	90-105	0.4161E-01
15-30.00	0.2941E 02	-7.5 TO 7.5	0.1732E 00	82.5- 97.5	0.	15	0- 15	0.2697E 00	90-105	0.
30-45.00	0.4679E 02	-7.5 TO 7.5	0.5392E-01	82.5- 97.5	0.	30	0- 15	0.9101E-01	90-105	0.
45-60.00	0.6058E 02	-7.5 TO 7.5	0.1475E-01	82.5- 97.5	0.	45	0- 15	0.2679E-01	90-105	0.
60-75.00	0.7101E 02	-7.5 TO 7.5	0.2688E-02	82.5- 97.5	0.	60	0- 15	0.6166E-02	90-105	0.
75-83.62	0.4351E 02	-7.5 TO 7.5	0.1607E-03	82.5- 97.5	0.	75	0- 15	0.5029E-03	90-105	0.
0-15.00	0.2007E 02	-7.5 TO 22.5	0.3130E 00	82.5-112.5	0.4124E-05	0	0- 30	0.8322E-01	90-120	0.8322E-01
15-30.00	0.5883E 02	-7.5 TO 22.5	0.1402E 00	82.5-112.5	0.	15	0- 30	0.3406E 00	90-120	0.
30-45.00	0.9358E 02	-7.5 TO 22.5	0.4729E-01	82.5-112.5	0.	30	0- 30	0.1371E 00	90-120	0.
45-60.00	0.1220E 03	-7.5 TO 22.5	0.1326E-01	82.5-112.5	0.	45	0- 30	0.4326E-01	90-120	0.
60-75.00	0.1420E 03	-7.5 TO 22.5	0.2397E-02	82.5-112.5	0.	60	0- 30	0.1003E-01	90-120	0.
75-83.62	0.8702E 02	-7.5 TO 22.5	0.1315E-03	82.5-112.5	0.	75	0- 30	0.7279E-03	90-120	0.
0-15.00	0.3010E 02	-7.5 TO 37.5	0.2168E 00	82.5-127.5	0.3378E-05	0	0- 45	0.1248E 00	90-135	0.1248E 00
15-30.00	0.8824E 02	-7.5 TO 37.5	0.1050E 00	82.5-127.5	0.	15	0- 45	0.3546E 00	90-135	0.
30-45.00	0.1404E 03	-7.5 TO 37.5	0.3774E-01	82.5-127.5	0.	30	0- 45	0.1520E 00	90-135	0.
45-60.00	0.1829E 03	-7.5 TO 37.5	0.1084E-01	82.5-127.5	0.	45	0- 45	0.4971E-01	90-135	0.
60-75.00	0.2130E 03	-7.5 TO 37.5	0.1919E-02	82.5-127.5	0.	60	0- 45	0.1143E-01	90-135	0.
75-83.62	0.1305E 03	-7.5 TO 37.5	0.9473E-04	82.5-127.5	0.	75	0- 45	0.7505E-03	90-135	0.
0-15.00	0.4013E 02	-7.5 TO 52.5	0.1637E 00	82.5-142.5	0.2905E-05	0	0- 60	0.1664E 00	90-150	0.1664E 00
15-30.00	0.1177E 03	-7.5 TO 52.5	0.8084E-01	82.5-142.5	0.	15	0- 60	0.3571E 00	90-150	0.
30-45.00	0.1672E 03	-7.5 TO 52.5	0.2972E-01	82.5-142.5	0.	30	0- 60	0.1553E 00	90-150	0.
45-60.00	0.2439E 03	-7.5 TO 52.5	0.8596E-02	82.5-142.5	0.	45	0- 60	0.5120E-01	90-150	0.
60-75.00	0.2841E 03	-7.5 TO 52.5	0.1491E-02	82.5-142.5	0.	60	0- 60	0.1164E-01	90-150	0.
75-83.62	0.1740E 03	-7.5 TO 52.5	0.7120E-04	82.5-142.5	0.	75	0- 60	0.7505E-03	90-150	0.
0-15.00	0.5016E 02	-7.5 TO 67.5	0.1311E 00	82.5-157.5	0.2576E-05	0	0- 75	0.2081E 00	90-165	0.2081E 00
15-30.00	0.1471E 03	-7.5 TO 67.5	0.6496E-01	82.5-157.5	0.	15	0- 75	0.3574E 00	90-165	0.
30-45.00	0.2340E 03	-7.5 TO 67.5	0.2399E-01	82.5-157.5	0.	30	0- 75	0.1556E 00	90-165	0.
45-60.00	0.3049E 03	-7.5 TO 67.5	0.6932E-02	82.5-157.5	0.	45	0- 75	0.5133E-01	90-165	0.
60-75.00	0.3551E 03	-7.5 TO 67.5	0.1196E-02	82.5-157.5	0.	60	0- 75	0.1164E-01	90-165	0.
75-83.62	0.2175E 03	-7.5 TO 67.5	0.5696E-04	82.5-157.5	0.	75	0- 75	0.7505E-03	90-165	0.
0-15.00	0.6020E 02	-7.5 TO 82.5	0.1093E 00	82.5-172.5	0.2337E-05	0	0- 90	0.2497E 00	90-180	0.2497E 00
15-30.00	0.1765E 03	-7.5 TO 82.5	0.5416E-01	82.5-172.5	0.	15	0- 90	0.3574E 00	90-180	0.
30-45.00	0.2808E 03	-7.5 TO 82.5	0.2000E-01	82.5-172.5	0.	30	0- 90	0.1557E 00	90-180	0.
45-60.00	0.3659E 03	-7.5 TO 82.5	0.5779E-02	82.5-172.5	0.	45	0- 90	0.5133E-01	90-180	0.
60-75.00	0.4261E 03	-7.5 TO 82.5	0.9963E-03	82.5-172.5	0.	60	0- 90	0.1164E-01	90-180	0.
75-83.62	0.2611E 03	-7.5 TO 82.5	0.4746E-04	82.5-172.5	0.	75	0- 90	0.7505E-03	90-180	0.
0-15.00	0.7023E 02	-7.5 TO 97.5	0.9366E-01	82.5-187.5	0.2161E-05	0	0-105	0.2913E 00	90-195	0.2913E 00
15-30.00	0.2059E 03	-7.5 TO 97.5	0.4642E-01	82.5-187.5	0.	15	0-105	0.3574E 00	90-195	0.
30-45.00	0.3275E 03	-7.5 TO 97.5	0.1714E-01	82.5-187.5	0.	30	0-105	0.1557E 00	90-195	0.
45-60.00	0.4269E 03	-7.5 TO 97.5	0.4953E-02	82.5-187.5	0.	45	0-105	0.5133E-01	90-195	0.
60-75.00	0.4971E 03	-7.5 TO 97.5	0.8540E-03	82.5-187.5	0.	60	0-105	0.1164E-01	90-195	0.
75-83.62	0.3046E 03	-7.5 TO 97.5	0.4068E-04	82.5-187.5	0.	75	0-105	0.7505E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(i) Continued. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 1.801$ $\cosh \mu_1 = 1.0004$ $\cosh \mu_2 = 1.0007$ $\alpha_{2,max} = 96.38$ $\theta_{2,min} = 1.91$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1003E 02	-7.5 TO 7.5	0.4662E 00	82.5- 97.5	0.5581E-05	0	0- 15	0.4161E-01	90-105	0.4161E-01
15-30.00	0.2941E 02	-7.5 TO 7.5	0.1732E 00	82.5- 97.5	0.	15	0- 15	0.2697E 00	90-105	0.
30-45.00	0.4679E 02	-7.5 TO 7.5	0.5392E-01	32.5- 97.5	0.	30	0- 15	0.9101E-01	90-105	0.
45-60.00	0.6058E 02	-7.5 TO 7.5	0.1475E-01	82.5- 97.5	0.	45	0- 15	0.2679E-01	90-105	0.
60-75.00	0.7101E 02	-7.5 TO 7.5	0.2710E-02	82.5- 97.5	0.	60	0- 15	0.6180E-02	90-105	0.
75-83.62	0.4391E 02	-7.5 TO 7.5	0.1689E-03	82.5- 97.5	0.	75	0- 15	0.5184E-03	90-105	0.
0-15.00	0.2017E 02	-7.5 TO 22.5	0.3130E 00	82.5-112.5	0.4124E-05	0	0- 30	0.8322E-01	90-120	0.8322E-01
15-30.00	0.5883E 02	-7.5 TO 22.5	0.1402E 00	82.5-112.5	0.	15	0- 30	0.3406E 00	90-120	0.
30-45.00	0.9358E 02	-7.5 TO 22.5	0.4729E-01	82.5-112.5	0.	30	0- 30	0.1371E 00	90-120	0.
45-60.00	0.1220E 03	-7.5 TO 22.5	0.1326E-01	82.5-112.5	0.	45	0- 30	0.4326E-01	90-120	0.
60-75.00	0.1420E 03	-7.5 TO 22.5	0.2414E-02	82.5-112.5	0.	60	0- 30	0.1004E-01	90-120	0.
75-83.62	0.8782E 02	-7.5 TO 22.5	0.1379E-03	82.5-112.5	0.	75	0- 30	0.7479E-03	90-120	0.
0-15.00	0.3010E 02	-7.5 TO 37.5	0.2168E 00	82.5-127.5	0.3378E-05	0	0- 45	0.1248E 00	90-135	0.1248E 00
15-30.00	0.8824E 02	-7.5 TO 37.5	0.1050E 00	82.5-127.5	0.	15	0- 45	0.3546E 00	90-135	0.
30-45.00	0.1404E 03	-7.5 TO 37.5	0.3774E-01	82.5-127.5	0.	30	0- 45	0.1520E 00	90-135	0.
45-60.00	0.1829E 03	-7.5 TO 37.5	0.1084E-01	82.5-127.5	0.	45	0- 45	0.4971E-01	90-135	0.
60-75.00	0.2130E 03	-7.5 TO 37.5	0.1931E-02	82.5-127.5	0.	60	0- 45	0.1144E-01	90-135	0.
75-83.62	0.1305E 03	-7.5 TO 37.5	0.9920E-04	82.5-127.5	0.	75	0- 45	0.7706E-03	90-135	0.
0-15.00	0.4013E 02	-7.5 TO 52.5	0.1637E 00	82.5-142.5	0.2905E-05	0	0- 60	0.1664E 00	90-150	0.1664E 00
15-30.00	0.1177E 03	-7.5 TO 52.5	0.8084E-01	82.5-142.5	0.	15	0- 60	0.3571E 00	90-150	0.
30-45.00	0.1872E 03	-7.5 TO 52.5	0.2972E-01	82.5-142.5	0.	30	0- 60	0.1553E 00	90-150	0.
45-60.00	0.2439E 03	-7.5 TO 52.5	0.8597E-02	82.5-142.5	0.	45	0- 60	0.5120E-01	90-150	0.
60-75.00	0.2841E 03	-7.5 TO 52.5	0.1500E-02	82.5-142.5	0.	60	0- 60	0.1166E-01	90-150	0.
75-83.62	0.1740E 03	-7.5 TO 52.5	0.7455E-04	82.5-142.5	0.	75	0- 60	0.7706E-03	90-150	0.
0-15.00	0.5016E 02	-7.5 TO 67.5	0.1311E 00	82.5-157.5	0.2576E-05	0	0- 75	0.2081E 00	90-165	0.2081E 00
15-30.00	0.1471E 03	-7.5 TO 67.5	0.6496E-01	82.5-157.5	0.	15	0- 75	0.3574E 00	90-165	0.
30-45.00	0.2340E 03	-7.5 TO 67.5	0.2399E-01	82.5-157.5	0.	30	0- 75	0.1556E 00	90-165	0.
45-60.00	0.3049E 03	-7.5 TO 67.5	0.6933E-02	82.5-157.5	0.	45	0- 75	0.5133E-01	90-165	0.
60-75.00	0.3551E 03	-7.5 TO 67.5	0.1203E-02	82.5-157.5	0.	60	0- 75	0.1166E-01	90-165	0.
75-83.62	0.2175E 03	-7.5 TO 67.5	0.5964E-04	82.5-157.5	0.	75	0- 75	0.7706E-03	90-165	0.
0-15.00	0.6020E 02	-7.5 TO 82.5	0.1093E 00	82.5-172.5	0.2337E-05	0	0- 90	0.2497E 00	90-180	0.2497E 00
15-30.00	0.1765E 03	-7.5 TO 82.5	0.5416E-01	82.5-172.5	0.	15	0- 90	0.3574E 00	90-180	0.
30-45.00	0.2808E 03	-7.5 TO 82.5	0.2000E-01	82.5-172.5	0.	30	0- 90	0.1557E 00	90-180	0.
45-60.00	0.3659E 03	-7.5 TO 82.5	0.5779E-02	82.5-172.5	0.	45	0- 90	0.5133E-01	90-180	0.
60-75.00	0.4261E 03	-7.5 TO 82.5	0.1002E-02	82.5-172.5	0.	60	0- 90	0.1166E-01	90-180	0.
75-83.62	0.2611E 03	-7.5 TO 82.5	0.4970E-04	82.5-172.5	0.	75	0- 90	0.7706E-03	90-180	0.
0-15.00	0.7023E 02	-7.5 TO 97.5	0.9366E-01	82.5-187.5	0.2161E-05	0	0-105	0.2913E 00	90-195	0.2913E 00
15-30.00	0.2059E 03	-7.5 TO 97.5	0.4642E-01	82.5-187.5	0.	15	0-105	0.3574E 00	90-195	0.
30-45.00	0.3275E 03	-7.5 TO 97.5	0.1714E-01	82.5-187.5	0.	30	0-105	0.1557E 00	90-195	0.
45-60.00	0.4269E 03	-7.5 TO 97.5	0.4954E-02	82.5-187.5	0.	45	0-105	0.5133E-01	90-195	0.
60-75.00	0.4971E 03	-7.5 TO 97.5	0.8591E-03	82.5-187.5	0.	60	0-105	0.1166E-01	90-195	0.
75-83.62	0.3046E 03	-7.5 TO 97.5	0.4260E-04	82.5-187.5	0.	75	0-105	0.7706E-03	90-195	0.

$r_2/r_1 = 0.80$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.0900$ $\cosh \mu_2 = 1.1375$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 125.13$

0-15.00	0.4742E-01	-7.5 TO 7.5	0.2612E-01	82.5- 97.5	0.7754E-02	0	0- 15	0.1890E-01	90-105	0.1890E-01
15-30.00	0.1396E 00	-7.5 TO 7.5	0.5811E-02	82.5- 97.5	0.1011E-02	15	0- 15	0.1670E-01	90-105	0.2673E-02
30-45.00	0.2212E 00	-7.5 TO 7.5	0.4210E-03	82.5- 97.5	0.2230E-04	30	0- 15	0.1489E-02	90-105	0.1394E-03
45-60.00	0.2883E 00	-7.5 TO 7.5	0.1605E-06	82.5- 97.5	0.	45	0- 15	0.3554E-05	90-105	0.
60-75.00	0.3357E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-84.26	0.2210E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.9485E-01	-7.5 TO 22.5	0.2537E-01	82.5-112.5	0.7000E-02	0	0- 30	0.3780E-01	90-120	0.3780E-01
15-30.00	0.2781E 00	-7.5 TO 22.5	0.5594E-02	82.5-112.5	0.8587E-03	15	0- 30	0.3095E-01	90-120	0.4673E-02
30-45.00	0.4424E 00	-7.5 TO 22.5	0.4035E-03	82.5-112.5	0.1563E-04	30	0- 30	0.2779E-02	90-120	0.2079E-03
45-60.00	0.5765E 00	-7.5 TO 22.5	0.1192E-06	82.5-112.5	0.	45	0- 30	0.4049E-05	90-120	0.
60-75.00	0.6714E 00	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-84.26	0.4421E 00	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.1423E 00	-7.5 TO 37.5	0.2389E-01	82.5-127.5	0.6403E-02	0	0- 45	0.5670E-01	90-135	0.5670E-01
15-30.00	0.4171E 00	-7.5 TO 37.5	0.5174E-02	82.5-127.5	0.7435E-03	15	0- 45	0.4175E-01	90-135	0.6246E-02
30-45.00	0.6636E 00	-7.5 TO 37.5	0.3687E-03	82.5-127.5	0.1219E-04	30	0- 45	0.3761E-02	90-135	0.2361E-03
45-60.00	0.8648E 00	-7.5 TO 37.5	0.8072E-07	82.5-127.5	0.	45	0- 45	0.4049E-05	90-135	0.
60-75.00	0.1007E 01	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-84.26	0.6631E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.1857E 00	-7.5 TO 52.5	0.2208E-01	82.5-142.5	0.5930E-02	0	0- 60	0.7560E-01	90-150	0.7560E-01
15-30.00	0.5562E 00	-7.5 TO 52.5	0.4672E-02	82.5-142.5	0.6562E-03	15	0- 60	0.4941E-01	90-150	0.7551E-02
30-45.00	0.8847E 00	-7.5 TO 52.5	0.3260E-03	82.5-142.5	0.1009E-04	30	0- 60	0.4437E-02	90-150	0.2581E-03
45-60.00	0.1153E 01	-7.5 TO 52.5	0.6054E-07	82.5-142.5	0.	45	0- 60	0.4049E-05	90-150	0.
60-75.00	0.1343E 01	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-84.26	0.8842E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.2371E 00	-7.5 TO 67.5	0.2024E-01	82.5-157.5	0.5557E-02	0	0- 75	0.9450E-01	90-165	0.9450E-01
15-30.00	0.6552E 00	-7.5 TO 67.5	0.4176E-02	82.5-157.5	0.5897E-03	15	0- 75	0.5472E-01	90-165	0.8701E-02
30-45.00	0.1106E 01	-7.5 TO 67.5	0.2825E-03	82.5-157.5	0.8233E-05	30	0- 75	0.4866E-02	90-165	0.2669E-03
45-60.00	0.1441E 01	-7.5 TO 67.5	0.4843E-07	82.5-157.5	0.	45	0- 75	0.4049E-05	90-165	0.
60-75.00	0.1678E 01	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-84.26	0.1105E 01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.2845E 00	-7.5 TO 82.5	0.1851E-01	82.5-172.5	0.5267E-02	0	0- 90	0.1134E 00	90-180	0.1134E 00
15-30.00	0.8343E 00	-7.5 TO 82.5	0.3727E-02	82.5-172.5	0.5392E-03	15	0- 90	0.5843E-01	90-180	0.9779E-02
30-45.00	0.1521E 01	-7.5 TO 82.5	0.2432E-03	82.5-172.5	0.6924E-05	30	0- 90	0.5120E-02	90-180	0.2743E-03
45-60.00	0.1730E 01	-7.5 TO 82.5	0.4036E-07	82.5-172.5	0.	45	0- 90	0.4049E-05	90-180	0.
60-75.00	0.2014E 01	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-84.26	0.1326E 01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.3320E 00	-7.5 TO 97.5	0.1698E-01	82.5-187.5	0.5049E-02	0	0-105	0.1323E 00	90-195	0.1323E 00
15-30.00	0.9733E 00	-7.5 TO 97.5	0.3339E-02	82.5-187.5	0.5015E-03	15	0-105	0.6111E-01	90-195	0.1086E-01
30-45.00	0.1548E 01	-7.5 TO 97.5	0.2117E-03	82.5-187.5	0.5985E-05	30	0-105	0.5260E-02	90-195	0.2817E-03
45-60.00	0.2018E 01	-7.5 TO 97.5	0.3459E-07	82.5-187.5	0.	45	0-105	0.4049E-05	90-195	0.
60-75.00	0.2350E 01	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-84.26	0.1547E 01	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(1) Continued. Radius ratio, r_2/r_1, 0.80

r_2/r_1 = 0.80 d/r_1 = 2.000 $\cosh \mu_1$ = 1.0900 $\cosh \mu_2$ = 1.1375 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 86.85

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.4742E-01	-7.5 TO 7.5	0.6083E-01	82.5- 97.5	0.1244E-01	0	0- 15	0.2621E-01	90-105	0.2621E-01
15-30.00	0.1390E 00	-7.5 TO 7.5	0.3562E-01	82.5- 97.5	0.2376E-02	15	0- 15	0.6117E-01	90-105	0.4892E-02
30-45.00	0.2212E 00	-7.5 TO 7.5	0.6730E-02	82.5- 97.5	0.1229E-03	30	0- 15	0.1592E-01	90-105	0.4291E-03
45-60.00	0.2883E 00	-7.5 TO 7.5	0.5326E-03	82.5- 97.5	0.	45	0- 15	0.1896E-02	90-105	0.
60-75.00	0.3357E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-84.26	0.2210E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.9465E-01	-7.5 TO 22.5	0.5851E-01	82.5-112.5	0.1094E-01	0	0- 30	0.5242E-01	90-120	0.5242E-01
15-30.00	0.2781E 00	-7.5 TO 22.5	0.3345E-01	82.5-112.5	0.1878E-02	15	0- 30	0.1100E 00	90-120	0.8163E-02
30-45.00	0.4424E 00	-7.5 TO 22.5	0.6321E-02	82.5-112.5	0.7743E-04	30	0- 30	0.2818E-01	90-120	0.5803E-03
45-60.00	0.5765E 00	-7.5 TO 22.5	0.4881E-03	82.5-112.5	0.	45	0- 30	0.3305E-02	90-120	0.
60-75.00	0.6714E 00	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-84.26	0.4421E 00	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.1423E 00	-7.5 TO 37.5	0.5409E-01	82.5-127.5	0.9787E-02	0	0- 45	0.7863E-01	90-135	0.7863E-01
15-30.00	0.4171E 00	-7.5 TO 37.5	0.2963E-01	82.5-127.5	0.1534E-02	15	0- 45	0.1432E 00	90-135	0.1049E-01
30-45.00	0.6636E 00	-7.5 TO 37.5	0.5576E-02	82.5-127.5	0.5538E-04	30	0- 45	0.3589E-01	90-135	0.6199E-03
45-60.00	0.8648E 00	-7.5 TO 37.5	0.4093E-03	82.5-127.5	0.	45	0- 45	0.4066E-02	90-135	0.
60-75.00	0.1007E 01	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-84.26	0.6631E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.1857E 00	-7.5 TO 52.5	0.4893E-01	82.5-142.5	0.8899E-02	0	0- 60	0.1048E 00	90-150	0.1048E 00
15-30.00	0.5562E 00	-7.5 TO 52.5	0.2596E-01	82.5-142.5	0.1292E-02	15	0- 60	0.1638E 00	90-150	0.1229E-01
30-45.00	0.8647E 00	-7.5 TO 52.5	0.4759E-02	82.5-142.5	0.4363E-04	30	0- 60	0.4014E-01	90-150	0.6645E-03
45-60.00	0.1153E 01	-7.5 TO 52.5	0.3291E-03	82.5-142.5	0.	45	0- 60	0.4329E-02	90-150	0.
60-75.00	0.1343E 01	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-84.26	0.8842E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.2371E 00	-7.5 TO 67.5	0.4391E-01	82.5-157.5	0.8212E-02	0	0- 75	0.1310E 00	90-165	0.1310E 00
15-30.00	0.6952E 00	-7.5 TO 67.5	0.2197E-01	82.5-157.5	0.1119E-02	15	0- 75	0.1764E 00	90-165	0.1379E-01
30-45.00	0.1106E 01	-7.5 TO 67.5	0.4018E-02	82.5-157.5	0.3517E-04	30	0- 75	0.4229E-01	90-165	0.6733E-03
45-60.00	0.1441E 01	-7.5 TO 67.5	0.2662E-03	82.5-157.5	0.	45	0- 75	0.4361E-02	90-165	0.
60-75.00	0.1678E 01	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-84.26	0.1105E 01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.2845E 00	-7.5 TO 82.5	0.3943E-01	82.5-172.5	0.7686E-02	0	0- 90	0.1573E 00	90-180	0.1573E 00
15-30.00	0.8343E 00	-7.5 TO 82.5	0.1901E-01	82.5-172.5	0.9922E-03	15	0- 90	0.1841E 00	90-180	0.1516E-01
30-45.00	0.1327E 01	-7.5 TO 82.5	0.3403E-02	82.5-172.5	0.2937E-04	30	0- 90	0.4329E-01	90-180	0.6807E-03
45-60.00	0.1730E 01	-7.5 TO 82.5	0.2219E-03	82.5-172.5	0.	45	0- 90	0.4361E-02	90-180	0.
60-75.00	0.2014E 01	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-84.26	0.1326E 01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.3320E 00	-7.5 TO 97.5	0.3557E-01	82.5-187.5	0.7291E-02	0	0-105	0.1835E 00	90-195	0.1835E 00
15-30.00	0.9733E 00	-7.5 TO 97.5	0.1663E-01	82.5-187.5	0.8988E-03	15	0-105	0.1890E 00	90-195	0.1654E-01
30-45.00	0.1548E 01	-7.5 TO 97.5	0.2935E-02	82.5-187.5	0.2523E-04	30	0-105	0.4372E-01	90-195	0.6881E-03
45-60.00	0.2018E 01	-7.5 TO 97.5	0.1902E-03	82.5-187.5	0.	45	0-105	0.4361E-02	90-195	0.
60-75.00	0.2350E 01	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-84.26	0.1547E 01	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

r_2/r_1 = 0.80 d/r_1 = 2.000 $\cosh \mu_1$ = 1.0900 $\cosh \mu_2$ = 1.1375 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 62.96

0-15.00	0.4742E-01	-7.5 TO 7.5	0.6922E-01	82.5- 97.5	0.1292E-01	0	0- 15	0.2667E-01	90-105	0.2667E-01
15-30.00	0.1390E 00	-7.5 TO 7.5	0.5889E-01	82.5- 97.5	0.2784E-02	15	0- 15	0.7673E-01	90-105	0.5145E-02
30-45.00	0.2212E 00	-7.5 TO 7.5	0.2011E-01	82.5- 97.5	0.2565E-03	30	0- 15	0.3719E-01	90-105	0.5583E-03
45-60.00	0.2883E 00	-7.5 TO 7.5	0.3810E-02	82.5- 97.5	0.9076E-06	45	0- 15	0.8670E-02	90-105	0.1573E-06
60-75.00	0.3357E 00	-7.5 TO 7.5	0.2017E-03	82.5- 97.5	0.	60	0- 15	0.9302E-03	90-105	0.
75-84.26	0.2210E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.9465E-01	-7.5 TO 22.5	0.6651E-01	82.5-112.5	0.1128E-01	0	0- 30	0.5333E-01	90-120	0.5333E-01
15-30.00	0.2781E 00	-7.5 TO 22.5	0.5509E-01	82.5-112.5	0.2129E-02	15	0- 30	0.1379E 00	90-120	0.8476E-02
30-45.00	0.4424E 00	-7.5 TO 22.5	0.1875E-01	82.5-112.5	0.1539E-03	30	0- 30	0.6487E-01	90-120	0.7265E-03
45-60.00	0.5765E 00	-7.5 TO 22.5	0.3530E-02	82.5-112.5	0.4543E-06	45	0- 30	0.1511E-01	90-120	0.1573E-06
60-75.00	0.6714E 00	-7.5 TO 22.5	0.1802E-03	82.5-112.5	0.	60	0- 30	0.1516E-02	90-120	0.
75-84.26	0.4421E 00	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.1423E 00	-7.5 TO 37.5	0.6135E-01	82.5-127.5	0.1004E-01	0	0- 45	0.8000E-01	90-135	0.8000E-01
15-30.00	0.4171E 00	-7.5 TO 37.5	0.4844E-01	82.5-127.5	0.1706E-02	15	0- 45	0.1790E 00	90-135	0.1081E-01
30-45.00	0.6636E 00	-7.5 TO 37.5	0.1634E-01	82.5-127.5	0.1066E-03	30	0- 45	0.8127E-01	90-135	0.7667E-03
45-60.00	0.8648E 00	-7.5 TO 37.5	0.3029E-02	82.5-127.5	0.3029E-06	45	0- 45	0.1873E-01	90-135	0.1573E-06
60-75.00	0.1007E 01	-7.5 TO 37.5	0.1407E-03	82.5-127.5	0.	60	0- 45	0.1707E-02	90-135	0.
75-84.26	0.6631E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.1857E 00	-7.5 TO 52.5	0.5530E-01	82.5-142.5	0.9096E-02	0	0- 60	0.1067E 00	90-150	0.1067E 00
15-30.00	0.5562E 00	-7.5 TO 52.5	0.4144E-01	82.5-142.5	0.1421E-02	15	0- 60	0.2040E 00	90-150	0.1261E-01
30-45.00	0.8647E 00	-7.5 TO 52.5	0.1379E-01	82.5-142.5	0.8222E-04	30	0- 60	0.8962E-01	90-150	0.8185E-03
45-60.00	0.1153E 01	-7.5 TO 52.5	0.2488E-02	82.5-142.5	0.2272E-06	45	0- 60	0.2025E-01	90-150	0.1573E-06
60-75.00	0.1343E 01	-7.5 TO 52.5	0.1076E-03	82.5-142.5	0.	60	0- 60	0.1719E-02	90-150	0.
75-84.26	0.8842E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.2371E 00	-7.5 TO 67.5	0.4943E-01	82.5-157.5	0.8375E-02	0	0- 75	0.1333E 00	90-165	0.1333E 00
15-30.00	0.6952E 00	-7.5 TO 67.5	0.3532E-01	82.5-157.5	0.1222E-02	15	0- 75	0.2185E 00	90-165	0.1411E-01
30-45.00	0.1106E 01	-7.5 TO 67.5	0.1157E-01	82.5-157.5	0.6608E-04	30	0- 75	0.9344E-01	90-165	0.8272E-03
45-60.00	0.1441E 01	-7.5 TO 67.5	0.2039E-02	82.5-157.5	0.1817E-06	45	0- 75	0.2067E-01	90-165	0.1573E-06
60-75.00	0.1678E 01	-7.5 TO 67.5	0.8610E-04	82.5-157.5	0.	60	0- 75	0.1719E-02	90-165	0.
75-84.26	0.1105E 01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.2845E 00	-7.5 TO 82.5	0.4421E-01	82.5-172.5	0.7824E-02	0	0- 90	0.1600E 00	90-180	0.1600E 00
15-30.00	0.8343E 00	-7.5 TO 82.5	0.3035E-01	82.5-172.5	0.1079E-02	15	0- 90	0.2270E 00	90-180	0.1548E-01
30-45.00	0.1327E 01	-7.5 TO 82.5	0.9785E-02	82.5-172.5	0.5513E-04	30	0- 90	0.9501E-01	90-180	0.8346E-03
45-60.00	0.1730E 01	-7.5 TO 82.5	0.1704E-02	82.5-172.5	0.1514E-06	45	0- 90	0.2071E-01	90-180	0.1573E-06
60-75.00	0.2014E 01	-7.5 TO 82.5	0.7175E-04	82.5-172.5	0.	60	0- 90	0.1719E-02	90-180	0.
75-84.26	0.1326E 01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.3320E 00	-7.5 TO 97.5	0.3974E-01	82.5-187.5	0.7411E-02	0	0-105	0.1867E 00	90-195	0.1867E 00
15-30.00	0.9733E 00	-7.5 TO 97.5	0.2642E-01	82.5-187.5	0.9730E-03	15	0-105	0.2322E 00	90-195	0.1686E-01
30-45.00	0.1548E 01	-7.5 TO 97.5	0.8424E-02	82.5-187.5	0.4730E-04	30	0-105	0.9557E-01	90-195	0.8421E-03
45-60.00	0.2018E 01	-7.5 TO 97.5	0.1401E-02	82.5-187.5	0.1298E-06	45	0-105	0.2071E-01	90-195	0.1573E-06
60-75.00	0.2350E 01	-7.5 TO 97.5	0.6150E-04	82.5-187.5	0.	60	0-105	0.1719E-02	90-195	0.
75-84.26	0.1547E 01	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(i) Continued. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.0900$ $\cosh \mu_2 = 1.1375$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 47.43$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.4742E-01	-7.5 TO 7.5	0.6972E-01	82.5- 97.5	0.1292E-01	0	0- 15	0.2667E-01	90-105	0.2667E-01
15-30.00	0.1390E 00	-7.5 TO 7.5	0.6605E-01	82.5- 97.5	0.2786E-02	15	0- 15	0.7846E-01	90-105	0.5145E-02
30-45.00	0.2212E 00	-7.5 TO 7.5	0.2945E-01	82.5- 97.5	0.2737E-03	30	0- 15	0.4737E-01	90-105	0.5583E-03
45-60.00	0.2883E 00	-7.5 TO 7.5	0.8086E-02	82.5- 97.5	0.3234E-05	45	0- 15	0.1550E-01	90-105	0.2744E-05
60-75.00	0.3357E 00	-7.5 TO 7.5	0.1110E-02	82.5- 97.5	0.	60	0- 15	0.3053E-02	90-105	0.
75-84.26	0.2210E 00	-7.5 TO 7.5	0.7723E-05	82.5- 97.5	0.	75	0- 15	0.6327E-04	90-105	0.
0-15.00	0.9485E-01	-7.5 TO 22.5	0.6697E-01	82.5-112.5	0.1128E-01	0	0- 30	0.5333E-01	90-120	0.5333E-01
15-30.00	0.2781E 00	-7.5 TO 22.5	0.6174E-01	82.5-112.5	0.2130E-02	15	0- 30	0.1409E 00	90-120	0.8476E-02
30-45.00	0.4424E 00	-7.5 TO 22.5	0.2742E-01	82.5-112.5	0.1628E-03	30	0- 30	0.8249E-01	90-120	0.7265E-03
45-60.00	0.5765E 00	-7.5 TO 22.5	0.7515E-02	82.5-112.5	0.1628E-05	45	0- 30	0.2700E-01	90-120	0.2744E-05
60-75.00	0.6714E 00	-7.5 TO 22.5	0.1004E-02	82.5-112.5	0.	60	0- 30	0.5183E-02	90-120	0.
75-84.26	0.4421E 00	-7.5 TO 22.5	0.5629E-05	82.5-112.5	0.	75	0- 30	0.7642E-04	90-120	0.
0-15.00	0.1423E 00	-7.5 TO 37.5	0.6173E-01	82.5-127.5	0.1004E-01	0	0- 45	0.8000E-01	90-135	0.8000E-01
15-30.00	0.4171E 00	-7.5 TO 37.5	0.5416E-01	82.5-127.5	0.1707E-02	15	0- 45	0.1825E 00	90-135	0.1081E-01
30-45.00	0.6636E 00	-7.5 TO 37.5	0.2384E-01	82.5-127.5	0.1126E-03	30	0- 45	0.1030E 00	90-135	0.7667E-03
45-60.00	0.8648E 00	-7.5 TO 37.5	0.6478E-02	82.5-127.5	0.1086E-05	45	0- 45	0.3347E-01	90-135	0.2744E-05
60-75.00	0.1007E 01	-7.5 TO 37.5	0.8220E-03	82.5-127.5	0.	60	0- 45	0.6164E-02	90-135	0.
75-84.26	0.6631E 00	-7.5 TO 37.5	0.3833E-05	82.5-127.5	0.	75	0- 45	0.7642E-04	90-135	0.
0-15.00	0.1857E 00	-7.5 TO 52.5	0.5561E-01	82.5-142.5	0.9096E-02	0	0- 60	0.1067E 00	90-150	0.1067E 00
15-30.00	0.5562E 00	-7.5 TO 52.5	0.4617E-01	82.5-142.5	0.1422E-02	15	0- 60	0.2077E 00	90-150	0.1261E-01
30-45.00	0.8847E 00	-7.5 TO 52.5	0.2005E-01	82.5-142.5	0.8671E-04	30	0- 60	0.1129E 00	90-150	0.8185E-03
45-60.00	0.1153E 01	-7.5 TO 52.5	0.5369E-02	82.5-142.5	0.8142E-06	45	0- 60	0.3623E-01	90-150	0.2744E-05
60-75.00	0.1343E 01	-7.5 TO 52.5	0.6484E-03	82.5-142.5	0.	60	0- 60	0.6402E-02	90-150	0.
75-84.26	0.8842E 00	-7.5 TO 52.5	0.2874E-05	82.5-142.5	0.	75	0- 60	0.7642E-04	90-150	0.
0-15.00	0.2371E 00	-7.5 TO 67.5	0.4968E-01	82.5-157.5	0.8375E-02	0	0- 75	0.1333E 00	90-165	0.1333E 00
15-30.00	0.6952E 00	-7.5 TO 67.5	0.3922E-01	82.5-157.5	0.1222E-02	15	0- 75	0.2222E 00	90-165	0.1411E-01
30-45.00	0.1106E 01	-7.5 TO 67.5	0.1677E-01	82.5-157.5	0.6967E-04	30	0- 75	0.1172E 00	90-165	0.8272E-03
45-60.00	0.1441E 01	-7.5 TO 67.5	0.4421E-02	82.5-157.5	0.6514E-06	45	0- 75	0.3702E-01	90-165	0.2744E-05
60-75.00	0.1678E 01	-7.5 TO 67.5	0.5213E-03	82.5-157.5	0.	60	0- 75	0.6414E-02	90-165	0.
75-84.26	0.1105E 01	-7.5 TO 67.5	0.2300E-05	82.5-157.5	0.	75	0- 75	0.7642E-04	90-165	0.
0-15.00	0.2845E 00	-7.5 TO 82.5	0.4441E-01	82.5-172.5	0.7824E-02	0	0- 90	0.1600E 00	90-180	0.1600E 00
15-30.00	0.8343E 00	-7.5 TO 82.5	0.3361E-01	82.5-172.5	0.1079E-02	15	0- 90	0.2307E 00	90-180	0.1548E-01
30-45.00	0.1327E 01	-7.5 TO 82.5	0.1415E-01	82.5-172.5	0.5813E-04	30	0- 90	0.1188E 00	90-180	0.8346E-03
45-60.00	0.1730E 01	-7.5 TO 82.5	0.3701E-02	82.5-172.5	0.5428E-06	45	0- 90	0.3711E-01	90-180	0.2744E-05
60-75.00	0.2014E 01	-7.5 TO 82.5	0.4344E-03	82.5-172.5	0.	60	0- 90	0.6414E-02	90-180	0.
75-84.26	0.1326E 01	-7.5 TO 82.5	0.1916E-05	82.5-172.5	0.	75	0- 90	0.7642E-04	90-180	0.
0-15.00	0.3320E 00	-7.5 TO 97.5	0.3991E-01	82.5-187.5	0.7411E-02	0	0-105	0.1867E 00	90-195	0.1867E 00
15-30.00	0.9733E 00	-7.5 TO 97.5	0.2921E-01	82.5-187.5	0.9733E-03	15	0-105	0.2358E 00	90-195	0.1686E-01
30-45.00	0.1548E 01	-7.5 TO 97.5	0.1217E-01	82.5-187.5	0.4987E-04	30	0-105	0.1193E 00	90-195	0.8421E-03
45-60.00	0.2018E 01	-7.5 TO 97.5	0.3173E-02	82.5-187.5	0.4653E-06	45	0-105	0.3711E-01	90-195	0.2744E-05
60-75.00	0.2350E 01	-7.5 TO 97.5	0.3724E-03	82.5-187.5	0.	60	0-105	0.6414E-02	90-195	0.
75-84.26	0.1547E 01	-7.5 TO 97.5	0.1643E-05	82.5-187.5	0.	75	0-105	0.7642E-04	90-195	0.

$r_2/r_1 = 0.80$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.0900$ $\cosh \mu_2 = 1.1375$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 36.58$

0-15.00	0.4742E-01	-7.5 TO 7.5	0.6972E-01	82.5- 97.5	0.1292E-01	0	0- 15	0.2667E-01	90-105	0.2667E-01
15-30.00	0.1390E 00	-7.5 TO 7.5	0.6673E-01	82.5- 97.5	0.2786E-02	15	0- 15	0.7846E-01	90-105	0.5145E-02
30-45.00	0.2212E 00	-7.5 TO 7.5	0.3263E-01	82.5- 97.5	0.2737E-03	30	0- 15	0.4932E-01	90-105	0.5583E-03
45-60.00	0.2883E 00	-7.5 TO 7.5	0.1063E-01	82.5- 97.5	0.3236E-05	45	0- 15	0.1878E-01	90-105	0.2744E-05
60-75.00	0.3357E 00	-7.5 TO 7.5	0.2017E-02	82.5- 97.5	0.	60	0- 15	0.4685E-02	90-105	0.
75-84.26	0.2210E 00	-7.5 TO 7.5	0.9256E-04	82.5- 97.5	0.	75	0- 15	0.3521E-03	90-105	0.
0-15.00	0.9485E-01	-7.5 TO 22.5	0.6697E-01	82.5-112.5	0.1128E-01	0	0- 30	0.5333E-01	90-120	0.5333E-01
15-30.00	0.2781E 00	-7.5 TO 22.5	0.6235E-01	82.5-112.5	0.2130E-02	15	0- 30	0.1409E 00	90-120	0.8476E-02
30-45.00	0.4424E 00	-7.5 TO 22.5	0.3035E-01	82.5-112.5	0.1628E-03	30	0- 30	0.8567E-01	90-120	0.7265E-03
45-60.00	0.5765E 00	-7.5 TO 22.5	0.9881E-02	82.5-112.5	0.1629E-05	45	0- 30	0.3266E-01	90-120	0.2744E-05
60-75.00	0.6714E 00	-7.5 TO 22.5	0.1843E-02	82.5-112.5	0.	60	0- 30	0.8017E-02	90-120	0.
75-84.26	0.4421E 00	-7.5 TO 22.5	0.7711E-04	82.5-112.5	0.	75	0- 30	0.5244E-03	90-120	0.
0-15.00	0.1423E 00	-7.5 TO 37.5	0.6173E-01	82.5-127.5	0.1004E-01	0	0- 45	0.8000E-01	90-135	0.8000E-01
15-30.00	0.4171E 00	-7.5 TO 37.5	0.5464E-01	82.5-127.5	0.1707E-02	15	0- 45	0.1829E 00	90-135	0.1081E-01
30-45.00	0.6636E 00	-7.5 TO 37.5	0.2631E-01	82.5-127.5	0.1126E-03	30	0- 45	0.1066E 00	90-135	0.7667E-03
45-60.00	0.8648E 00	-7.5 TO 37.5	0.8519E-02	82.5-127.5	0.1086E-05	45	0- 45	0.4035E-01	90-135	0.2744E-05
60-75.00	0.1007E 01	-7.5 TO 37.5	0.1533E-02	82.5-127.5	0.	60	0- 45	0.9634E-02	90-135	0.
75-84.26	0.6631E 00	-7.5 TO 37.5	0.5614E-04	82.5-127.5	0.	75	0- 45	0.5465E-03	90-135	0.
0-15.00	0.1857E 00	-7.5 TO 52.5	0.5561E-01	82.5-142.5	0.9096E-02	0	0- 60	0.1067E 00	90-150	0.1067E 00
15-30.00	0.5562E 00	-7.5 TO 52.5	0.4654E-01	82.5-142.5	0.1422E-02	15	0- 60	0.2077E 00	90-150	0.1261E-01
30-45.00	0.8847E 00	-7.5 TO 52.5	0.2205E-01	82.5-142.5	0.8671E-04	30	0- 60	0.1166E 00	90-150	0.8185E-03
45-60.00	0.1153E 01	-7.5 TO 52.5	0.7053E-02	82.5-142.5	0.8146E-06	45	0- 60	0.4346E-01	90-150	0.2744E-05
60-75.00	0.1343E 01	-7.5 TO 52.5	0.1223E-02	82.5-142.5	0.	60	0- 60	0.1008E-01	90-150	0.
75-84.26	0.8842E 00	-7.5 TO 52.5	0.4222E-04	82.5-142.5	0.	75	0- 60	0.5465E-03	90-150	0.
0-15.00	0.2371E 00	-7.5 TO 67.5	0.4968E-01	82.5-157.5	0.8375E-02	0	0- 75	0.1333E 00	90-165	0.1333E 00
15-30.00	0.6952E 00	-7.5 TO 67.5	0.3951E-01	82.5-157.5	0.1222E-02	15	0- 75	0.2222E 00	90-165	0.1411E-01
30-45.00	0.1106E 01	-7.5 TO 67.5	0.1838E-01	82.5-157.5	0.6967E-04	30	0- 75	0.1208E 00	90-165	0.8272E-03
45-60.00	0.1441E 01	-7.5 TO 67.5	0.5799E-02	82.5-157.5	0.6517E-06	45	0- 75	0.4429E-01	90-165	0.2744E-05
60-75.00	0.1678E 01	-7.5 TO 67.5	0.9865E-03	82.5-157.5	0.	60	0- 75	0.1012E-01	90-165	0.
75-84.26	0.1105E 01	-7.5 TO 67.5	0.3378E-04	82.5-157.5	0.	75	0- 75	0.5465E-03	90-165	0.
0-15.00	0.2845E 00	-7.5 TO 82.5	0.4441E-01	82.5-172.5	0.7824E-02	0	0- 90	0.1600E 00	90-180	0.1600E 00
15-30.00	0.8343E 00	-7.5 TO 82.5	0.3386E-01	82.5-172.5	0.1079E-02	15	0- 90	0.2307E 00	90-180	0.1548E-01
30-45.00	0.1327E 01	-7.5 TO 82.5	0.1549E-01	82.5-172.5	0.5813E-04	30	0- 90	0.1224E 00	90-180	0.8346E-03
45-60.00	0.1730E 01	-7.5 TO 82.5	0.4851E-02	82.5-172.5	0.5430E-06	45	0- 90	0.4438E-01	90-180	0.2744E-05
60-75.00	0.2014E 01	-7.5 TO 82.5	0.8222E-03	82.5-172.5	0.	60	0- 90	0.1012E-01	90-180	0.
75-84.26	0.1326E 01	-7.5 TO 82.5	0.2815E-04	82.5-172.5	0.	75	0- 90	0.5465E-03	90-180	0.
0-15.00	0.3320E 00	-7.5 TO 97.5	0.3991E-01	82.5-187.5	0.7411E-02	0	0-105	0.1867E 00	90-195	0.1867E 00
15-30.00	0.9733E 00	-7.5 TO 97.5	0.2942E-01	82.5-187.5	0.9733E-03	15	0-105	0.2358E 00	90-195	0.1686E-01
30-45.00	0.1548E 01	-7.5 TO 97.5	0.1332E-01	82.5-187.5	0.4987E-04	30	0-105	0.1230E 00	90-195	0.8421E-03
45-60.00	0.2018E 01	-7.5 TO 97.5	0.4159E-02	82.5-187.5	0.4655E-06	45	0-105	0.4439E-01	90-195	0.2744E-05
60-75.00	0.2350E 01	-7.5 TO 97.5	0.7047E-03	82.5-187.5	0.	60	0-105	0.1012E-01	90-195	0.
75-84.26	0.1547E 01	-7.5 TO 97.5	0.2413E-04	82.5-187.5	0.	75	0-105	0.5465E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(1) Continued. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.0900$ $\cosh \mu_2 = 1.1375$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 28.46$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.4742E-01	-7.5 TO 7.5	0.6972E-01	82.5- 97.5	0.1292E-01	0	0- 15	0.2667E-01	90-105	0.2667E-01
15-30.00	0.1390E 00	-7.5 TO 7.5	0.6673E-01	82.5- 97.5	0.2786E-02	15	0- 15	0.7846E-01	90-105	0.5145E-02
30-45.00	0.2212E 00	-7.5 TO 7.5	0.3286E-01	82.5- 97.5	0.2737E-03	30	0- 15	0.4932E-01	90-105	0.5583E-03
45-60.00	0.2883E 00	-7.5 TO 7.5	0.1127E-01	82.5- 97.5	0.3236E-05	45	0- 15	0.1929E-01	90-105	0.2744E-05
60-75.00	0.3357E 00	-7.5 TO 7.5	0.2396E-02	82.5- 97.5	0.	60	0- 15	0.5249E-02	90-105	0.
75-84.26	0.2210E 00	-7.5 TO 7.5	0.1678E-03	82.5- 97.5	0.	75	0- 15	0.5233E-03	90-105	0.
0-15.00	0.9485E-01	-7.5 TO 22.5	0.6697E-01	82.5-112.5	0.1128E-01	0	0- 30	0.5333E-01	90-120	0.5333E-01
15-30.00	0.2781E 00	-7.5 TO 22.5	0.6235E-01	82.5-112.5	0.2130E-02	15	0- 30	0.1409E 00	90-120	0.8476E-02
30-45.00	0.4424E 00	-7.5 TO 22.5	0.3055E-01	82.5-112.5	0.1628E-03	30	0- 30	0.8567E-01	90-120	0.7265E-03
45-60.00	0.5765E 00	-7.5 TO 22.5	0.1045E-01	82.5-112.5	0.1629E-05	45	0- 30	0.3346E-01	90-120	0.2744E-05
60-75.00	0.6714E 00	-7.5 TO 22.5	0.2187E-02	82.5-112.5	0.	60	0- 30	0.8951E-02	90-120	0.
75-84.26	0.4421E 00	-7.5 TO 22.5	0.1416E-03	82.5-112.5	0.	75	0- 30	0.7999E-03	90-120	0.
0-15.00	0.1423E 00	-7.5 TO 37.5	0.6173E-01	82.5-127.5	0.1004E-01	0	0- 45	0.8000E-01	90-135	0.8000E-01
15-30.00	0.4171E 00	-7.5 TO 37.5	0.5464E-01	82.5-127.5	0.1707E-02	15	0- 45	0.1825E 00	90-135	0.1081E-01
30-45.00	0.6636E 00	-7.5 TO 37.5	0.2645E-01	82.5-127.5	0.1126E-03	30	0- 45	0.1066E 00	90-135	0.7667E-03
45-60.00	0.8648E 00	-7.5 TO 37.5	0.8981E-02	82.5-127.5	0.1086E-05	45	0- 45	0.4120E-01	90-135	0.2744E-05
60-75.00	0.1007E 01	-7.5 TO 37.5	0.1817E-02	82.5-127.5	0.	60	0- 45	0.1070E-01	90-135	0.
75-84.26	0.6631E 00	-7.5 TO 37.5	0.1051E-03	82.5-127.5	0.	75	0- 45	0.8491E-03	90-135	0.
0-15.00	0.1857E 00	-7.5 TO 52.5	0.5561E-01	82.5-142.5	0.9096E-02	0	0- 60	0.1067E 00	90-150	0.1067E 00
15-30.00	0.5562E 00	-7.5 TO 52.5	0.4654E-01	82.5-142.5	0.1422E-02	15	0- 60	0.2077E 00	90-150	0.1261E-01
30-45.00	0.8647E 00	-7.5 TO 52.5	0.2216E-01	82.5-142.5	0.8671E-04	30	0- 60	0.1166E 00	90-150	0.8185E-03
45-60.00	0.1153E 01	-7.5 TO 52.5	0.7411E-02	82.5-142.5	0.8146E-06	45	0- 60	0.4431E-01	90-150	0.2744E-05
60-75.00	0.1343E 01	-7.5 TO 52.5	0.1446E-02	82.5-142.5	0.	60	0- 60	0.1117E-01	90-150	0.
75-84.26	0.8642E 00	-7.5 TO 52.5	0.7931E-04	82.5-142.5	0.	75	0- 60	0.8493E-03	90-150	0.
0-15.00	0.2371E 00	-7.5 TO 67.5	0.4968E-01	82.5-157.5	0.8375E-02	0	0- 75	0.1333E 00	90-165	0.1333E 00
15-30.00	0.6552E 00	-7.5 TO 67.5	0.3951E-01	82.5-157.5	0.1222E-02	15	0- 75	0.2222E 00	90-165	0.1411E-01
30-45.00	0.1106E 01	-7.5 TO 67.5	0.1847E-01	82.5-157.5	0.6967E-04	30	0- 75	0.1208E 00	90-165	0.8272E-03
45-60.00	0.1441E 01	-7.5 TO 67.5	0.6086E-02	82.5-157.5	0.6517E-06	45	0- 75	0.4514E-01	90-165	0.2744E-05
60-75.00	0.1678E 01	-7.5 TO 67.5	0.1165E-02	82.5-157.5	0.	60	0- 75	0.1120E-01	90-165	0.
75-84.26	0.1105E 01	-7.5 TO 67.5	0.6345E-04	82.5-157.5	0.	75	0- 75	0.8493E-03	90-165	0.
0-15.00	0.2845E 00	-7.5 TO 82.5	0.4441E-01	82.5-172.5	0.7824E-02	0	0- 90	0.1600E 00	90-180	0.1600E 00
15-30.00	0.8343E 00	-7.5 TO 82.5	0.3386E-01	82.5-172.5	0.1079E-02	15	0- 90	0.2307E 00	90-180	0.1548E-01
30-45.00	0.1327E 01	-7.5 TO 82.5	0.1557E-01	82.5-172.5	0.5813E-04	30	0- 90	0.1224E 00	90-180	0.8346E-03
45-60.00	0.1730E 01	-7.5 TO 82.5	0.5090E-02	82.5-172.5	0.5430E-06	45	0- 90	0.4523E-01	90-180	0.2744E-05
60-75.00	0.2014E 01	-7.5 TO 82.5	0.9714E-03	82.5-172.5	0.	60	0- 90	0.1120E-01	90-180	0.
75-84.26	0.1326E 01	-7.5 TO 82.5	0.5287E-04	82.5-172.5	0.	75	0- 90	0.8493E-03	90-180	0.
0-15.00	0.3320E 00	-7.5 TO 97.5	0.3991E-01	82.5-187.5	0.7411E-02	0	0-105	0.1867E 00	90-195	0.1867E 00
15-30.00	0.9733E 00	-7.5 TO 97.5	0.2942E-01	82.5-187.5	0.9733E-03	15	0-105	0.2358E 00	90-195	0.1686E-01
30-45.00	0.1548E 01	-7.5 TO 97.5	0.1338E-01	82.5-187.5	0.4987E-04	30	0-105	0.1230E 00	90-195	0.8421E-03
45-60.00	0.2018E 01	-7.5 TO 97.5	0.4364E-02	82.5-187.5	0.4655E-06	45	0-105	0.4523E-01	90-195	0.2744E-05
60-75.00	0.2350E 01	-7.5 TO 97.5	0.8326E-03	82.5-187.5	0.	60	0-105	0.1120E-01	90-195	0.
75-84.26	0.1547E 01	-7.5 TO 97.5	0.4532E-04	82.5-187.5	0.	75	0-105	0.8493E-03	90-195	0.

$r_2/r_1 = 0.80$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.0900$ $\cosh \mu_2 = 1.1375$ $\alpha_{2,max} = 95.74$ $\theta_{2,min} = 25.84$

0-15.00	0.4742E-01	-7.5 TO 7.5	0.6972E-01	82.5- 97.5	0.1292E-01	0	0- 15	0.2667E-01	90-105	0.2667E-01
15-30.00	0.1390E 00	-7.5 TO 7.5	0.6673E-01	82.5- 97.5	0.2786E-02	15	0- 15	0.7846E-01	90-105	0.5145E-02
30-45.00	0.2212E 00	-7.5 TO 7.5	0.3286E-01	82.5- 97.5	0.2737E-03	30	0- 15	0.4932E-01	90-105	0.5583E-03
45-60.00	0.2883E 00	-7.5 TO 7.5	0.1127E-01	82.5- 97.5	0.3236E-05	45	0- 15	0.1929E-01	90-105	0.2744E-05
60-75.00	0.3357E 00	-7.5 TO 7.5	0.2410E-02	82.5- 97.5	0.	60	0- 15	0.5257E-02	90-105	0.
75-84.26	0.2210E 00	-7.5 TO 7.5	0.1734E-03	82.5- 97.5	0.	75	0- 15	0.5338E-03	90-105	0.
0-15.00	0.9485E-01	-7.5 TO 22.5	0.6697E-01	82.5-112.5	0.1128E-01	0	0- 30	0.5333E-01	90-120	0.5333E-01
15-30.00	0.2781E 00	-7.5 TO 22.5	0.6235E-01	82.5-112.5	0.2130E-02	15	0- 30	0.1409E 00	90-120	0.8476E-02
30-45.00	0.4424E 00	-7.5 TO 22.5	0.3055E-01	82.5-112.5	0.1628E-03	30	0- 30	0.8567E-01	90-120	0.7265E-03
45-60.00	0.5765E 00	-7.5 TO 22.5	0.1046E-01	82.5-112.5	0.1629E-05	45	0- 30	0.3346E-01	90-120	0.2744E-05
60-75.00	0.6714E 00	-7.5 TO 22.5	0.2198E-02	82.5-112.5	0.	60	0- 30	0.8959E-02	90-120	0.
75-84.26	0.4421E 00	-7.5 TO 22.5	0.1461E-03	82.5-112.5	0.	75	0- 30	0.8136E-03	90-120	0.
0-15.00	0.1423E 00	-7.5 TO 37.5	0.6173E-01	82.5-127.5	0.1004E-01	0	0- 45	0.8000E-01	90-135	0.8000E-01
15-30.00	0.4171E 00	-7.5 TO 37.5	0.5464E-01	82.5-127.5	0.1707E-02	15	0- 45	0.1825E 00	90-135	0.1081E-01
30-45.00	0.6636E 00	-7.5 TO 37.5	0.2645E-01	82.5-127.5	0.1126E-03	30	0- 45	0.1066E 00	90-135	0.7667E-03
45-60.00	0.8648E 00	-7.5 TO 37.5	0.8982E-02	82.5-127.5	0.1086E-05	45	0- 45	0.4120E-01	90-135	0.2744E-05
60-75.00	0.1007E 01	-7.5 TO 37.5	0.1824E-02	82.5-127.5	0.	60	0- 45	0.1071E-01	90-135	0.
75-84.26	0.6631E 00	-7.5 TO 37.5	0.1083E-03	82.5-127.5	0.	75	0- 45	0.8629E-03	90-135	0.
0-15.00	0.1857E 00	-7.5 TO 52.5	0.5561E-01	82.5-142.5	0.9096E-02	0	0- 60	0.1067E 00	90-150	0.1067E 00
15-30.00	0.5562E 00	-7.5 TO 52.5	0.4654E-01	82.5-142.5	0.1422E-02	15	0- 60	0.2077E 00	90-150	0.1261E-01
30-45.00	0.8647E 00	-7.5 TO 52.5	0.2216E-01	82.5-142.5	0.8671E-04	30	0- 60	0.1166E 00	90-150	0.8185E-03
45-60.00	0.1153E 01	-7.5 TO 52.5	0.7412E-02	82.5-142.5	0.8146E-06	45	0- 60	0.4431E-01	90-150	0.2744E-05
60-75.00	0.1343E 01	-7.5 TO 52.5	0.1452E-02	82.5-142.5	0.	60	0- 60	0.1118E-01	90-150	0.
75-84.26	0.8642E 00	-7.5 TO 52.5	0.8165E-04	82.5-142.5	0.	75	0- 60	0.8630E-03	90-150	0.
0-15.00	0.2371E 00	-7.5 TO 67.5	0.4968E-01	82.5-157.5	0.8375E-02	0	0- 75	0.1333E 00	90-165	0.1333E 00
15-30.00	0.6552E 00	-7.5 TO 67.5	0.3951E-01	82.5-157.5	0.1222E-02	15	0- 75	0.2222E 00	90-165	0.1411E-01
30-45.00	0.1106E 01	-7.5 TO 67.5	0.1847E-01	82.5-157.5	0.6967E-04	30	0- 75	0.1208E 00	90-165	0.8272E-03
45-60.00	0.1441E 01	-7.5 TO 67.5	0.6087E-02	82.5-157.5	0.6517E-06	45	0- 75	0.4514E-01	90-165	0.2744E-05
60-75.00	0.1678E 01	-7.5 TO 67.5	0.1170E-02	82.5-157.5	0.	60	0- 75	0.1121E-01	90-165	0.
75-84.26	0.1105E 01	-7.5 TO 67.5	0.6532E-04	82.5-157.5	0.	75	0- 75	0.8630E-03	90-165	0.
0-15.00	0.2845E 00	-7.5 TO 82.5	0.4441E-01	82.5-172.5	0.7824E-02	0	0- 90	0.1600E 00	90-180	0.1600E 00
15-30.00	0.8343E 00	-7.5 TO 82.5	0.3386E-01	82.5-172.5	0.1079E-02	15	0- 90	0.2307E 00	90-180	0.1548E-01
30-45.00	0.1327E 01	-7.5 TO 82.5	0.1557E-01	82.5-172.5	0.5813E-04	30	0- 90	0.1224E 00	90-180	0.8346E-03
45-60.00	0.1730E 01	-7.5 TO 82.5	0.5091E-02	82.5-172.5	0.5430E-06	45	0- 90	0.4523E-01	90-180	0.2744E-05
60-75.00	0.2014E 01	-7.5 TO 82.5	0.9751E-03	82.5-172.5	0.	60	0- 90	0.1121E-01	90-180	0.
75-84.26	0.1326E 01	-7.5 TO 82.5	0.5444E-04	82.5-172.5	0.	75	0- 90	0.8630E-03	90-180	0.
0-15.00	0.3320E 00	-7.5 TO 97.5	0.3991E-01	82.5-187.5	0.7411E-02	0	0-105	0.1867E 00	90-195	0.1867E 00
15-30.00	0.9733E 00	-7.5 TO 97.5	0.2942E-01	82.5-187.5	0.9733E-03	15	0-105	0.2358E 00	90-195	0.1686E-01
30-45.00	0.1548E 01	-7.5 TO 97.5	0.1338E-01	82.5-187.5	0.4987E-04	30	0-105	0.1230E 00	90-195	0.8421E-03
45-60.00	0.2018E 01	-7.5 TO 97.5	0.4364E-02	82.5-187.5	0.4655E-06	45	0-105	0.4523E-01	90-195	0.2744E-05
60-75.00	0.2350E 01	-7.5 TO 97.5	0.8358E-03	82.5-187.5	0.	60	0-105	0.1121E-01	90-195	0.
75-84.26	0.1547E 01	-7.5 TO 97.5	0.4666E-04	82.5-187.5	0.	75	0-105	0.8630E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(i) Continued. Radius ratio, r_2/r_1, 0.80

r_2/r_1 = 0.80 d/r_1 = 3.000 $\cosh \mu_1$ = 1.5600 $\cosh \mu_2$ = 1.8000 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 152.33

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.6223E-02	-7.5 TO 7.5	0.1142E-02	82.5- 97.5	0.1030E-02	0	0- 15	0.1153E-02	90-105	0.1153E-02
15-30.00	0.1624E-01	-7.5 TO 7.5	0.8484E-03	82.5- 97.5	0.6825E-03	15	0- 15	0.1070E-02	90-105	0.8997E-03
30-45.00	0.2902E-01	-7.5 TO 7.5	0.4444E-03	82.5- 97.5	0.3225E-03	30	0- 15	0.6517E-03	90-105	0.4796E-03
45-60.00	0.3782E-01	-7.5 TO 7.5	0.1574E-03	82.5- 97.5	0.9588E-04	45	0- 15	0.2817E-03	90-105	0.1823E-03
60-75.00	0.4404E-01	-7.5 TO 7.5	0.1335E-04	82.5- 97.5	0.2320E-05	60	0- 15	0.6195E-04	90-105	0.1949E-04
75-86.18	0.3509E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1245E-01	-7.5 TO 22.5	0.1140E-02	82.5-112.5	0.1017E-02	0	0- 30	0.2306E-02	90-120	0.2306E-02
15-30.00	0.3649E-01	-7.5 TO 22.5	0.8452E-03	82.5-112.5	0.6642E-03	15	0- 30	0.2129E-02	90-120	0.1766E-02
30-45.00	0.5804E-01	-7.5 TO 22.5	0.4420E-03	82.5-112.5	0.3098E-03	30	0- 30	0.1291E-02	90-120	0.9279E-03
45-60.00	0.7564E-01	-7.5 TO 22.5	0.1562E-03	82.5-112.5	0.8969E-04	45	0- 30	0.5562E-03	90-120	0.3473E-03
60-75.00	0.8859E-01	-7.5 TO 22.5	0.1304E-04	82.5-112.5	0.1746E-05	60	0- 30	0.1207E-03	90-120	0.3200E-04
75-86.18	0.7018E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.1667E-01	-7.5 TO 37.5	0.1135E-02	82.5-127.5	0.1004E-02	0	0- 45	0.3460E-02	90-135	0.3460E-02
15-30.00	0.5473E-01	-7.5 TO 37.5	0.8380E-03	82.5-127.5	0.6474E-03	15	0- 45	0.3166E-02	90-135	0.2603E-02
30-45.00	0.8706E-01	-7.5 TO 37.5	0.4365E-03	82.5-127.5	0.2982E-03	30	0- 45	0.1908E-02	90-135	0.1350E-02
45-60.00	0.1135E 00	-7.5 TO 37.5	0.1534E-03	82.5-127.5	0.8414E-04	45	0- 45	0.8172E-03	90-135	0.4981E-03
60-75.00	0.1321E 00	-7.5 TO 37.5	0.1239E-04	82.5-127.5	0.1380E-05	60	0- 45	0.1736E-03	90-135	0.3894E-04
75-86.18	0.1053E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.2489E-01	-7.5 TO 52.5	0.1128E-02	82.5-142.5	0.9930E-03	0	0- 60	0.4613E-02	90-150	0.4613E-02
15-30.00	0.7297E-01	-7.5 TO 52.5	0.8274E-03	82.5-142.5	0.6325E-03	15	0- 60	0.4174E-02	90-150	0.3417E-02
30-45.00	0.1161E 00	-7.5 TO 52.5	0.4285E-03	82.5-142.5	0.2880E-03	30	0- 60	0.2494E-02	90-150	0.1752E-02
45-60.00	0.1513E 00	-7.5 TO 52.5	0.1492E-03	82.5-142.5	0.7931E-04	45	0- 60	0.1060E-02	90-150	0.6381E-03
60-75.00	0.1762E 00	-7.5 TO 52.5	0.1150E-04	82.5-142.5	0.1098E-05	60	0- 60	0.2187E-03	90-150	0.4278E-04
75-86.18	0.1404E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.3111E-01	-7.5 TO 67.5	0.1119E-02	82.5-157.5	0.9833E-03	0	0- 75	0.5766E-02	90-165	0.5766E-02
15-30.00	0.9122E-01	-7.5 TO 67.5	0.8139E-03	82.5-157.5	0.6197E-03	15	0- 75	0.5147E-02	90-165	0.4215E-02
30-45.00	0.1451E 00	-7.5 TO 67.5	0.4185E-03	82.5-157.5	0.2794E-03	30	0- 75	0.3065E-02	90-165	0.2140E-02
45-60.00	0.1891E 00	-7.5 TO 67.5	0.1441E-03	82.5-157.5	0.7526E-04	45	0- 75	0.1283E-02	90-165	0.7709E-03
60-75.00	0.2202E 00	-7.5 TO 67.5	0.1049E-04	82.5-157.5	0.9102E-06	60	0- 75	0.2551E-03	90-165	0.4552E-04
75-86.18	0.1755E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.3734E-01	-7.5 TO 82.5	0.1109E-02	82.5-172.5	0.9753E-03	0	0- 90	0.6919E-02	90-180	0.6919E-02
15-30.00	0.1095E 00	-7.5 TO 82.5	0.7985E-03	82.5-172.5	0.6093E-03	15	0- 90	0.6083E-02	90-180	0.5006E-02
30-45.00	0.1741E 00	-7.5 TO 82.5	0.4071E-03	82.5-172.5	0.2724E-03	30	0- 90	0.3560E-02	90-180	0.2521E-02
45-60.00	0.2269E 00	-7.5 TO 82.5	0.1384E-03	82.5-172.5	0.7199E-04	45	0- 90	0.1485E-02	90-180	0.9001E-03
60-75.00	0.2643E 00	-7.5 TO 82.5	0.9441E-05	82.5-172.5	0.7791E-06	60	0- 90	0.2827E-03	90-180	0.4787E-04
75-86.18	0.2105E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.4356E-01	-7.5 TO 97.5	0.1098E-02	82.5-187.5	0.9691E-03	0	0-105	0.8072E-02	90-195	0.8072E-02
15-30.00	0.1277E 00	-7.5 TO 97.5	0.7819E-03	82.5-187.5	0.6012E-03	15	0-105	0.6983E-02	90-195	0.5796E-02
30-45.00	0.2031E 00	-7.5 TO 97.5	0.3950E-03	82.5-187.5	0.2670E-03	30	0-105	0.4040E-02	90-195	0.2903E-02
45-60.00	0.2647E 00	-7.5 TO 97.5	0.1323E-03	82.5-187.5	0.6950E-04	45	0-105	0.1667E-02	90-195	0.1029E-02
60-75.00	0.3083E 00	-7.5 TO 97.5	0.8424E-05	82.5-187.5	0.6842E-06	60	0-105	0.3021E-03	90-195	0.5021E-04
75-86.18	0.2456E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

r_2/r_1 = 0.80 d/r_1 = 3.000 $\cosh \mu_1$ = 1.5600 $\cosh \mu_2$ = 1.8000 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 126.75

0-15.00	0.6223E-02	-7.5 TO 7.5	0.3868E-02	82.5- 97.5	0.3209E-02	0	0- 15	0.3568E-02	90-105	0.3568E-02
15-30.00	0.1624E-01	-7.5 TO 7.5	0.3244E-02	82.5- 97.5	0.2176E-02	15	0- 15	0.3802E-02	90-105	0.2779E-02
30-45.00	0.2902E-01	-7.5 TO 7.5	0.1923E-02	82.5- 97.5	0.1065E-02	30	0- 15	0.2654E-02	90-105	0.1510E-02
45-60.00	0.3782E-01	-7.5 TO 7.5	0.7989E-03	82.5- 97.5	0.3326E-03	45	0- 15	0.1306E-02	90-105	0.5890E-03
60-75.00	0.4404E-01	-7.5 TO 7.5	0.1345E-03	82.5- 97.5	0.1082E-04	60	0- 15	0.3941E-03	90-105	0.6598E-04
75-86.18	0.3509E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1245E-01	-7.5 TO 22.5	0.3856E-02	82.5-112.5	0.3135E-02	0	0- 30	0.7135E-02	90-120	0.7135E-02
15-30.00	0.3649E-01	-7.5 TO 22.5	0.3221E-02	82.5-112.5	0.2072E-02	15	0- 30	0.7531E-02	90-120	0.5373E-02
30-45.00	0.5804E-01	-7.5 TO 22.5	0.1904E-02	82.5-112.5	0.9876E-03	30	0- 30	0.5218E-02	90-120	0.2845E-02
45-60.00	0.7564E-01	-7.5 TO 22.5	0.7879E-03	82.5-112.5	0.2950E-03	45	0- 30	0.2552E-02	90-120	0.1078E-02
60-75.00	0.8859E-01	-7.5 TO 22.5	0.1305E-03	82.5-112.5	0.7642E-05	60	0- 30	0.7591E-03	90-120	0.9188E-04
75-86.18	0.7018E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.1667E-01	-7.5 TO 37.5	0.3827E-02	82.5-127.5	0.3068E-02	0	0- 45	0.1070E-01	90-135	0.1070E-01
15-30.00	0.5473E-01	-7.5 TO 37.5	0.3171E-02	82.5-127.5	0.1980E-02	15	0- 45	0.1112E-01	90-135	0.7815E-02
30-45.00	0.8706E-01	-7.5 TO 37.5	0.1861E-02	82.5-127.5	0.9244E-03	30	0- 45	0.7615E-02	90-135	0.4040E-02
45-60.00	0.1135E 00	-7.5 TO 37.5	0.7638E-03	82.5-127.5	0.2632E-03	45	0- 45	0.3690E-02	90-135	0.1492E-02
60-75.00	0.1321E 00	-7.5 TO 37.5	0.1220E-03	82.5-127.5	0.5743E-05	60	0- 45	0.1072E-02	90-135	0.1005E-03
75-86.18	0.1053E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.2489E-01	-7.5 TO 52.5	0.3785E-02	82.5-142.5	0.3008E-02	0	0- 60	0.1427E-01	90-150	0.1427E-01
15-30.00	0.7297E-01	-7.5 TO 52.5	0.3098E-02	82.5-142.5	0.1900E-02	15	0- 60	0.1453E-01	90-150	0.1014E-01
30-45.00	0.1161E 00	-7.5 TO 52.5	0.1799E-02	82.5-142.5	0.8690E-03	30	0- 60	0.9798E-02	90-150	0.5134E-02
45-60.00	0.1513E 00	-7.5 TO 52.5	0.7294E-03	82.5-142.5	0.2370E-03	45	0- 60	0.4688E-02	90-150	0.1850E-02
60-75.00	0.1762E 00	-7.5 TO 52.5	0.1108E-03	82.5-142.5	0.4374E-05	60	0- 60	0.1321E-02	90-150	0.1044E-03
75-86.18	0.1404E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.3111E-01	-7.5 TO 67.5	0.3732E-02	82.5-157.5	0.2956E-02	0	0- 75	0.1784E-01	90-165	0.1784E-01
15-30.00	0.9122E-01	-7.5 TO 67.5	0.3008E-02	82.5-157.5	0.1833E-02	15	0- 75	0.1774E-01	90-165	0.1238E-01
30-45.00	0.1451E 00	-7.5 TO 67.5	0.1725E-02	82.5-157.5	0.8232E-03	30	0- 75	0.1175E-01	90-165	0.6160E-02
45-60.00	0.1891E 00	-7.5 TO 67.5	0.6884E-03	82.5-157.5	0.2159E-03	45	0- 75	0.5540E-02	90-165	0.2175E-02
60-75.00	0.2202E 00	-7.5 TO 67.5	0.9834E-04	82.5-157.5	0.3530E-05	60	0- 75	0.1501E-02	90-165	0.1071E-03
75-86.18	0.1755E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.3734E-01	-7.5 TO 82.5	0.3671E-02	82.5-172.5	0.2914E-02	0	0- 90	0.2141E-01	90-180	0.2141E-01
15-30.00	0.1095E 00	-7.5 TO 82.5	0.2908E-02	82.5-172.5	0.1778E-02	15	0- 90	0.2072E-01	90-180	0.1459E-01
30-45.00	0.1741E 00	-7.5 TO 82.5	0.1644E-02	82.5-172.5	0.7865E-03	30	0- 90	0.1346E-01	90-180	0.7153E-02
45-60.00	0.2269E 00	-7.5 TO 82.5	0.6442E-03	82.5-172.5	0.1996E-03	45	0- 90	0.6251E-02	90-180	0.2482E-02
60-75.00	0.2643E 00	-7.5 TO 82.5	0.8620E-04	82.5-172.5	0.2963E-05	60	0- 90	0.1619E-02	90-180	0.1095E-03
75-86.18	0.2105E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.4356E-01	-7.5 TO 97.5	0.3605E-02	82.5-187.5	0.2882E-02	0	0-105	0.2497E-01	90-195	0.2497E-01
15-30.00	0.1277E 00	-7.5 TO 97.5	0.2803E-02	82.5-187.5	0.1737E-02	15	0-105	0.2350E-01	90-195	0.1679E-01
30-45.00	0.2031E 00	-7.5 TO 97.5	0.1562E-02	82.5-187.5	0.7586E-03	30	0-105	0.1497E-01	90-195	0.8147E-02
45-60.00	0.2647E 00	-7.5 TO 97.5	0.5997E-03	82.5-187.5	0.1872E-03	45	0-105	0.6840E-02	90-195	0.2790E-02
60-75.00	0.3083E 00	-7.5 TO 97.5	0.7543E-04	82.5-187.5	0.2556E-05	60	0-105	0.1685E-02	90-195	0.1118E-03
75-86.18	0.2456E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(i) Continued. Radius ratio, r_2/r_1, 0.80

r_2/r_1 = 0.80 d/r_1 = 3.000 $\cosh \mu_1$ = 1.5600 $\cosh \mu_2$ = 1.8000 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 104.45

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.6223E-02	-7.5 TO 7.5	0.6500E-02	82.5- 97.5	0.5081E-02	0	0- 15	0.5609E-02	90-105	0.5609E-02
15-30.00	0.1824E-01	-7.5 TO 7.5	0.6002E-02	82.5- 97.5	0.3529E-02	15	0- 15	0.6618E-02	90-105	0.4381E-02
30-45.00	0.2902E-01	-7.5 TO 7.5	0.3963E-02	82.5- 97.5	0.1795E-02	30	0- 15	0.5180E-02	90-105	0.2440E-02
45-60.00	0.3782E-01	-7.5 TO 7.5	0.1866E-02	82.5- 97.5	0.5947E-03	45	0- 15	0.2856E-02	90-105	0.9857E-03
60-75.00	0.4404E-01	-7.5 TO 7.5	0.4596E-03	82.5- 97.5	0.2533E-04	60	0- 15	0.1041E-02	90-105	0.1238E-03
75-86.18	0.3509E-01	-7.5 TO 7.5	0.7746E-05	82.5- 97.5	0.	75	0- 15	0.5861E-04	90-105	0.
0-15.00	0.1245E-01	-7.5 TO 22.5	0.6472E-02	82.5-112.5	0.4929E-02	0	0- 30	0.1122E-01	90-120	0.1122E-01
15-30.00	0.3649E-01	-7.5 TO 22.5	0.5946E-02	82.5-112.5	0.3309E-02	15	0- 30	0.1307E-01	90-120	0.8383E-02
30-45.00	0.5804E-01	-7.5 TO 22.5	0.3910E-02	82.5-112.5	0.1629E-02	30	0- 30	0.1012E-01	90-120	0.4505E-02
45-60.00	0.7564E-01	-7.5 TO 22.5	0.1833E-02	82.5-112.5	0.5083E-03	45	0- 30	0.5538E-02	90-120	0.1752E-02
60-75.00	0.8809E-01	-7.5 TO 22.5	0.4450E-03	82.5-112.5	0.1689E-04	60	0- 30	0.1991E-02	90-120	0.1609E-03
75-86.18	0.7018E-01	-7.5 TO 22.5	0.6661E-05	82.5-112.5	0.	75	0- 30	0.9548E-04	90-120	0.
0-15.00	0.1667E-01	-7.5 TO 37.5	0.6410E-02	82.5-127.5	0.4791E-02	0	0- 45	0.1683E-01	90-135	0.1683E-01
15-30.00	0.5473E-01	-7.5 TO 37.5	0.5824E-02	82.5-127.5	0.3116E-02	15	0- 45	0.1921E-01	90-135	0.1207E-01
30-45.00	0.8706E-01	-7.5 TO 37.5	0.3794E-02	82.5-127.5	0.1488E-02	30	0- 45	0.1465E-01	90-135	0.6285E-02
45-60.00	0.1135E 00	-7.5 TO 37.5	0.1761E-02	82.5-127.5	0.4383E-03	45	0- 45	0.7914E-02	90-135	0.2359E-02
60-75.00	0.1321E 00	-7.5 TO 37.5	0.4139E-03	82.5-127.5	0.1236E-04	60	0- 45	0.2783E-02	90-135	0.1732E-03
75-86.18	0.1053E 00	-7.5 TO 37.5	0.5078E-05	82.5-127.5	0.	75	0- 45	0.1049E-03	90-135	0.
0-15.00	0.2489E-01	-7.5 TO 52.5	0.6317E-02	82.5-142.5	0.4668E-02	0	0- 60	0.2243E-01	90-150	0.2243E-01
15-30.00	0.7297E-01	-7.5 TO 52.5	0.5649E-02	82.5-142.5	0.2951E-02	15	0- 60	0.2495E-01	90-150	0.1553E-01
30-45.00	0.1161E 00	-7.5 TO 52.5	0.3630E-02	82.5-142.5	0.1371E-02	30	0- 60	0.1864E-01	90-150	0.7861E-02
45-60.00	0.1513E 00	-7.5 TO 52.5	0.1661E-02	82.5-142.5	0.3831E-03	45	0- 60	0.9914E-02	90-150	0.2859E-02
60-75.00	0.1762E 00	-7.5 TO 52.5	0.3724E-03	82.5-142.5	0.9347E-05	60	0- 60	0.3384E-02	90-150	0.1770E-03
75-86.18	0.1404E 00	-7.5 TO 52.5	0.3864E-05	82.5-142.5	0.	75	0- 60	0.1049E-03	90-150	0.
0-15.00	0.3111E-01	-7.5 TO 67.5	0.6201E-02	82.5-157.5	0.4564E-02	0	0- 75	0.2804E-01	90-165	0.2804E-01
15-30.00	0.9122E-01	-7.5 TO 67.5	0.5436E-02	82.5-157.5	0.2814E-02	15	0- 75	0.3023E-01	90-165	0.1883E-01
30-45.00	0.1451E 00	-7.5 TO 67.5	0.3437E-02	82.5-157.5	0.1276E-02	30	0- 75	0.2207E-01	90-165	0.9307E-02
45-60.00	0.1891E 00	-7.5 TO 67.5	0.1545E-02	82.5-157.5	0.3405E-03	45	0- 75	0.1153E-01	90-165	0.3294E-02
60-75.00	0.2202E 00	-7.5 TO 67.5	0.3274E-03	82.5-157.5	0.7509E-05	60	0- 75	0.3796E-02	90-165	0.1797E-03
75-86.18	0.1755E 00	-7.5 TO 67.5	0.3091E-05	82.5-157.5	0.	75	0- 75	0.1049E-03	90-165	0.
0-15.00	0.3734E-01	-7.5 TO 82.5	0.6069E-02	82.5-172.5	0.4479E-02	0	0- 90	0.3365E-01	90-180	0.3365E-01
15-30.00	0.1095E 00	-7.5 TO 82.5	0.5203E-02	82.5-172.5	0.2705E-02	15	0- 90	0.3505E-01	90-180	0.2205E-01
30-45.00	0.1741E 00	-7.5 TO 82.5	0.3232E-02	82.5-172.5	0.1201E-02	30	0- 90	0.2497E-01	90-180	0.1069E-01
45-60.00	0.2269E 00	-7.5 TO 82.5	0.1424E-02	82.5-172.5	0.3082E-03	45	0- 90	0.1280E-01	90-180	0.3699E-02
60-75.00	0.2643E 00	-7.5 TO 82.5	0.2844E-03	82.5-172.5	0.6278E-05	60	0- 90	0.4046E-02	90-180	0.1821E-03
75-86.18	0.2105E 00	-7.5 TO 82.5	0.2576E-05	82.5-172.5	0.	75	0- 90	0.1049E-03	90-180	0.
0-15.00	0.4356E-01	-7.5 TO 97.5	0.5928E-02	82.5-187.5	0.4414E-02	0	0-105	0.3926E-01	90-195	0.3926E-01
15-30.00	0.1277E 00	-7.5 TO 97.5	0.4964E-02	82.5-187.5	0.2621E-02	15	0-105	0.3943E-01	90-195	0.2528E-01
30-45.00	0.2031E 00	-7.5 TO 97.5	0.3026E-02	82.5-187.5	0.1145E-02	30	0-105	0.2741E-01	90-195	0.1207E-01
45-60.00	0.2647E 00	-7.5 TO 97.5	0.1306E-02	82.5-187.5	0.2840E-03	45	0-105	0.1379E-01	90-195	0.4103E-02
60-75.00	0.3083E 00	-7.5 TO 97.5	0.2474E-03	82.5-187.5	0.5398E-05	60	0-105	0.4170E-02	90-195	0.1844E-03
75-86.18	0.2456E 00	-7.5 TO 97.5	0.2208E-05	82.5-187.5	0.	75	0-105	0.1049E-03	90-195	0.

r_2/r_1 = 0.80 d/r_1 = 3.000 $\cosh \mu_1$ = 1.5600 $\cosh \mu_2$ = 1.8000 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 85.59

0-15.00	0.6223E-02	-7.5 TO 7.5	0.8013E-02	82.5- 97.5	0.5989E-02	0	0- 15	0.6579E-02	90-105	0.6579E-02
15-30.00	0.1824E-01	-7.5 TO 7.5	0.7939E-02	82.5- 97.5	0.4233E-02	15	0- 15	0.8366E-02	90-105	0.5143E-02
30-45.00	0.2902E-01	-7.5 TO 7.5	0.5687E-02	82.5- 97.5	0.2221E-02	30	0- 15	0.7124E-02	90-105	0.2913E-02
45-60.00	0.3782E-01	-7.5 TO 7.5	0.2932E-02	82.5- 97.5	0.7724E-03	45	0- 15	0.4284E-02	90-105	0.1212E-02
60-75.00	0.4404E-01	-7.5 TO 7.5	0.8834E-03	82.5- 97.5	0.4153E-04	60	0- 15	0.1760E-02	90-105	0.1691E-03
75-86.18	0.3509E-01	-7.5 TO 7.5	0.5421E-04	82.5- 97.5	0.	75	0- 15	0.2238E-03	90-105	0.
0-15.00	0.1245E-01	-7.5 TO 22.5	0.7973E-02	82.5-112.5	0.5777E-02	0	0- 30	0.1316E-01	90-120	0.1316E-01
15-30.00	0.3649E-01	-7.5 TO 22.5	0.7853E-02	82.5-112.5	0.3919E-02	15	0- 30	0.1649E-01	90-120	0.9758E-02
30-45.00	0.5804E-01	-7.5 TO 22.5	0.5598E-02	82.5-112.5	0.1975E-02	30	0- 30	0.1387E-01	90-120	0.5293E-02
45-60.00	0.7564E-01	-7.5 TO 22.5	0.2873E-02	82.5-112.5	0.6429E-03	45	0- 30	0.8267E-02	90-120	0.2105E-02
60-75.00	0.8809E-01	-7.5 TO 22.5	0.8546E-03	82.5-112.5	0.2657E-04	60	0- 30	0.3350E-02	90-120	0.2146E-03
75-86.18	0.7018E-01	-7.5 TO 22.5	0.4930E-04	82.5-112.5	0.	75	0- 30	0.3905E-03	90-120	0.
0-15.00	0.1667E-01	-7.5 TO 37.5	0.7882E-02	82.5-127.5	0.5585E-02	0	0- 45	0.1974E-01	90-135	0.1974E-01
15-30.00	0.5473E-01	-7.5 TO 37.5	0.7665E-02	82.5-127.5	0.3647E-02	15	0- 45	0.2416E-01	90-135	0.1394E-01
30-45.00	0.8706E-01	-7.5 TO 37.5	0.5405E-02	82.5-127.5	0.1772E-02	30	0- 45	0.1995E-01	90-135	0.7274E-02
45-60.00	0.1135E 00	-7.5 TO 37.5	0.2745E-02	82.5-127.5	0.5418E-03	45	0- 45	0.1172E-01	90-135	0.2778E-02
60-75.00	0.1321E 00	-7.5 TO 37.5	0.7935E-03	82.5-127.5	0.1900E-04	60	0- 45	0.4650E-02	90-135	0.2281E-03
75-86.18	0.1053E 00	-7.5 TO 37.5	0.4036E-04	82.5-127.5	0.	75	0- 45	0.4716E-03	90-135	0.
0-15.00	0.2489E-01	-7.5 TO 52.5	0.7748E-02	82.5-142.5	0.5417E-02	0	0- 60	0.2632E-01	90-150	0.2632E-01
15-30.00	0.7297E-01	-7.5 TO 52.5	0.7397E-02	82.5-142.5	0.3418E-02	15	0- 60	0.3124E-01	90-150	0.1781E-01
30-45.00	0.1161E 00	-7.5 TO 52.5	0.5135E-02	82.5-142.5	0.1608E-02	30	0- 60	0.2520E-01	90-150	0.8983E-02
45-60.00	0.1513E 00	-7.5 TO 52.5	0.2568E-02	82.5-142.5	0.4650E-03	45	0- 60	0.1455E-01	90-150	0.3311E-02
60-75.00	0.1762E 00	-7.5 TO 52.5	0.7120E-03	82.5-142.5	0.1433E-04	60	0- 60	0.5608E-02	90-150	0.2320E-03
75-86.18	0.1404E 00	-7.5 TO 52.5	0.3157E-04	82.5-142.5	0.	75	0- 60	0.4860E-03	90-150	0.
0-15.00	0.3111E-01	-7.5 TO 67.5	0.7582E-02	82.5-157.5	0.5274E-02	0	0- 75	0.3289E-01	90-165	0.3289E-01
15-30.00	0.9122E-01	-7.5 TO 67.5	0.7074E-02	82.5-157.5	0.3229E-02	15	0- 75	0.3766E-01	90-165	0.2147E-01
30-45.00	0.1451E 00	-7.5 TO 67.5	0.4821E-02	82.5-157.5	0.1477E-02	30	0- 75	0.2959E-01	90-165	0.1052E-01
45-60.00	0.1891E 00	-7.5 TO 67.5	0.2367E-02	82.5-157.5	0.4076E-03	45	0- 75	0.1674E-01	90-165	0.3765E-02
60-75.00	0.2202E 00	-7.5 TO 67.5	0.6238E-03	82.5-157.5	0.1149E-04	60	0- 75	0.6240E-02	90-165	0.2347E-03
75-86.18	0.1755E 00	-7.5 TO 67.5	0.2531E-04	82.5-157.5	0.	75	0- 75	0.4860E-03	90-165	0.
0-15.00	0.3734E-01	-7.5 TO 82.5	0.7393E-02	82.5-172.5	0.5157E-02	0	0- 90	0.3947E-01	90-180	0.3947E-01
15-30.00	0.1095E 00	-7.5 TO 82.5	0.6724E-02	82.5-172.5	0.3079E-02	15	0- 90	0.4341E-01	90-180	0.2502E-01
30-45.00	0.1741E 00	-7.5 TO 82.5	0.4491E-02	82.5-172.5	0.1376E-02	30	0- 90	0.3318E-01	90-180	0.1199E-01
45-60.00	0.2269E 00	-7.5 TO 82.5	0.2160E-02	82.5-172.5	0.3647E-03	45	0- 90	0.1839E-01	90-180	0.4184E-02
60-75.00	0.2643E 00	-7.5 TO 82.5	0.5400E-03	82.5-172.5	0.9599E-05	60	0- 90	0.6605E-02	90-180	0.2371E-03
75-86.18	0.2105E 00	-7.5 TO 82.5	0.2109E-04	82.5-172.5	0.	75	0- 90	0.4860E-03	90-180	0.
0-15.00	0.4356E-01	-7.5 TO 97.5	0.7192E-02	82.5-187.5	0.5067E-02	0	0-105	0.4605E-01	90-195	0.4605E-01
15-30.00	0.1277E 00	-7.5 TO 97.5	0.6368E-02	82.5-187.5	0.2965E-02	15	0-105	0.4856E-01	90-195	0.2857E-01
30-45.00	0.2031E 00	-7.5 TO 97.5	0.4167E-02	82.5-187.5	0.1300E-02	30	0-105	0.3609E-01	90-195	0.1345E-01
45-60.00	0.2647E 00	-7.5 TO 97.5	0.1961E-02	82.5-187.5	0.3329E-03	45	0-105	0.1960E-01	90-195	0.4602E-02
60-75.00	0.3083E 00	-7.5 TO 97.5	0.4688E-03	82.5-187.5	0.8244E-05	60	0-105	0.6774E-02	90-195	0.2394E-03
75-86.18	0.2456E 00	-7.5 TO 97.5	0.1808E-04	82.5-187.5	0.	75	0-105	0.4860E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(1) Continued. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.5600$ $\cosh \mu_2 = 1.8000$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 69.72$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.6223E-02	-7.5 TO 7.5	0.8347E-02	82.5- 97.5	0.6077E-02	0	0- 15	0.6667E-02	90-105	0.6667E-02
15-30.00	0.1824E-01	-7.5 TO 7.5	0.8697E-02	82.5- 97.5	0.4318E-02	15	0- 15	0.8860E-02	90-105	0.5205E-02
30-45.00	0.2902E-01	-7.5 TO 7.5	0.6603E-02	82.5- 97.5	0.2291E-02	30	0- 15	0.8024E-02	90-105	0.2958E-02
45-60.00	0.3782E-01	-7.5 TO 7.5	0.3619E-02	82.5- 97.5	0.8132E-03	45	0- 15	0.5129E-02	90-105	0.1242E-02
60-75.00	0.4404E-01	-7.5 TO 7.5	0.1211E-02	82.5- 97.5	0.4833E-04	60	0- 15	0.2266E-02	90-105	0.1786E-03
75-86.18	0.3509E-01	-7.5 TO 7.5	0.1171E-03	82.5- 97.5	0.	75	0- 15	0.3837E-03	90-105	0.
0-15.00	0.1245E-01	-7.5 TO 22.5	0.8300E-02	82.5-112.5	0.5849E-02	0	0- 30	0.1333E-01	90-120	0.1333E-01
15-30.00	0.3649E-01	-7.5 TO 22.5	0.8592E-02	82.5-112.5	0.3977E-02	15	0- 30	0.1743E-01	90-120	0.9848E-02
30-45.00	0.5804E-01	-7.5 TO 22.5	0.6488E-02	82.5-112.5	0.2020E-02	30	0- 30	0.1558E-01	90-120	0.5347E-02
45-60.00	0.7564E-01	-7.5 TO 22.5	0.3538E-02	82.5-112.5	0.6680E-03	45	0- 30	0.9858E-02	90-120	0.2139E-02
60-75.00	0.8809E-01	-7.5 TO 22.5	0.1170E-02	82.5-112.5	0.3034E-04	60	0- 30	0.4297E-02	90-120	0.2250E-03
75-86.18	0.7018E-01	-7.5 TO 22.5	0.1074E-03	82.5-112.5	0.	75	0- 30	0.6797E-03	90-120	0.
0-15.00	0.1867E-01	-7.5 TO 37.5	0.8196E-02	82.5-127.5	0.5645E-02	0	0- 45	0.2000E-01	90-135	0.2000E-01
15-30.00	0.5473E-01	-7.5 TO 37.5	0.8363E-02	82.5-127.5	0.3688E-02	15	0- 45	0.2548E-01	90-135	0.1404E-01
30-45.00	0.8706E-01	-7.5 TO 37.5	0.6240E-02	82.5-127.5	0.1803E-02	30	0- 45	0.2230E-01	90-135	0.7329E-02
45-60.00	0.1135E 00	-7.5 TO 37.5	0.3366E-02	82.5-127.5	0.5588E-03	45	0- 45	0.1390E-01	90-135	0.2811E-02
60-75.00	0.1321E 00	-7.5 TO 37.5	0.1084E-02	82.5-127.5	0.2153E-04	60	0- 45	0.5930E-02	90-135	0.2385E-03
75-86.18	0.1053E 00	-7.5 TO 37.5	0.8985E-04	82.5-127.5	0.	75	0- 45	0.8408E-03	90-135	0.
0-15.00	0.2489E-01	-7.5 TO 52.5	0.8043E-02	82.5-142.5	0.5467E-02	0	0- 60	0.2667E-01	90-150	0.2667E-01
15-30.00	0.7297E-01	-7.5 TO 52.5	0.8036E-02	82.5-142.5	0.3449E-02	15	0- 60	0.3284E-01	90-150	0.1791E-01
30-45.00	0.1161E 00	-7.5 TO 52.5	0.5896E-02	82.5-142.5	0.1631E-02	30	0- 60	0.2800E-01	90-150	0.9037E-02
45-60.00	0.1513E 00	-7.5 TO 52.5	0.3130E-02	82.5-142.5	0.4777E-03	45	0- 60	0.1712E-01	90-150	0.3345E-02
60-75.00	0.1762E 00	-7.5 TO 52.5	0.9691E-03	82.5-142.5	0.1622E-04	60	0- 60	0.7102E-02	90-150	0.2424E-03
75-86.18	0.1404E 00	-7.5 TO 52.5	0.7159E-04	82.5-142.5	0.	75	0- 60	0.8854E-03	90-150	0.
0-15.00	0.3111E-01	-7.5 TO 67.5	0.7854E-02	82.5-157.5	0.5316E-02	0	0- 75	0.3333E-01	90-165	0.3333E-01
15-30.00	0.9122E-01	-7.5 TO 67.5	0.7648E-02	82.5-157.5	0.3254E-02	15	0- 75	0.3965E-01	90-165	0.2157E-01
30-45.00	0.1451E 00	-7.5 TO 67.5	0.5498E-02	82.5-157.5	0.1496E-02	30	0- 75	0.3264E-01	90-165	0.1058E-01
45-60.00	0.1891E 00	-7.5 TO 67.5	0.2863E-02	82.5-157.5	0.4178E-03	45	0- 75	0.1954E-01	90-165	0.3799E-02
60-75.00	0.2202E 00	-7.5 TO 67.5	0.8460E-03	82.5-157.5	0.1301E-04	60	0- 75	0.7866E-02	90-165	0.2451E-03
75-86.18	0.1755E 00	-7.5 TO 67.5	0.5761E-04	82.5-157.5	0.	75	0- 75	0.8869E-03	90-165	0.
0-15.00	0.3734E-01	-7.5 TO 82.5	0.7642E-02	82.5-172.5	0.5194E-02	0	0- 90	0.4000E-01	90-180	0.4000E-01
15-30.00	0.1095E 00	-7.5 TO 82.5	0.7232E-02	82.5-172.5	0.3100E-02	15	0- 90	0.4532E-01	90-180	0.2512E-01
30-45.00	0.1741E 00	-7.5 TO 82.5	0.5085E-02	82.5-172.5	0.1391E-02	30	0- 90	0.3636E-01	90-180	0.1204E-01
45-60.00	0.2269E 00	-7.5 TO 82.5	0.2592E-02	82.5-172.5	0.3732E-03	45	0- 90	0.2128E-01	90-180	0.4217E-02
60-75.00	0.2643E 00	-7.5 TO 82.5	0.7301E-03	82.5-172.5	0.1086E-04	60	0- 90	0.8253E-02	90-180	0.2475E-03
75-86.18	0.2105E 00	-7.5 TO 82.5	0.4801E-04	82.5-172.5	0.	75	0- 90	0.8869E-03	90-180	0.
0-15.00	0.4356E-01	-7.5 TO 97.5	0.7418E-02	82.5-187.5	0.5101E-02	0	0-105	0.4667E-01	90-195	0.4667E-01
15-30.00	0.1277E 00	-7.5 TO 97.5	0.6815E-02	82.5-187.5	0.2983E-02	15	0-105	0.5053E-01	90-195	0.2867E-01
30-45.00	0.2031E 00	-7.5 TO 97.5	0.4685E-02	82.5-187.5	0.1313E-02	30	0-105	0.3931E-01	90-195	0.1350E-01
45-60.00	0.2647E 00	-7.5 TO 97.5	0.2338E-02	82.5-187.5	0.3402E-03	45	0-105	0.2252E-01	90-195	0.4636E-02
60-75.00	0.3083E 00	-7.5 TO 97.5	0.6327E-03	82.5-187.5	0.9325E-05	60	0-105	0.8431E-02	90-195	0.2498E-03
75-86.18	0.2456E 00	-7.5 TO 97.5	0.4115E-04	82.5-187.5	0.	75	0-105	0.8869E-03	90-195	0.

$r_2/r_1 = 0.80$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.5600$ $\cosh \mu_2 = 1.8000$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 56.25$

0-15.00	0.6223E-02	-7.5 TO 7.5	0.8347E-02	82.5- 97.5	0.6077E-02	0	0- 15	0.6667E-02	90-105	0.6667E-02
15-30.00	0.1824E-01	-7.5 TO 7.5	0.8730E-02	82.5- 97.5	0.4318E-02	15	0- 15	0.8860E-02	90-105	0.5205E-02
30-45.00	0.2902E-01	-7.5 TO 7.5	0.6760E-02	82.5- 97.5	0.2291E-02	30	0- 15	0.8107E-02	90-105	0.2958E-02
45-60.00	0.3782E-01	-7.5 TO 7.5	0.3824E-02	82.5- 97.5	0.8132E-03	45	0- 15	0.5329E-02	90-105	0.1242E-02
60-75.00	0.4404E-01	-7.5 TO 7.5	0.1340E-02	82.5- 97.5	0.4834E-04	60	0- 15	0.2445E-02	90-105	0.1786E-03
75-86.18	0.3509E-01	-7.5 TO 7.5	0.1508E-03	82.5- 97.5	0.	75	0- 15	0.4559E-03	90-105	0.
0-15.00	0.1245E-01	-7.5 TO 22.5	0.8300E-02	82.5-112.5	0.5849E-02	0	0- 30	0.1333E-01	90-120	0.1333E-01
15-30.00	0.3649E-01	-7.5 TO 22.5	0.8622E-02	82.5-112.5	0.3977E-02	15	0- 30	0.1743E-01	90-120	0.9848E-02
30-45.00	0.5804E-01	-7.5 TO 22.5	0.6635E-02	82.5-112.5	0.2020E-02	30	0- 30	0.1572E-01	90-120	0.5347E-02
45-60.00	0.7564E-01	-7.5 TO 22.5	0.3732E-02	82.5-112.5	0.6680E-03	45	0- 30	0.1021E-01	90-120	0.2139E-02
60-75.00	0.8809E-01	-7.5 TO 22.5	0.1292E-02	82.5-112.5	0.3035E-04	60	0- 30	0.4618E-02	90-120	0.2250E-03
75-86.18	0.7018E-01	-7.5 TO 22.5	0.1385E-03	82.5-112.5	0.	75	0- 30	0.8069E-03	90-120	0.
0-15.00	0.1867E-01	-7.5 TO 37.5	0.8196E-02	82.5-127.5	0.5645E-02	0	0- 45	0.2000E-01	90-135	0.2000E-01
15-30.00	0.5473E-01	-7.5 TO 37.5	0.8387E-02	82.5-127.5	0.3688E-02	15	0- 45	0.2548E-01	90-135	0.1404E-01
30-45.00	0.8706E-01	-7.5 TO 37.5	0.6368E-02	82.5-127.5	0.1803E-02	30	0- 45	0.2247E-01	90-135	0.7329E-02
45-60.00	0.1135E 00	-7.5 TO 37.5	0.3537E-02	82.5-127.5	0.5588E-03	45	0- 45	0.1434E-01	90-135	0.2811E-02
60-75.00	0.1321E 00	-7.5 TO 37.5	0.1192E-02	82.5-127.5	0.2153E-04	60	0- 45	0.6335E-02	90-135	0.2385E-03
75-86.18	0.1053E 00	-7.5 TO 37.5	0.1158E-03	82.5-127.5	0.	75	0- 45	0.9976E-03	90-135	0.
0-15.00	0.2489E-01	-7.5 TO 52.5	0.8043E-02	82.5-142.5	0.5467E-02	0	0- 60	0.2667E-01	90-150	0.2667E-01
15-30.00	0.7257E-01	-7.5 TO 52.5	0.8055E-02	82.5-142.5	0.3449E-02	15	0- 60	0.3284E-01	90-150	0.1791E-01
30-45.00	0.1161E 00	-7.5 TO 52.5	0.6002E-02	82.5-142.5	0.1631E-02	30	0- 60	0.2817E-01	90-150	0.9037E-02
45-60.00	0.1513E 00	-7.5 TO 52.5	0.3274E-02	82.5-142.5	0.4777E-03	45	0- 60	0.1759E-01	90-150	0.3345E-02
60-75.00	0.1762E 00	-7.5 TO 52.5	0.1060E-02	82.5-142.5	0.1622E-04	60	0- 60	0.7541E-02	90-150	0.2424E-03
75-86.18	0.1404E 00	-7.5 TO 52.5	0.9236E-04	82.5-142.5	0.	75	0- 60	0.1051E-02	90-150	0.
0-15.00	0.3111E-01	-7.5 TO 67.5	0.7854E-02	82.5-157.5	0.5316E-02	0	0- 75	0.3333E-01	90-165	0.3333E-01
15-30.00	0.9122E-01	-7.5 TO 67.5	0.7663E-02	82.5-157.5	0.3254E-02	15	0- 75	0.3945E-01	90-165	0.2157E-01
30-45.00	0.1451E 00	-7.5 TO 67.5	0.5584E-02	82.5-157.5	0.1496E-02	30	0- 75	0.3282E-01	90-165	0.1058E-01
45-60.00	0.1891E 00	-7.5 TO 67.5	0.2981E-02	82.5-157.5	0.4178E-03	45	0- 75	0.2001E-01	90-165	0.3799E-02
60-75.00	0.2202E 00	-7.5 TO 67.5	0.9210E-03	82.5-157.5	0.1301E-04	60	0- 75	0.8291E-02	90-165	0.2451E-03
75-86.18	0.1755E 00	-7.5 TO 67.5	0.7435E-04	82.5-157.5	0.	75	0- 75	0.1053E-02	90-165	0.
0-15.00	0.3734E-01	-7.5 TO 82.5	0.7642E-02	82.5-172.5	0.5194E-02	0	0- 90	0.4000E-01	90-180	0.4000E-01
15-30.00	0.1095E 00	-7.5 TO 82.5	0.7244E-02	82.5-172.5	0.3100E-02	15	0- 90	0.4532E-01	90-180	0.2512E-01
30-45.00	0.1741E 00	-7.5 TO 82.5	0.5156E-02	82.5-172.5	0.1391E-02	30	0- 90	0.3653E-01	90-180	0.1204E-01
45-60.00	0.2269E 00	-7.5 TO 82.5	0.2691E-02	82.5-172.5	0.3732E-03	45	0- 90	0.2176E-01	90-180	0.4217E-02
60-75.00	0.2643E 00	-7.5 TO 82.5	0.7928E-03	82.5-172.5	0.1086E-04	60	0- 90	0.8698E-02	90-180	0.2475E-03
75-86.18	0.2105E 00	-7.5 TO 82.5	0.6196E-04	82.5-172.5	0.	75	0- 90	0.1053E-02	90-180	0.
0-15.00	0.4356E-01	-7.5 TO 97.5	0.7418E-02	82.5-187.5	0.5101E-02	0	0-105	0.4667E-01	90-195	0.4667E-01
15-30.00	0.1277E 00	-7.5 TO 97.5	0.6826E-02	82.5-187.5	0.2983E-02	15	0-105	0.5053E-01	90-195	0.2867E-01
30-45.00	0.2031E 00	-7.5 TO 97.5	0.4747E-02	82.5-187.5	0.1313E-02	30	0-105	0.3949E-01	90-195	0.1350E-01
45-60.00	0.2647E 00	-7.5 TO 97.5	0.2423E-02	82.5-187.5	0.3402E-03	45	0-105	0.2300E-01	90-195	0.4636E-02
60-75.00	0.3083E 00	-7.5 TO 97.5	0.6865E-03	82.5-187.5	0.9327E-05	60	0-105	0.8876E-02	90-195	0.2498E-03
75-86.18	0.2456E 00	-7.5 TO 97.5	0.5311E-04	82.5-187.5	0.	75	0-105	0.1053E-02	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(i) Continued. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.5600$ $\cosh \mu_2 = 1.8000$ $\alpha_{2,max} = 93.82$ $\theta_{2,min} = 53.13$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.6223E-02	-7.5 TO 7.5	0.8347E-02	82.5- 97.5	0.6077E-02	0	0- 15	0.6667E-02	90-105	0.6667E-02
15-30.00	0.1824E-01	-7.5 TO 7.5	0.8730E-02	82.5- 97.5	0.4318E-02	15	0- 15	0.8860E-02	90-105	0.5205E-02
30-45.00	0.2902E-01	-7.5 TO 7.5	0.6760E-02	82.5- 97.5	0.2291E-02	30	0- 15	0.8107E-02	90-105	0.2958E-02
45-60.00	0.3782E-01	-7.5 TO 7.5	0.3824E-02	82.5- 97.5	0.8132E-03	45	0- 15	0.5329E-02	90-105	0.1242E-02
60-75.00	0.4404E-01	-7.5 TO 7.5	0.1343E-02	82.5- 97.5	0.4834E-04	60	0- 15	0.2446E-02	90-105	0.1786E-03
75-86.18	0.3509E-01	-7.5 TO 7.5	0.1520E-03	82.5- 97.5	0.	75	0- 15	0.4581E-03	90-105	0.
0-15.00	0.1245E-01	-7.5 TO 22.5	0.8300E-02	82.5-112.5	0.5849E-02	0	0- 30	0.1333E-01	90-120	0.1333E-01
15-30.00	0.3649E-01	-7.5 TO 22.5	0.8622E-02	82.5-112.5	0.3977E-02	15	0- 30	0.1743E-01	90-120	0.9848E-02
30-45.00	0.5804E-01	-7.5 TO 22.5	0.6635E-02	82.5-112.5	0.2020E-02	30	0- 30	0.1572E-01	90-120	0.5347E-02
45-60.00	0.7564E-01	-7.5 TO 22.5	0.3732E-02	82.5-112.5	0.6680E-03	45	0- 30	0.1021E-01	90-120	0.2139E-02
60-75.00	0.8809E-01	-7.5 TO 22.5	0.1294E-02	82.5-112.5	0.3035E-04	60	0- 30	0.4619E-02	90-120	0.2250E-03
75-86.18	0.7018E-01	-7.5 TO 22.5	0.1395E-03	82.5-112.5	0.	75	0- 30	0.8098E-03	90-120	0.
0-15.00	0.1867E-01	-7.5 TO 37.5	0.8196E-02	82.5-127.5	0.5645E-02	0	0- 45	0.2000E-01	90-135	0.2000E-01
15-30.00	0.5473E-01	-7.5 TO 37.5	0.8387E-02	82.5-127.5	0.3688E-02	15	0- 45	0.2548E-01	90-135	0.1404E-01
30-45.00	0.8706E-01	-7.5 TO 37.5	0.6368E-02	82.5-127.5	0.1803E-02	30	0- 45	0.2247E-01	90-135	0.7329E-02
45-60.00	0.1135E 00	-7.5 TO 37.5	0.3537E-02	82.5-127.5	0.5588E-03	45	0- 45	0.1434E-01	90-135	0.2811E-02
60-75.00	0.1321E 00	-7.5 TO 37.5	0.1193E-02	82.5-127.5	0.2153E-04	60	0- 45	0.6336E-02	90-135	0.2385E-03
75-86.18	0.1053E 00	-7.5 TO 37.5	0.1165E-03	82.5-127.5	0.	75	0- 45	0.1000E-02	90-135	0.
0-15.00	0.2489E-01	-7.5 TO 52.5	0.8043E-02	82.5-142.5	0.5467E-02	0	0- 60	0.2667E-01	90-150	0.2667E-01
15-30.00	0.7297E-01	-7.5 TO 52.5	0.8055E-02	82.5-142.5	0.3449E-02	15	0- 60	0.3284E-01	90-150	0.1791E-01
30-45.00	0.1161E 00	-7.5 TO 52.5	0.6002E-02	82.5-142.5	0.1631E-02	30	0- 60	0.2817E-01	90-150	0.9037E-02
45-60.00	0.1513E 00	-7.5 TO 52.5	0.3274E-02	82.5-142.5	0.4777E-03	45	0- 60	0.1759E-01	90-150	0.3345E-02
60-75.00	0.1762E 00	-7.5 TO 52.5	0.1061E-02	82.5-142.5	0.1622E-04	60	0- 60	0.7542E-02	90-150	0.2424E-03
75-86.18	0.1404E 00	-7.5 TO 52.5	0.9290E-04	82.5-142.5	0.	75	0- 60	0.1054E-02	90-150	0.
0-15.00	0.3111E-01	-7.5 TO 67.5	0.7854E-02	82.5-157.5	0.5316E-02	0	0- 75	0.3333E-01	90-165	0.3333E-01
15-30.00	0.9122E-01	-7.5 TO 67.5	0.7663E-02	82.5-157.5	0.3254E-02	15	0- 75	0.3945E-01	90-165	0.2157E-01
30-45.00	0.1451E 00	-7.5 TO 67.5	0.5584E-02	82.5-157.5	0.1496E-02	30	0- 75	0.3282E-01	90-165	0.1058E-01
45-60.00	0.1891E 00	-7.5 TO 67.5	0.2982E-02	82.5-157.5	0.4178E-03	45	0- 75	0.2001E-01	90-165	0.3799E-02
60-75.00	0.2202E 00	-7.5 TO 67.5	0.9217E-03	82.5-157.5	0.1301E-04	60	0- 75	0.8292E-02	90-165	0.2451E-03
75-86.18	0.1755E 00	-7.5 TO 67.5	0.7478E-04	82.5-157.5	0.	75	0- 75	0.1056E-02	90-165	0.
0-15.00	0.3734E-01	-7.5 TO 82.5	0.7642E-02	82.5-172.5	0.5194E-02	0	0- 90	0.4000E-01	90-180	0.4000E-01
15-30.00	0.1095E 00	-7.5 TO 82.5	0.7244E-02	82.5-172.5	0.3100E-02	15	0- 90	0.4532E-01	90-180	0.2512E-01
30-45.00	0.1741E 00	-7.5 TO 82.5	0.5156E-02	82.5-172.5	0.1391E-02	30	0- 90	0.3653E-01	90-180	0.1204E-01
45-60.00	0.2269E 00	-7.5 TO 82.5	0.2691E-02	82.5-172.5	0.3732E-03	45	0- 90	0.2176E-01	90-180	0.4217E-02
60-75.00	0.2643E 00	-7.5 TO 82.5	0.7935E-03	82.5-172.5	0.1086E-04	60	0- 90	0.8699E-02	90-180	0.2475E-03
75-86.18	0.2105E 00	-7.5 TO 82.5	0.6232E-04	82.5-172.5	0.	75	0- 90	0.1056E-02	90-180	0.
0-15.00	0.4356E-01	-7.5 TO 97.5	0.7418E-02	82.5-187.5	0.5101E-02	0	0-105	0.4667E-01	90-195	0.4667E-01
15-30.00	0.1277E 00	-7.5 TO 97.5	0.6826E-02	82.5-187.5	0.2983E-02	15	0-105	0.5053E-01	90-195	0.2867E-01
30-45.00	0.2031E 00	-7.5 TO 97.5	0.4747E-02	82.5-187.5	0.1313E-02	30	0-105	0.3949E-01	90-195	0.1350E-01
45-60.00	0.2647E 00	-7.5 TO 97.5	0.2423E-02	82.5-187.5	0.3402E-03	45	0-105	0.2300E-01	90-195	0.4636E-02
60-75.00	0.3083E 00	-7.5 TO 97.5	0.6870E-03	82.5-187.5	0.9327E-05	60	0-105	0.8878E-02	90-195	0.2498E-03
75-86.18	0.2456E 00	-7.5 TO 97.5	0.5342E-04	82.5-187.5	0.	75	0-105	0.1056E-02	90-195	0.

$r_2/r_1 = 0.\ldots$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5\ldots$ $\cosh \mu_2 = 3.0800$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 159.11$

0-15.00	0.1642E-02	-7.5 TO 7.5	0.1676E-03	82.5- 97.5	0.1634E-03	0	0- 15	0.1708E-03	90-105	0.1708E-03
15-30.00	0.4615E-02	-7.5 TO 7.5	0.1453E-03	82.5- 97.5	0.1370E-03	15	0- 15	0.1623E-03	90-105	0.1553E-03
30-45.00	0.7660E-02	-7.5 TO 7.5	0.1053E-03	82.5- 97.5	0.9587E-04	30	0- 15	0.1286E-03	90-105	0.1181E-03
45-60.00	0.9583E-02	-7.5 TO 7.5	0.6120E-04	82.5- 97.5	0.5335E-04	45	0- 15	0.8384E-04	90-105	0.7378E-04
60-75.00	0.1163E-01	-7.5 TO 7.5	0.2247E-04	82.5- 97.5	0.1730E-04	60	0- 15	0.4093E-04	90-105	0.3357E-04
75-87.71	0.1055E-01	-7.5 TO 7.5	0.6831E-06	82.5- 97.5	0.1800E-06	75	0- 15	0.6120E-05	90-105	0.1850E-05
0-15.00	0.3285E-02	-7.5 TO 22.5	0.1676E-03	82.5-112.5	0.1628E-03	0	0- 30	0.3416E-03	90-120	0.3416E-03
15-30.00	0.9631E-02	-7.5 TO 22.5	0.1451E-03	82.5-112.5	0.1360E-03	15	0- 30	0.3241E-03	90-120	0.3092E-03
30-45.00	0.1532E-01	-7.5 TO 22.5	0.1051E-03	82.5-112.5	0.9471E-04	30	0- 30	0.2565E-03	90-120	0.2339E-03
45-60.00	0.1917E-01	-7.5 TO 22.5	0.6105E-04	82.5-112.5	0.5240E-04	45	0- 30	0.1670E-03	90-120	0.1454E-03
60-75.00	0.2325E-01	-7.5 TO 22.5	0.2238E-04	82.5-112.5	0.1669E-04	60	0- 30	0.8139E-04	90-120	0.6561E-04
75-87.71	0.2110E-01	-7.5 TO 22.5	0.6634E-06	82.5-112.5	0.1450E-06	75	0- 30	0.1196E-04	90-120	0.2842E-05
0-15.00	0.4527E-02	-7.5 TO 37.5	0.1674E-03	82.5-127.5	0.1623E-03	0	0- 45	0.5124E-03	90-135	0.5124E-03
15-30.00	0.1445E-01	-7.5 TO 37.5	0.1448E-03	82.5-127.5	0.1350E-03	15	0- 45	0.4852E-03	90-135	0.4617E-03
30-45.00	0.2288E-01	-7.5 TO 37.5	0.1047E-03	82.5-127.5	0.9362E-04	30	0- 45	0.3832E-03	90-135	0.3478E-03
45-60.00	0.2955E-01	-7.5 TO 37.5	0.6073E-04	82.5-127.5	0.5151E-04	45	0- 45	0.2490E-03	90-135	0.2153E-03
60-75.00	0.3488E-01	-7.5 TO 37.5	0.2216E-04	82.5-127.5	0.1611E-04	60	0- 45	0.1210E-03	90-135	0.9634E-04
75-87.71	0.3164E-01	-7.5 TO 37.5	0.6213E-06	82.5-127.5	0.1139E-06	75	0- 45	0.1727E-04	90-135	0.3257E-05
0-15.00	0.6570E-02	-7.5 TO 52.5	0.1671E-03	82.5-142.5	0.1618E-03	0	0- 60	0.6832E-03	90-150	0.6832E-03
15-30.00	0.1926E-01	-7.5 TO 52.5	0.1443E-03	82.5-142.5	0.1341E-03	15	0- 60	0.6450E-03	90-150	0.6130E-03
30-45.00	0.3064E-01	-7.5 TO 52.5	0.1042E-03	82.5-142.5	0.9263E-04	30	0- 60	0.5081E-03	90-150	0.4601E-03
45-60.00	0.3993E-01	-7.5 TO 52.5	0.6025E-04	82.5-142.5	0.5071E-04	45	0- 60	0.3293E-03	90-150	0.2836E-03
60-75.00	0.4650E-01	-7.5 TO 52.5	0.2184E-04	82.5-142.5	0.1561E-04	60	0- 60	0.1593E-03	90-150	0.1260E-03
75-87.71	0.4219E-01	-7.5 TO 52.5	0.5683E-06	82.5-142.5	0.9138E-07	75	0- 60	0.2185E-04	90-150	0.3490E-05
0-15.00	0.8212E-02	-7.5 TO 67.5	0.1668E-03	82.5-157.5	0.1614E-03	0	0- 75	0.8540E-03	90-165	0.8540E-03
15-30.00	0.2408E-01	-7.5 TO 67.5	0.1437E-03	82.5-157.5	0.1333E-03	15	0- 75	0.8035E-03	90-165	0.7636E-03
30-45.00	0.3830E-01	-7.5 TO 67.5	0.1034E-03	82.5-157.5	0.9177E-04	30	0- 75	0.6309E-03	90-165	0.5712E-03
45-60.00	0.4991E-01	-7.5 TO 67.5	0.5964E-04	82.5-157.5	0.5001E-04	45	0- 75	0.4076E-03	90-165	0.3509E-03
60-75.00	0.5813E-01	-7.5 TO 67.5	0.2143E-04	82.5-157.5	0.1517E-04	60	0- 75	0.1961E-03	90-165	0.1550E-03
75-87.71	0.5274E-01	-7.5 TO 67.5	0.5194E-06	82.5-157.5	0.7615E-07	75	0- 75	0.2556E-04	90-165	0.3658E-05
0-15.00	0.9855E-02	-7.5 TO 82.5	0.1664E-03	82.5-172.5	0.1611E-03	0	0- 90	0.1025E-02	90-180	0.1025E-02
15-30.00	0.2889E-01	-7.5 TO 82.5	0.1429E-03	82.5-172.5	0.1327E-03	15	0- 90	0.9604E-03	90-180	0.9139E-03
30-45.00	0.4596E-01	-7.5 TO 82.5	0.1026E-03	82.5-172.5	0.9106E-04	30	0- 90	0.7514E-03	90-180	0.6818E-03
45-60.00	0.5990E-01	-7.5 TO 82.5	0.5891E-04	82.5-172.5	0.4943E-04	45	0- 90	0.4836E-03	90-180	0.4177E-03
60-75.00	0.6975E-01	-7.5 TO 82.5	0.2096E-04	82.5-172.5	0.1482E-04	60	0- 90	0.2313E-03	90-180	0.1835E-03
75-87.71	0.6329E-01	-7.5 TO 82.5	0.4750E-06	82.5-172.5	0.6547E-07	75	0- 90	0.2834E-04	90-180	0.3804E-05
0-15.00	0.1150E-01	-7.5 TO 97.5	0.1660E-03	82.5-187.5	0.1608E-03	0	0-105	0.1196E-02	90-195	0.1196E-02
15-30.00	0.3371E-01	-7.5 TO 97.5	0.1421E-03	82.5-187.5	0.1322E-03	15	0-105	0.1116E-02	90-195	0.1064E-02
30-45.00	0.5362E-01	-7.5 TO 97.5	0.1016E-03	82.5-187.5	0.9051E-04	30	0-105	0.8695E-03	90-195	0.7924E-03
45-60.00	0.6988E-01	-7.5 TO 97.5	0.5812E-04	82.5-187.5	0.4898E-04	45	0-105	0.5574E-03	90-195	0.4844E-03
60-75.00	0.8138E-01	-7.5 TO 97.5	0.2043E-04	82.5-187.5	0.1454E-04	60	0-105	0.2648E-03	90-195	0.2121E-03
75-87.71	0.7383E-01	-7.5 TO 97.5	0.4328E-06	82.5-187.5	0.5772E-07	75	0-105	0.3019E-04	90-195	0.3949E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(1) Continued. Radius ratio, r_2/r_1, 0.80

r_2/r_1 = 0.80 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5360 $\cosh \mu_2$ = 3.0800 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 138.86

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1642E-02	-7.5 TO 7.5	0.6043E-03	82.5- 97.5	0.5750E-03	0	0- 15	0.6007E-03	90-105	0.6007E-03
15-30.00	0.4815E-02	-7.5 TO 7.5	0.5412E-03	82.5- 97.5	0.4834E-03	15	0- 15	0.5924E-03	90-105	0.5445E-03
30-45.00	0.7660E-02	-7.5 TO 7.5	0.4068E-03	82.5- 97.5	0.3397E-03	30	0- 15	0.4873E-03	90-105	0.4135E-03
45-60.00	0.9583E-02	-7.5 TO 7.5	0.2470E-03	82.5- 97.5	0.1902E-03	45	0- 15	0.3304E-03	90-105	0.2585E-03
60-75.00	0.1163E-01	-7.5 TO 7.5	0.1003E-03	82.5- 97.5	0.6248E-04	60	0- 15	0.1709E-03	90-105	0.1176E-03
75-87.71	0.1055E-01	-7.5 TO 7.5	0.7674E-05	82.5- 97.5	0.7072E-06	75	0- 15	0.3711E-04	90-105	0.5964E-05
0-15.00	0.3289E-02	-7.5 TO 22.5	0.6038E-03	82.5-112.5	0.5713E-03	0	0- 30	0.1201E-02	90-120	0.1201E-02
15-30.00	0.9631E-02	-7.5 TO 22.5	0.5402E-03	82.5-112.5	0.4764E-03	15	0- 30	0.1182E-02	90-120	0.1079E-02
30-45.00	0.1532E-01	-7.5 TO 22.5	0.4056E-03	82.5-112.5	0.3319E-03	30	0- 30	0.9699E-03	90-120	0.8120E-03
45-60.00	0.1917E-01	-7.5 TO 22.5	0.2459E-03	82.5-112.5	0.1838E-03	45	0- 30	0.6560E-03	90-120	0.5029E-03
60-75.00	0.2325E-01	-7.5 TO 22.5	0.9961E-04	82.5-112.5	0.5836E-04	60	0- 30	0.3382E-03	90-120	0.2251E-03
75-87.71	0.2110E-01	-7.5 TO 22.5	0.7461E-05	82.5-112.5	0.4838E-06	75	0- 30	0.7202E-04	90-120	0.7325E-05
0-15.00	0.4927E-02	-7.5 TO 37.5	0.6027E-03	82.5-127.5	0.5678E-03	0	0- 45	0.1802E-02	90-135	0.1802E-02
15-30.00	0.1445E-01	-7.5 TO 37.5	0.5378E-03	82.5-127.5	0.4698E-03	15	0- 45	0.1765E-02	90-135	0.1604E-02
30-45.00	0.2298E-01	-7.5 TO 37.5	0.4028E-03	82.5-127.5	0.3246E-03	30	0- 45	0.1443E-02	90-135	0.1197E-02
45-60.00	0.2595E-01	-7.5 TO 37.5	0.2435E-03	82.5-127.5	0.1779E-03	45	0- 45	0.9726E-03	90-135	0.7351E-03
60-75.00	0.3488E-01	-7.5 TO 37.5	0.9797E-04	82.5-127.5	0.5467E-04	60	0- 45	0.4986E-03	90-135	0.3241E-03
75-87.71	0.3164E-01	-7.5 TO 37.5	0.7005E-05	82.5-127.5	0.3415E-06	75	0- 45	0.1028E-03	90-135	0.7740E-05
0-15.00	0.6572E-02	-7.5 TO 52.5	0.6009E-03	82.5-142.5	0.5646E-03	0	0- 60	0.2403E-02	90-150	0.2403E-02
15-30.00	0.1926E-01	-7.5 TO 52.5	0.5343E-03	82.5-142.5	0.4638E-03	15	0- 60	0.2341E-02	90-150	0.2122E-02
30-45.00	0.3064E-01	-7.5 TO 52.5	0.3986E-03	82.5-142.5	0.3180E-03	30	0- 60	0.1904E-02	90-150	0.1572E-02
45-60.00	0.3893E-01	-7.5 TO 52.5	0.2399E-03	82.5-142.5	0.1726E-03	45	0- 60	0.1277E-02	90-150	0.9578E-03
60-75.00	0.4650E-01	-7.5 TO 52.5	0.9553E-04	82.5-142.5	0.5147E-04	60	0- 60	0.6498E-03	90-150	0.4164E-03
75-87.71	0.4219E-01	-7.5 TO 52.5	0.6303E-05	82.5-142.5	0.2621E-06	75	0- 60	0.1281E-03	90-150	0.7972E-05
0-15.00	0.8212E-02	-7.5 TO 67.5	0.5986E-03	82.5-157.5	0.5618E-03	0	0- 75	0.3004E-02	90-165	0.3004E-02
15-30.00	0.2408E-01	-7.5 TO 67.5	0.5297E-03	82.5-157.5	0.4587E-03	15	0- 75	0.2907E-02	90-165	0.2635E-02
30-45.00	0.3830E-01	-7.5 TO 67.5	0.3933E-03	82.5-157.5	0.3123E-03	30	0- 75	0.2350E-02	90-165	0.1940E-02
45-60.00	0.4866E-01	-7.5 TO 67.5	0.2353E-03	82.5-157.5	0.1680E-03	45	0- 75	0.1566E-02	90-165	0.1174E-02
60-75.00	0.5813E-01	-7.5 TO 67.5	0.9246E-04	82.5-157.5	0.4876E-04	60	0- 75	0.7900E-03	90-165	0.5042E-03
75-87.71	0.5274E-01	-7.5 TO 67.5	0.5607E-05	82.5-157.5	0.2127E-06	75	0- 75	0.1470E-03	90-165	0.8141E-05
0-15.00	0.9855E-02	-7.5 TO 82.5	0.5959E-03	82.5-172.5	0.5595E-03	0	0- 90	0.3604E-02	90-180	0.3604E-02
15-30.00	0.2889E-01	-7.5 TO 82.5	0.5244E-03	82.5-172.5	0.4544E-03	15	0- 90	0.3462E-02	90-180	0.3145E-02
30-45.00	0.4596E-01	-7.5 TO 82.5	0.3871E-03	82.5-172.5	0.3077E-03	30	0- 90	0.2780E-02	90-180	0.2304E-02
45-60.00	0.5990E-01	-7.5 TO 82.5	0.2301E-03	82.5-172.5	0.1643E-03	45	0- 90	0.1840E-02	90-180	0.1387E-02
60-75.00	0.6975E-01	-7.5 TO 82.5	0.8894E-04	82.5-172.5	0.4655E-04	60	0- 90	0.9188E-03	90-180	0.5898E-03
75-87.71	0.6329E-01	-7.5 TO 82.5	0.4886E-05	82.5-172.5	0.1793E-06	75	0- 90	0.1593E-03	90-180	0.8287E-05
0-15.00	0.1150E-01	-7.5 TO 97.5	0.5929E-03	82.5-187.5	0.5578E-03	0	0-105	0.4205E-02	90-195	0.4205E-02
15-30.00	0.3371E-01	-7.5 TO 97.5	0.5185E-03	82.5-187.5	0.4511E-03	15	0-105	0.4007E-02	90-195	0.3655E-02
30-45.00	0.5362E-01	-7.5 TO 97.5	0.3803E-03	82.5-187.5	0.3041E-03	30	0-105	0.3193E-02	90-195	0.2668E-02
45-60.00	0.6988E-01	-7.5 TO 97.5	0.2244E-03	82.5-187.5	0.1614E-03	45	0-105	0.2099E-02	90-195	0.1599E-02
60-75.00	0.8138E-01	-7.5 TO 97.5	0.8516E-04	82.5-187.5	0.4486E-04	60	0-105	0.1036E-02	90-195	0.6753E-03
75-87.71	0.7383E-01	-7.5 TO 97.5	0.4289E-05	82.5-187.5	0.1553E-06	75	0-105	0.1652E-03	90-195	0.8432E-05

r_2/r_1 = 0.80 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5360 $\cosh \mu_2$ = 3.0800 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 119.76

0-15.00	0.1642E-02	-7.5 TO 7.5	0.1132E-02	82.5- 97.5	0.1054E-02	0	0- 15	0.1101E-02	90-105	0.1101E-02
15-30.00	0.4615E-02	-7.5 TO 7.5	0.1045E-02	82.5- 97.5	0.8893E-03	15	0- 15	0.1123E-02	90-105	0.9950E-03
30-45.00	0.7660E-02	-7.5 TO 7.5	0.8125E-03	82.5- 97.5	0.6288E-03	30	0- 15	0.9560E-03	90-105	0.7564E-03
45-60.00	0.9583E-02	-7.5 TO 7.5	0.5126E-03	82.5- 97.5	0.3551E-03	45	0- 15	0.6717E-03	90-105	0.4744E-03
60-75.00	0.1163E-01	-7.5 TO 7.5	0.2246E-03	82.5- 97.5	0.1187E-03	60	0- 15	0.3646E-03	90-105	0.2169E-03
75-87.71	0.1055E-01	-7.5 TO 7.5	0.2662E-04	82.5- 97.5	0.1507E-05	75	0- 15	0.9754E-04	90-105	0.1109E-04
0-15.00	0.3289E-02	-7.5 TO 22.5	0.1131E-02	82.5-112.5	0.1045E-02	0	0- 30	0.2201E-02	90-120	0.2201E-02
15-30.00	0.9631E-02	-7.5 TO 22.5	0.1042E-02	82.5-112.5	0.8709E-03	15	0- 30	0.2237E-02	90-120	0.1963E-02
30-45.00	0.1532E-01	-7.5 TO 22.5	0.8090E-03	82.5-112.5	0.6081E-03	30	0- 30	0.1899E-02	90-120	0.1473E-02
45-60.00	0.1917E-01	-7.5 TO 22.5	0.5095E-03	82.5-112.5	0.3382E-03	45	0- 30	0.1330E-02	90-120	0.9120E-03
60-75.00	0.2325E-01	-7.5 TO 22.5	0.2225E-03	82.5-112.5	0.1081E-03	60	0- 30	0.7187E-03	90-120	0.4077E-03
75-87.71	0.2110E-01	-7.5 TO 22.5	0.2588E-04	82.5-112.5	0.9693E-06	75	0- 30	0.1886E-03	90-120	0.1294E-04
0-15.00	0.4927E-02	-7.5 TO 37.5	0.1128E-02	82.5-127.5	0.1036E-02	0	0- 45	0.3302E-02	90-135	0.3302E-02
15-30.00	0.1445E-01	-7.5 TO 37.5	0.1036E-02	82.5-127.5	0.8538E-03	15	0- 45	0.3336E-02	90-135	0.2908E-02
30-45.00	0.2298E-01	-7.5 TO 37.5	0.8012E-03	82.5-127.5	0.5892E-03	30	0- 45	0.2816E-02	90-135	0.2156E-02
45-60.00	0.2995E-01	-7.5 TO 37.5	0.5026E-03	82.5-127.5	0.3229E-03	45	0- 45	0.1962E-02	90-135	0.1319E-02
60-75.00	0.3488E-01	-7.5 TO 37.5	0.2177E-03	82.5-127.5	0.9880E-04	60	0- 45	0.1053E-02	90-135	0.5771E-03
75-87.71	0.3164E-01	-7.5 TO 37.5	0.2425E-04	82.5-127.5	0.6674E-06	75	0- 45	0.2677E-03	90-135	0.1336E-04
0-15.00	0.6570E-02	-7.5 TO 52.5	0.1123E-02	82.5-142.5	0.1027E-02	0	0- 60	0.4402E-02	90-150	0.4402E-02
15-30.00	0.1926E-01	-7.5 TO 52.5	0.1026E-02	82.5-142.5	0.8384E-03	15	0- 60	0.4414E-02	90-150	0.3834E-02
30-45.00	0.3064E-01	-7.5 TO 52.5	0.7895E-03	82.5-142.5	0.5723E-03	30	0- 60	0.3700E-02	90-150	0.2813E-02
45-60.00	0.3893E-01	-7.5 TO 52.5	0.4924E-03	82.5-142.5	0.3094E-03	45	0- 60	0.2560E-02	90-150	0.1701E-02
60-75.00	0.4650E-01	-7.5 TO 52.5	0.2106E-03	82.5-142.5	0.9087E-04	60	0- 60	0.1361E-02	90-150	0.7302E-03
75-87.71	0.4219E-01	-7.5 TO 52.5	0.2196E-04	82.5-142.5	0.5065E-06	75	0- 60	0.3309E-03	90-150	0.1359E-04
0-15.00	0.8212E-02	-7.5 TO 67.5	0.1117E-02	82.5-157.5	0.1020E-02	0	0- 75	0.5503E-02	90-165	0.5503E-02
15-30.00	0.2408E-01	-7.5 TO 67.5	0.1014E-02	82.5-157.5	0.8250E-03	15	0- 75	0.5465E-02	90-165	0.4747E-02
30-45.00	0.3830E-01	-7.5 TO 67.5	0.7747E-03	82.5-157.5	0.5578E-03	30	0- 75	0.4542E-02	90-165	0.3451E-02
45-60.00	0.4991E-01	-7.5 TO 67.5	0.4795E-03	82.5-157.5	0.2980E-03	45	0- 75	0.3118E-02	90-165	0.2068E-02
60-75.00	0.5813E-01	-7.5 TO 67.5	0.2018E-03	82.5-157.5	0.8427E-04	60	0- 75	0.1639E-02	90-165	0.8726E-03
75-87.71	0.5274E-01	-7.5 TO 67.5	0.1937E-04	82.5-157.5	0.4082E-06	75	0- 75	0.3762E-03	90-165	0.1376E-04
0-15.00	0.9855E-02	-7.5 TO 82.5	0.1110E-02	82.5-172.5	0.1014E-02	0	0- 90	0.6604E-02	90-180	0.6604E-02
15-30.00	0.2889E-01	-7.5 TO 82.5	0.9994E-03	82.5-172.5	0.8140E-03	15	0- 90	0.6489E-02	90-180	0.5653E-02
30-45.00	0.4596E-01	-7.5 TO 82.5	0.7577E-03	82.5-172.5	0.5459E-03	30	0- 90	0.5342E-02	90-180	0.4080E-02
45-60.00	0.5990E-01	-7.5 TO 82.5	0.4648E-03	82.5-172.5	0.2887E-03	45	0- 90	0.3633E-02	90-180	0.2426E-02
60-75.00	0.6975E-01	-7.5 TO 82.5	0.1919E-03	82.5-172.5	0.7903E-04	60	0- 90	0.1885E-02	90-180	0.1010E-02
75-87.71	0.6329E-01	-7.5 TO 82.5	0.1678E-04	82.5-172.5	0.3422E-06	75	0- 90	0.4037E-03	90-180	0.1391E-04
0-15.00	0.1150E-01	-7.5 TO 97.5	0.1102E-02	82.5-187.5	0.1009E-02	0	0-105	0.7704E-02	90-195	0.7704E-02
15-30.00	0.3371E-01	-7.5 TO 97.5	0.9837E-03	82.5-187.5	0.8056E-03	15	0-105	0.7484E-02	90-195	0.6559E-02
30-45.00	0.5362E-01	-7.5 TO 97.5	0.7392E-03	82.5-187.5	0.5368E-03	30	0-105	0.6098E-02	90-195	0.4710E-02
45-60.00	0.6988E-01	-7.5 TO 97.5	0.4492E-03	82.5-187.5	0.2815E-03	45	0-105	0.4107E-02	90-195	0.2784E-02
60-75.00	0.8138E-01	-7.5 TO 97.5	0.1815E-03	82.5-187.5	0.7506E-04	60	0-105	0.2102E-02	90-195	0.1147E-02
75-87.71	0.7383E-01	-7.5 TO 97.5	0.1460E-04	82.5-187.5	0.2949E-06	75	0-105	0.4148E-03	90-195	0.1405E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(i) Continued. Radius ratio, r_2/r_1, 0.80

r_2/r_1 = 0.80 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5360 $\cosh \mu_2$ = 3.0800 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 102.08

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1642E-02	-7.5 TO 7.5	0.1563E-02	82.5- 97.5	0.1427E-02	0	0- 15	0.1488E-02	90-105	0.1488E-02
15-30.00	0.4815E-02	-7.5 TO 7.5	0.1482E-02	82.5- 97.5	0.1207E-02	15	0- 15	0.1565E-02	90-105	0.1343E-02
30-45.00	0.7660E-02	-7.5 TO 7.5	0.1187E-02	82.5- 97.5	0.8591E-03	30	0- 15	0.1375E-02	90-105	0.1022E-02
45-60.00	0.9583E-02	-7.5 TO 7.5	0.7732E-03	82.5- 97.5	0.4895E-03	45	0- 15	0.9963E-03	90-105	0.6436E-03
60-75.00	0.1163E-01	-7.5 TO 7.5	0.3574E-03	82.5- 97.5	0.1666E-03	60	0- 15	0.5616E-03	90-105	0.2962E-03
75-87.71	0.1055E-01	-7.5 TO 7.5	0.5465E-04	82.5- 97.5	0.2419E-05	75	0- 15	0.1698E-03	90-105	0.1617E-04
0-15.00	0.3285E-02	-7.5 TO 22.5	0.1560E-02	82.5-112.5	0.1410E-02	0	0- 30	0.2976E-02	90-120	0.2976E-02
15-30.00	0.9631E-02	-7.5 TO 22.5	0.1477E-02	82.5-112.5	0.1176E-02	15	0- 30	0.3116E-02	90-120	0.2639E-02
30-45.00	0.1532E-01	-7.5 TO 22.5	0.1181E-02	82.5-112.5	0.8235E-03	30	0- 30	0.2726E-02	90-120	0.1976E-02
45-60.00	0.1917E-01	-7.5 TO 22.5	0.7675E-03	82.5-112.5	0.4606E-03	45	0- 30	0.1968E-02	90-120	0.1224E-02
60-75.00	0.2325E-01	-7.5 TO 22.5	0.3534E-03	82.5-112.5	0.1488E-03	60	0- 30	0.1104E-02	90-120	0.5487E-03
75-87.71	0.2110E-01	-7.5 TO 22.5	0.5294E-04	82.5-112.5	0.1512E-05	75	0- 30	0.3274E-03	90-120	0.1859E-04
0-15.00	0.4527E-02	-7.5 TO 37.5	0.1555E-02	82.5-127.5	0.1394E-02	0	0- 45	0.4464E-02	90-135	0.4464E-02
15-30.00	0.1445E-01	-7.5 TO 37.5	0.1466E-02	82.5-127.5	0.1146E-02	15	0- 45	0.4640E-02	90-135	0.3895E-02
30-45.00	0.2258E-01	-7.5 TO 37.5	0.1166E-02	82.5-127.5	0.7911E-03	30	0- 45	0.4032E-02	90-135	0.2873E-02
45-60.00	0.2955E-01	-7.5 TO 37.5	0.7547E-03	82.5-127.5	0.4347E-03	45	0- 45	0.2892E-02	90-135	0.1753E-02
60-75.00	0.3488E-01	-7.5 TO 37.5	0.3444E-03	82.5-127.5	0.1336E-03	60	0- 45	0.1609E-02	90-135	0.7661E-03
75-87.71	0.3164E-01	-7.5 TO 37.5	0.4934E-04	82.5-127.5	0.1031E-05	75	0- 45	0.4627E-03	90-135	0.1900E-04
0-15.00	0.6570E-02	-7.5 TO 52.5	0.1547E-02	82.5-142.5	0.1380E-02	0	0- 60	0.5952E-02	90-150	0.5952E-02
15-30.00	0.1926E-01	-7.5 TO 52.5	0.1448E-02	82.5-142.5	0.1120E-02	15	0- 60	0.6126E-02	90-150	0.5119E-02
30-45.00	0.3064E-01	-7.5 TO 52.5	0.1145E-02	82.5-142.5	0.7624E-03	30	0- 60	0.5276E-02	90-150	0.3725E-02
45-60.00	0.3953E-01	-7.5 TO 52.5	0.7358E-03	82.5-142.5	0.4121E-03	45	0- 60	0.3754E-02	90-150	0.2242E-02
60-75.00	0.4650E-01	-7.5 TO 52.5	0.3313E-03	82.5-142.5	0.1208E-03	60	0- 60	0.2066E-02	90-150	0.9577E-03
75-87.71	0.4219E-01	-7.5 TO 52.5	0.4457E-04	82.5-142.5	0.7794E-06	75	0- 60	0.5689E-03	90-150	0.1924E-04
0-15.00	0.8212E-02	-7.5 TO 67.5	0.1536E-02	82.5-157.5	0.1368E-02	0	0- 75	0.7440E-02	90-165	0.7440E-02
15-30.00	0.2408E-01	-7.5 TO 67.5	0.1426E-02	82.5-157.5	0.1097E-02	15	0- 75	0.7560E-02	90-165	0.6321E-02
30-45.00	0.3830E-01	-7.5 TO 67.5	0.1118E-02	82.5-157.5	0.7380E-03	30	0- 75	0.6448E-02	90-165	0.4547E-02
45-60.00	0.4991E-01	-7.5 TO 67.5	0.7124E-03	82.5-157.5	0.3932E-03	45	0- 75	0.4543E-02	90-165	0.2705E-02
60-75.00	0.5813E-01	-7.5 TO 67.5	0.3152E-03	82.5-157.5	0.1105E-03	60	0- 75	0.2468E-02	90-165	0.1132E-02
75-87.71	0.5274E-01	-7.5 TO 67.5	0.3922E-04	82.5-157.5	0.6266E-06	75	0- 75	0.6433E-03	90-165	0.1941E-04
0-15.00	0.9855E-02	-7.5 TO 82.5	0.1523E-02	82.5-172.5	0.1358E-02	0	0- 90	0.8929E-02	90-180	0.8929E-02
15-30.00	0.2889E-01	-7.5 TO 82.5	0.1401E-02	82.5-172.5	0.1079E-02	15	0- 90	0.8958E-02	90-180	0.7512E-02
30-45.00	0.4596E-01	-7.5 TO 82.5	0.1088E-02	82.5-172.5	0.7181E-03	30	0- 90	0.7544E-02	90-180	0.5353E-02
45-60.00	0.5990E-01	-7.5 TO 82.5	0.6858E-03	82.5-172.5	0.3778E-03	45	0- 90	0.5257E-02	90-180	0.3154E-02
60-75.00	0.6975E-01	-7.5 TO 82.5	0.2973E-03	82.5-172.5	0.1024E-03	60	0- 90	0.2815E-02	90-180	0.1299E-02
75-87.71	0.6329E-01	-7.5 TO 82.5	0.3396E-04	82.5-172.5	0.5242E-06	75	0- 90	0.6868E-03	90-180	0.1955E-04
0-15.00	0.1150E-01	-7.5 TO 97.5	0.1510E-02	82.5-187.5	0.1350E-02	0	0-105	0.1042E-01	90-195	0.1042E-01
15-30.00	0.3371E-01	-7.5 TO 97.5	0.1373E-02	82.5-187.5	0.1064E-02	15	0-105	0.1030E-01	90-195	0.8703E-02
30-45.00	0.5362E-01	-7.5 TO 97.5	0.1055E-02	82.5-187.5	0.7028E-03	30	0-105	0.8566E-02	90-195	0.6159E-02
45-60.00	0.6988E-01	-7.5 TO 97.5	0.6578E-03	82.5-187.5	0.3661E-03	45	0-105	0.5901E-02	90-195	0.3603E-02
60-75.00	0.8138E-01	-7.5 TO 97.5	0.2786E-03	82.5-187.5	0.9635E-04	60	0-105	0.3111E-02	90-195	0.1465E-02
75-87.71	0.7383E-01	-7.5 TO 97.5	0.2945E-04	82.5-187.5	0.4509E-06	75	0-105	0.7029E-03	90-195	0.1970E-04

r_2/r_1 = 0.80 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5360 $\cosh \mu_2$ = 3.0800 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 85.88

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1642E-02	-7.5 TO 7.5	0.1780E-02	82.5- 97.5	0.1593E-02	0	0- 15	0.1661E-02	90-105	0.1661E-02
15-30.00	0.4815E-02	-7.5 TO 7.5	0.1732E-02	82.5- 97.5	0.1352E-02	15	0- 15	0.1800E-02	90-105	0.1494E-02
30-45.00	0.7660E-02	-7.5 TO 7.5	0.1423E-02	82.5- 97.5	0.9667E-03	30	0- 15	0.1626E-02	90-105	0.1138E-02
45-60.00	0.9583E-02	-7.5 TO 7.5	0.9512E-03	82.5- 97.5	0.5548E-03	45	0- 15	0.1210E-02	90-105	0.7188E-03
60-75.00	0.1163E-01	-7.5 TO 7.5	0.4552E-03	82.5- 97.5	0.1914E-03	60	0- 15	0.7012E-03	90-105	0.3328E-03
75-87.71	0.1055E-01	-7.5 TO 7.5	0.8033E-04	82.5- 97.5	0.3100E-05	75	0- 15	0.2268E-03	90-105	0.1928E-04
0-15.00	0.3285E-02	-7.5 TO 22.5	0.1776E-02	82.5-112.5	0.1571E-02	0	0- 30	0.3321E-02	90-120	0.3321E-02
15-30.00	0.9631E-02	-7.5 TO 22.5	0.1724E-02	82.5-112.5	0.1309E-02	15	0- 30	0.3580E-02	90-120	0.2926E-02
30-45.00	0.1532E-01	-7.5 TO 22.5	0.1414E-02	82.5-112.5	0.9186E-03	30	0- 30	0.3219E-02	90-120	0.2184E-02
45-60.00	0.1917E-01	-7.5 TO 22.5	0.9430E-03	82.5-112.5	0.5162E-03	45	0- 30	0.2384E-02	90-120	0.1353E-02
60-75.00	0.2325E-01	-7.5 TO 22.5	0.4495E-03	82.5-112.5	0.1685E-03	60	0- 30	0.1374E-02	90-120	0.6086E-03
75-87.71	0.2110E-01	-7.5 TO 22.5	0.7771E-04	82.5-112.5	0.1899E-05	75	0- 30	0.4362E-03	90-120	0.2185E-04
0-15.00	0.4527E-02	-7.5 TO 37.5	0.1769E-02	82.5-127.5	0.1549E-02	0	0- 45	0.4982E-02	90-135	0.4982E-02
15-30.00	0.1445E-01	-7.5 TO 37.5	0.1708E-02	82.5-127.5	0.1269E-02	15	0- 45	0.5322E-02	90-135	0.4303E-02
30-45.00	0.2258E-01	-7.5 TO 37.5	0.1394E-02	82.5-127.5	0.8750E-03	30	0- 45	0.4748E-02	90-135	0.3154E-02
45-60.00	0.2955E-01	-7.5 TO 37.5	0.9247E-03	82.5-127.5	0.4820E-03	45	0- 45	0.3492E-02	90-135	0.1920E-02
60-75.00	0.3488E-01	-7.5 TO 37.5	0.4366E-03	82.5-127.5	0.1493E-03	60	0- 45	0.1995E-02	90-135	0.8403E-03
75-87.71	0.3164E-01	-7.5 TO 37.5	0.7217E-04	82.5-127.5	0.1290E-05	75	0- 45	0.6141E-03	90-135	0.2226E-04
0-15.00	0.6570E-02	-7.5 TO 52.5	0.1757E-02	82.5-142.5	0.1530E-02	0	0- 60	0.6642E-02	90-150	0.6642E-02
15-30.00	0.1926E-01	-7.5 TO 52.5	0.1684E-02	82.5-142.5	0.1234E-02	15	0- 60	0.7013E-02	90-150	0.5638E-02
30-45.00	0.3064E-01	-7.5 TO 52.5	0.1364E-02	82.5-142.5	0.8370E-03	30	0- 60	0.6192E-02	90-150	0.4065E-02
45-60.00	0.3953E-01	-7.5 TO 52.5	0.8979E-03	82.5-142.5	0.4528E-03	45	0- 60	0.4511E-02	90-150	0.2436E-02
60-75.00	0.4650E-01	-7.5 TO 52.5	0.4180E-03	82.5-142.5	0.1336E-03	60	0- 60	0.2547E-02	90-150	0.1041E-02
75-87.71	0.4219E-01	-7.5 TO 52.5	0.6485E-04	82.5-142.5	0.9737E-06	75	0- 60	0.7516E-03	90-150	0.2249E-04
0-15.00	0.8212E-02	-7.5 TO 67.5	0.1743E-02	82.5-157.5	0.1513E-02	0	0- 75	0.8303E-02	90-165	0.8303E-02
15-30.00	0.2408E-01	-7.5 TO 67.5	0.1654E-02	82.5-157.5	0.1203E-02	15	0- 75	0.8641E-02	90-165	0.6942E-02
30-45.00	0.3830E-01	-7.5 TO 67.5	0.1327E-02	82.5-157.5	0.8050E-03	30	0- 75	0.7536E-02	90-165	0.4936E-02
45-60.00	0.4991E-01	-7.5 TO 67.5	0.8647E-03	82.5-157.5	0.4286E-03	45	0- 75	0.5429E-02	90-165	0.2920E-02
60-75.00	0.5813E-01	-7.5 TO 67.5	0.3954E-03	82.5-157.5	0.1212E-03	60	0- 75	0.3023E-02	90-165	0.1222E-02
75-87.71	0.5274E-01	-7.5 TO 67.5	0.5689E-04	82.5-157.5	0.7820E-06	75	0- 75	0.8458E-03	90-165	0.2266E-04
0-15.00	0.9855E-02	-7.5 TO 82.5	0.1725E-02	82.5-172.5	0.1499E-02	0	0- 90	0.9963E-02	90-180	0.9963E-02
15-30.00	0.2889E-01	-7.5 TO 82.5	0.1619E-02	82.5-172.5	0.1179E-02	15	0- 90	0.1020E-01	90-180	0.8232E-02
30-45.00	0.4596E-01	-7.5 TO 82.5	0.1284E-02	82.5-172.5	0.7791E-03	30	0- 90	0.8775E-02	90-180	0.5789E-02
45-60.00	0.5990E-01	-7.5 TO 82.5	0.8276E-03	82.5-172.5	0.4092E-03	45	0- 90	0.6244E-02	90-180	0.3387E-02
60-75.00	0.6975E-01	-7.5 TO 82.5	0.3705E-03	82.5-172.5	0.1116E-03	60	0- 90	0.3424E-02	90-180	0.1393E-02
75-87.71	0.6329E-01	-7.5 TO 82.5	0.4918E-04	82.5-172.5	0.6537E-06	75	0- 90	0.8994E-03	90-180	0.2281E-04
0-15.00	0.1150E-01	-7.5 TO 97.5	0.1707E-02	82.5-187.5	0.1489E-02	0	0-105	0.1162E-01	90-195	0.1162E-01
15-30.00	0.3371E-01	-7.5 TO 97.5	0.1581E-02	82.5-187.5	0.1160E-02	15	0-105	0.1170E-01	90-195	0.9521E-02
30-45.00	0.5362E-01	-7.5 TO 97.5	0.1239E-02	82.5-187.5	0.7593E-03	30	0-105	0.9913E-02	90-195	0.6641E-02
45-60.00	0.6988E-01	-7.5 TO 97.5	0.7886E-03	82.5-187.5	0.3945E-03	45	0-105	0.6963E-02	90-195	0.3855E-02
60-75.00	0.8138E-01	-7.5 TO 97.5	0.3449E-03	82.5-187.5	0.1044E-03	60	0-105	0.3757E-02	90-195	0.1565E-02
75-87.71	0.7383E-01	-7.5 TO 97.5	0.4260E-04	82.5-187.5	0.5619E-06	75	0-105	0.9187E-03	90-195	0.2295E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(i) Continued. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5360$ $\cosh \mu_2 = 3.0800$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 71.05$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1642E-02	-7.5 TO 7.5	0.1799E-02	82.5- 97.5	0.1599E-02	0	0- 15	0.1667E-02	90-105	0.1667E-02
15-30.00	0.4815E-02	-7.5 TO 7.5	0.1773E-02	82.5- 97.5	0.1358E-02	15	0- 15	0.1827E-02	90-105	0.1499E-02
30-45.00	0.7660E-02	-7.5 TO 7.5	0.1484E-02	82.5- 97.5	0.9720E-03	30	0- 15	0.1679E-02	90-105	0.1141E-02
45-60.00	0.9583E-02	-7.5 TO 7.5	0.1010E-02	82.5- 97.5	0.5588E-03	45	0- 15	0.1272E-02	90-105	0.7211E-03
60-75.00	0.1163E-01	-7.5 TO 7.5	0.4928E-03	82.5- 97.5	0.1932E-03	60	0- 15	0.7515E-03	90-105	0.3342E-03
75-87.71	0.1055E-01	-7.5 TO 7.5	0.9163E-04	82.5- 97.5	0.3184E-05	75	0- 15	0.2501E-03	90-105	0.1947E-04
0-15.00	0.3285E-02	-7.5 TO 22.5	0.1795E-02	82.5-112.5	0.1576E-02	0	0- 30	0.3333E-02	90-120	0.3333E-02
15-30.00	0.9631E-02	-7.5 TO 22.5	0.1765E-02	82.5-112.5	0.1313E-02	15	0- 30	0.3632E-02	90-120	0.2933E-02
30-45.00	0.1532E-01	-7.5 TO 22.5	0.1473E-02	82.5-112.5	0.9219E-03	30	0- 30	0.3319E-02	90-120	0.2188E-02
45-60.00	0.1917E-01	-7.5 TO 22.5	0.9999E-03	82.5-112.5	0.5185E-03	45	0- 30	0.2502E-02	90-120	0.1356E-02
60-75.00	0.2325E-01	-7.5 TO 22.5	0.4899E-03	82.5-112.5	0.1696E-03	60	0- 30	0.1469E-02	90-120	0.6101E-03
75-87.71	0.2110E-01	-7.5 TO 22.5	0.8851E-04	82.5-112.5	0.1944E-05	75	0- 30	0.4797E-03	90-120	0.2205E-04
0-15.00	0.4527E-02	-7.5 TO 37.5	0.1787E-02	82.5-127.5	0.1554E-02	0	0- 45	0.5000E-02	90-135	0.5000E-02
15-30.00	0.1445E-01	-7.5 TO 37.5	0.1747E-02	82.5-127.5	0.1272E-02	15	0- 45	0.5396E-02	90-135	0.4311E-02
30-45.00	0.2298E-01	-7.5 TO 37.5	0.1449E-02	82.5-127.5	0.8773E-03	30	0- 45	0.4886E-02	90-135	0.3158E-02
45-60.00	0.2595E-01	-7.5 TO 37.5	0.9780E-03	82.5-127.5	0.4835E-03	45	0- 45	0.3654E-02	90-135	0.1922E-02
60-75.00	0.3488E-01	-7.5 TO 37.5	0.4705E-03	82.5-127.5	0.1500E-03	60	0- 45	0.2124E-02	90-135	0.8418E-03
75-87.71	0.3164E-01	-7.5 TO 37.5	0.8191E-04	82.5-127.5	0.1320E-05	75	0- 45	0.6722E-03	90-135	0.2246E-04
0-15.00	0.6570E-02	-7.5 TO 52.5	0.1775E-02	82.5-142.5	0.1534E-02	0	0- 60	0.6667E-02	90-150	0.6667E-02
15-30.00	0.1926E-01	-7.5 TO 52.5	0.1720E-02	82.5-142.5	0.1236E-02	15	0- 60	0.7103E-02	90-150	0.5645E-02
30-45.00	0.3064E-01	-7.5 TO 52.5	0.1415E-02	82.5-142.5	0.8387E-03	30	0- 60	0.6357E-02	90-150	0.4068E-02
45-60.00	0.3593E-01	-7.5 TO 52.5	0.9462E-03	82.5-142.5	0.4539E-03	45	0- 60	0.4703E-02	90-150	0.2438E-02
60-75.00	0.4650E-01	-7.5 TO 52.5	0.4485E-03	82.5-142.5	0.1342E-03	60	0- 60	0.2698E-02	90-150	0.1042E-02
75-87.71	0.4219E-01	-7.5 TO 52.5	0.7325E-04	82.5-142.5	0.9962E-06	75	0- 60	0.8184E-03	90-150	0.2270E-04
0-15.00	0.8212E-02	-7.5 TO 67.5	0.1759E-02	82.5-157.5	0.1516E-02	0	0- 75	0.8333E-02	90-165	0.8333E-02
15-30.00	0.2408E-01	-7.5 TO 67.5	0.1686E-02	82.5-157.5	0.1205E-02	15	0- 75	0.8744E-02	90-165	0.6950E-02
30-45.00	0.3830E-01	-7.5 TO 67.5	0.1372E-02	82.5-157.5	0.8063E-03	30	0- 75	0.7718E-02	90-165	0.4940E-02
45-60.00	0.4491E-01	-7.5 TO 67.5	0.9076E-03	82.5-157.5	0.4295E-03	45	0- 75	0.5639E-02	90-165	0.2922E-02
60-75.00	0.5813E-01	-7.5 TO 67.5	0.4221E-03	82.5-157.5	0.1216E-03	60	0- 75	0.3187E-02	90-165	0.1223E-02
75-87.71	0.5274E-01	-7.5 TO 67.5	0.6399E-04	82.5-157.5	0.8000E-06	75	0- 75	0.9167E-03	90-165	0.2286E-04
0-15.00	0.9855E-02	-7.5 TO 82.5	0.1740E-02	82.5-172.5	0.1502E-02	0	0- 90	0.1000E-01	90-180	0.1000E-01
15-30.00	0.2889E-01	-7.5 TO 82.5	0.1648E-02	82.5-172.5	0.1180E-02	15	0- 90	0.1031E-01	90-180	0.8239E-02
30-45.00	0.4596E-01	-7.5 TO 82.5	0.1324E-02	82.5-172.5	0.7802E-03	30	0- 90	0.8966E-02	90-180	0.5792E-02
45-60.00	0.5390E-01	-7.5 TO 82.5	0.8651E-03	82.5-172.5	0.4100E-03	45	0- 90	0.6462E-02	90-180	0.3390E-02
60-75.00	0.6975E-01	-7.5 TO 82.5	0.3938E-03	82.5-172.5	0.1120E-03	60	0- 90	0.3593E-02	90-180	0.1395E-02
75-87.71	0.6329E-01	-7.5 TO 82.5	0.5525E-04	82.5-172.5	0.6687E-06	75	0- 90	0.9720E-03	90-180	0.2301E-04
0-15.00	0.1150E-01	-7.5 TO 97.5	0.1720E-02	82.5-187.5	0.1491E-02	0	0-105	0.1167E-01	90-195	0.1167E-01
15-30.00	0.3371E-01	-7.5 TO 97.5	0.1606E-02	82.5-187.5	0.1161E-02	15	0-105	0.1181E-01	90-195	0.9529E-02
30-45.00	0.5362E-01	-7.5 TO 97.5	0.1274E-02	82.5-187.5	0.7603E-03	30	0-105	0.1011E-01	90-195	0.6645E-02
45-60.00	0.6288E-01	-7.5 TO 97.5	0.8213E-03	82.5-187.5	0.3952E-03	45	0-105	0.7183E-02	90-195	0.3858E-02
60-75.00	0.8138E-01	-7.5 TO 97.5	0.3650E-03	82.5-187.5	0.1047E-03	60	0-105	0.3927E-02	90-195	0.1566E-02
75-87.71	0.7383E-01	-7.5 TO 97.5	0.4777E-04	82.5-187.5	0.5747E-06	75	0-105	0.9911E-03	90-195	0.2315E-04

$r_2/r_1 = 0.80$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5360$ $\cosh \mu_2 = 3.0800$ $\alpha_{2,max} = 92.29$ $\theta_{2,min} = 68.90$

0-15.00	0.1642E-02	-7.5 TO 7.5	0.1799E-02	82.5- 97.5	0.1599E-02	0	0- 15	0.1667E-02	90-105	0.1667E-02
15-30.00	0.4815E-02	-7.5 TO 7.5	0.1773E-02	82.5- 97.5	0.1358E-02	15	0- 15	0.1827E-02	90-105	0.1499E-02
30-45.00	0.7660E-02	-7.5 TO 7.5	0.1484E-02	82.5- 97.5	0.9720E-03	30	0- 15	0.1679E-02	90-105	0.1141E-02
45-60.00	0.9583E-02	-7.5 TO 7.5	0.1010E-02	82.5- 97.5	0.5588E-03	45	0- 15	0.1272E-02	90-105	0.7211E-03
60-75.00	0.1163E-01	-7.5 TO 7.5	0.4931E-03	82.5- 97.5	0.1932E-03	60	0- 15	0.7516E-03	90-105	0.3342E-03
75-87.71	0.1055E-01	-7.5 TO 7.5	0.9180E-04	82.5- 97.5	0.3184E-05	75	0- 15	0.2504E-03	90-105	0.1947E-04
0-15.00	0.3285E-02	-7.5 TO 22.5	0.1795E-02	82.5-112.5	0.1576E-02	0	0- 30	0.3333E-02	90-120	0.3333E-02
15-30.00	0.9631E-02	-7.5 TO 22.5	0.1765E-02	82.5-112.5	0.1313E-02	15	0- 30	0.3632E-02	90-120	0.2933E-02
30-45.00	0.1532E-01	-7.5 TO 22.5	0.1473E-02	82.5-112.5	0.9219E-03	30	0- 30	0.3319E-02	90-120	0.2188E-02
45-60.00	0.1917E-01	-7.5 TO 22.5	0.9999E-03	82.5-112.5	0.5185E-03	45	0- 30	0.2502E-02	90-120	0.1356E-02
60-75.00	0.2325E-01	-7.5 TO 22.5	0.4861E-03	82.5-112.5	0.1696E-03	60	0- 30	0.1469E-02	90-120	0.6101E-03
75-87.71	0.2110E-01	-7.5 TO 22.5	0.8865E-04	82.5-112.5	0.1944E-05	75	0- 30	0.4801E-03	90-120	0.2205E-04
0-15.00	0.4527E-02	-7.5 TO 37.5	0.1787E-02	82.5-127.5	0.1554E-02	0	0- 45	0.5000E-02	90-135	0.5000E-02
15-30.00	0.1445E-01	-7.5 TO 37.5	0.1747E-02	82.5-127.5	0.1272E-02	15	0- 45	0.5396E-02	90-135	0.4311E-02
30-45.00	0.2298E-01	-7.5 TO 37.5	0.1449E-02	82.5-127.5	0.8773E-03	30	0- 45	0.4886E-02	90-135	0.3158E-02
45-60.00	0.2595E-01	-7.5 TO 37.5	0.9780E-03	82.5-127.5	0.4835E-03	45	0- 45	0.3654E-02	90-135	0.1922E-02
60-75.00	0.3488E-01	-7.5 TO 37.5	0.4706E-03	82.5-127.5	0.1500E-03	60	0- 45	0.2124E-02	90-135	0.8418E-03
75-87.71	0.3164E-01	-7.5 TO 37.5	0.8201E-04	82.5-127.5	0.1320E-05	75	0- 45	0.6726E-03	90-135	0.2246E-04
0-15.00	0.6570E-02	-7.5 TO 52.5	0.1775E-02	82.5-142.5	0.1534E-02	0	0- 60	0.6667E-02	90-150	0.6667E-02
15-30.00	0.1926E-01	-7.5 TO 52.5	0.1720E-02	82.5-142.5	0.1236E-02	15	0- 60	0.7103E-02	90-150	0.5645E-02
30-45.00	0.3064E-01	-7.5 TO 52.5	0.1415E-02	82.5-142.5	0.8387E-03	30	0- 60	0.6357E-02	90-150	0.4068E-02
45-60.00	0.3593E-01	-7.5 TO 52.5	0.9462E-03	82.5-142.5	0.4539E-03	45	0- 60	0.4703E-02	90-150	0.2438E-02
60-75.00	0.4650E-01	-7.5 TO 52.5	0.4486E-03	82.5-142.5	0.1342E-03	60	0- 60	0.2699E-02	90-150	0.1042E-02
75-87.71	0.4219E-01	-7.5 TO 52.5	0.7332E-04	82.5-142.5	0.9962E-06	75	0- 60	0.8188E-03	90-150	0.2270E-04
0-15.00	0.8212E-02	-7.5 TO 67.5	0.1759E-02	82.5-157.5	0.1516E-02	0	0- 75	0.8333E-02	90-165	0.8333E-02
15-30.00	0.2408E-01	-7.5 TO 67.5	0.1686E-02	82.5-157.5	0.1205E-02	15	0- 75	0.8744E-02	90-165	0.6950E-02
30-45.00	0.3830E-01	-7.5 TO 67.5	0.1372E-02	82.5-157.5	0.8063E-03	30	0- 75	0.7718E-02	90-165	0.4940E-02
45-60.00	0.4491E-01	-7.5 TO 67.5	0.9076E-03	82.5-157.5	0.4295E-03	45	0- 75	0.5639E-02	90-165	0.2922E-02
60-75.00	0.5813E-01	-7.5 TO 67.5	0.4222E-03	82.5-157.5	0.1216E-03	60	0- 75	0.3187E-02	90-165	0.1223E-02
75-87.71	0.5274E-01	-7.5 TO 67.5	0.6405E-04	82.5-157.5	0.8000E-06	75	0- 75	0.9171E-03	90-165	0.2286E-04
0-15.00	0.9855E-02	-7.5 TO 82.5	0.1740E-02	82.5-172.5	0.1502E-02	0	0- 90	0.1000E-01	90-180	0.1000E-01
15-30.00	0.2889E-01	-7.5 TO 82.5	0.1648E-02	82.5-172.5	0.1180E-02	15	0- 90	0.1031E-01	90-180	0.8239E-02
30-45.00	0.4596E-01	-7.5 TO 82.5	0.1324E-02	82.5-172.5	0.7802E-03	30	0- 90	0.8966E-02	90-180	0.5792E-02
45-60.00	0.5390E-01	-7.5 TO 82.5	0.8651E-03	82.5-172.5	0.4100E-03	45	0- 90	0.6462E-02	90-180	0.3390E-02
60-75.00	0.6975E-01	-7.5 TO 82.5	0.3938E-03	82.5-172.5	0.1120E-03	60	0- 90	0.3593E-02	90-180	0.1395E-02
75-87.71	0.6329E-01	-7.5 TO 82.5	0.5525E-04	82.5-172.5	0.6687E-06	75	0- 90	0.9720E-03	90-180	0.2301E-04
0-15.00	0.1150E-01	-7.5 TO 97.5	0.1720E-02	82.5-187.5	0.1491E-02	0	0-105	0.1167E-01	90-195	0.1167E-01
15-30.00	0.3371E-01	-7.5 TO 97.5	0.1606E-02	82.5-187.5	0.1161E-02	15	0-105	0.1181E-01	90-195	0.9529E-02
30-45.00	0.5362E-01	-7.5 TO 97.5	0.1274E-02	82.5-187.5	0.7603E-03	30	0-105	0.1011E-01	90-195	0.6645E-02
45-60.00	0.6588E-01	-7.5 TO 97.5	0.8213E-03	82.5-187.5	0.3952E-03	45	0-105	0.7183E-02	90-195	0.3858E-02
60-75.00	0.8138E-01	-7.5 TO 97.5	0.3651E-03	82.5-187.5	0.1047E-03	60	0-105	0.3927E-02	90-195	0.1566E-02
75-87.71	0.7383E-01	-7.5 TO 97.5	0.4781E-04	82.5-187.5	0.5747E-06	75	0-105	0.9914E-03	90-195	0.2315E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(1) Continued. Radius ratio, r_2/r_1, 0.80

r_2/r_1 = 0.80 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5257 $\cosh \mu_2$ = 4.3429 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 161.10

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7804E-03	-7.5 TO 7.5	0.6406E-04	82.5- 97.5	0.6318E-04	0	0- 15	0.6527E-04	90-105	0.6527E-04
15-30.00	0.2288E-02	-7.5 TO 7.5	0.5721E-04	82.5- 97.5	0.5542E-04	15	0- 15	0.6240E-04	90-105	0.6095E-04
30-45.00	0.3640E-02	-7.5 TO 7.5	0.4444E-04	82.5- 97.5	0.4219E-04	30	0- 15	0.5206E-04	90-105	0.4969E-04
45-60.00	0.4743E-02	-7.5 TO 7.5	0.2885E-04	82.5- 97.5	0.2673E-04	45	0- 15	0.3718E-04	90-105	0.3463E-04
60-75.00	0.5524E-02	-7.5 TO 7.5	0.1333E-04	82.5- 97.5	0.1170E-04	60	0- 15	0.2108E-04	90-105	0.1892E-04
75-88.36	0.5273E-02	-7.5 TO 7.5	0.1609E-05	82.5- 97.5	0.1051E-05	75	0- 15	0.6169E-05	90-105	0.4692E-05
0-15.00	0.1561E-02	-7.5 TO 22.5	0.6404E-04	82.5-112.5	0.6307E-04	0	0- 30	0.1305E-03	90-120	0.1305E-03
15-30.00	0.4576E-02	-7.5 TO 22.5	0.5718E-04	82.5-112.5	0.5519E-04	15	0- 30	0.1247E-03	90-120	0.1216E-03
30-45.00	0.7280E-02	-7.5 TO 22.5	0.4441E-04	82.5-112.5	0.4191E-04	30	0- 30	0.1040E-03	90-120	0.9887E-04
45-60.00	0.9487E-02	-7.5 TO 22.5	0.2882E-04	82.5-112.5	0.2646E-04	45	0- 30	0.7421E-04	90-120	0.6870E-04
60-75.00	0.1105E-01	-7.5 TO 22.5	0.1330E-04	82.5-112.5	0.1150E-04	60	0- 30	0.4202E-04	90-120	0.3738E-04
75-88.36	0.1055E-01	-7.5 TO 22.5	0.1597E-05	82.5-112.5	0.9910E-06	75	0- 30	0.1229E-04	90-120	0.9072E-05
0-15.00	0.2341E-02	-7.5 TO 37.5	0.6401E-04	82.5-127.5	0.6296E-04	0	0- 45	0.1958E-03	90-135	0.1958E-03
15-30.00	0.6864E-02	-7.5 TO 37.5	0.5711E-04	82.5-127.5	0.5497E-04	15	0- 45	0.1868E-03	90-135	0.1819E-03
30-45.00	0.1092E-01	-7.5 TO 37.5	0.4432E-04	82.5-127.5	0.4164E-04	30	0- 45	0.1556E-03	90-135	0.1476E-03
45-60.00	0.1423E-01	-7.5 TO 37.5	0.2873E-04	82.5-127.5	0.2621E-04	45	0- 45	0.1109E-03	90-135	0.1023E-03
60-75.00	0.1657E-01	-7.5 TO 37.5	0.1324E-04	82.5-127.5	0.1131E-04	60	0- 45	0.6270E-04	90-135	0.5543E-04
75-88.36	0.1582E-01	-7.5 TO 37.5	0.1571E-05	82.5-127.5	0.9349E-06	75	0- 45	0.1814E-04	90-135	0.1318E-04
0-15.00	0.3122E-02	-7.5 TO 52.5	0.6396E-04	82.5-142.5	0.6286E-04	0	0- 60	0.2611E-03	90-150	0.2611E-03
15-30.00	0.9152E-02	-7.5 TO 52.5	0.5700E-04	82.5-142.5	0.5477E-04	15	0- 60	0.2487E-03	90-150	0.2420F-03
30-45.00	0.1456E-01	-7.5 TO 52.5	0.4418E-04	82.5-142.5	0.4139E-04	30	0- 60	0.2069E-03	90-150	0.1959E-03
45-60.00	0.1897E-01	-7.5 TO 52.5	0.2860E-04	82.5-142.5	0.2598E-04	45	0- 60	0.1472E-03	90-150	0.1355E-03
60-75.00	0.2210E-01	-7.5 TO 52.5	0.1314E-04	82.5-142.5	0.1114E-04	60	0- 60	0.8302E-04	90-150	0.7315E-04
75-88.36	0.2109E-01	-7.5 TO 52.5	0.1532E-05	82.5-142.5	0.8839E-06	75	0- 60	0.2379E-04	90-150	0.1706E-04
0-15.00	0.3502E-02	-7.5 TO 67.5	0.6389E-04	82.5-157.5	0.6277E-04	0	0- 75	0.3264E-03	90-165	0.3264E-03
15-30.00	0.1144E-01	-7.5 TO 67.5	0.5686E-04	82.5-157.5	0.5460E-04	15	0- 75	0.3103E-03	90-165	0.3020E-03
30-45.00	0.1820E-01	-7.5 TO 67.5	0.4401E-04	82.5-157.5	0.4118E-04	30	0- 75	0.2576E-03	90-165	0.2440E-03
45-60.00	0.2372E-01	-7.5 TO 67.5	0.2844E-04	82.5-157.5	0.2578E-04	45	0- 75	0.1830E-03	90-165	0.1684E-03
60-75.00	0.2762E-01	-7.5 TO 67.5	0.1301E-04	82.5-157.5	0.1099E-04	60	0- 75	0.1029E-03	90-165	0.9065E-04
75-88.36	0.2637E-01	-7.5 TO 67.5	0.1485E-05	82.5-157.5	0.8395E-06	75	0- 75	0.2914E-04	90-165	0.2079E-04
0-15.00	0.4682E-02	-7.5 TO 82.5	0.6381E-04	82.5-172.5	0.6270E-04	0	0- 90	0.3916E-03	90-180	0.3916E-03
15-30.00	0.1373E-01	-7.5 TO 82.5	0.5670E-04	82.5-172.5	0.5445E-04	15	0- 90	0.3716E-03	90-180	0.3618E-03
30-45.00	0.2184E-01	-7.5 TO 82.5	0.4380E-04	82.5-172.5	0.4100E-04	30	0- 90	0.3079E-03	90-180	0.2919E-03
45-60.00	0.2846E-01	-7.5 TO 82.5	0.2824E-04	82.5-172.5	0.2562E-04	45	0- 90	0.2182E-03	90-180	0.2011E-03
60-75.00	0.3314E-01	-7.5 TO 82.5	0.1286E-04	82.5-172.5	0.1087E-04	60	0- 90	0.1223E-03	90-180	0.1080E-03
75-88.36	0.3164E-01	-7.5 TO 82.5	0.1433E-05	82.5-172.5	0.8028E-06	75	0- 90	0.3417E-04	90-180	0.2444E-04
0-15.00	0.5463E-02	-7.5 TO 97.5	0.6372E-04	82.5-187.5	0.6264E-04	0	0-105	0.4569E-03	90-195	0.4569E-03
15-30.00	0.1602E-01	-7.5 TO 97.5	0.5652E-04	82.5-187.5	0.5434E-04	15	0-105	0.4326E-03	90-195	0.4217E-03
30-45.00	0.2548E-01	-7.5 TO 97.5	0.4357E-04	82.5-187.5	0.4086E-04	30	0-105	0.3576E-03	90-195	0.3399E-03
45-60.00	0.3320E-01	-7.5 TO 97.5	0.2803E-04	82.5-187.5	0.2549E-04	45	0-105	0.2528E-03	90-195	0.2339E-03
60-75.00	0.3867E-01	-7.5 TO 97.5	0.1270E-04	82.5-187.5	0.1077E-04	60	0-105	0.1412E-03	90-195	0.1254E-03
75-88.36	0.3691E-01	-7.5 TO 97.5	0.1378E-05	82.5-187.5	0.7745E-06	75	0-105	0.3886E-04	90-195	0.2809E-04

r_2/r_1 = 0.80 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5257 $\cosh \mu_2$ = 4.3429 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 142.57

0-15.00	0.7804E-03	-7.5 TO 7.5	0.2341E-03	82.5- 97.5	0.2279E-03	0	0- 15	0.2354E-03	90-105	0.2354E-03
15-30.00	0.2288E-02	-7.5 TO 7.5	0.2129E-03	82.5- 97.5	0.2000E-03	15	0- 15	0.2296E-03	90-105	0.2193E-03
30-45.00	0.3640E-02	-7.5 TO 7.5	0.1688E-03	82.5- 97.5	0.1525E-03	30	0- 15	0.1955E-03	90-105	0.1785E-03
45-60.00	0.4743E-02	-7.5 TO 7.5	0.1123E-03	82.5- 97.5	0.9683E-04	45	0- 15	0.1427E-03	90-105	0.1243E-03
60-75.00	0.5524E-02	-7.5 TO 7.5	0.5439E-04	82.5- 97.5	0.4257E-04	60	0- 15	0.8344E-04	90-105	0.6784E-04
75-88.36	0.5273E-02	-7.5 TO 7.5	0.8324E-05	82.5- 97.5	0.3881E-05	75	0- 15	0.2733E-04	90-105	0.1664E-04
0-15.00	0.1561E-02	-7.5 TO 22.5	0.2340E-03	82.5-112.5	0.2271E-03	0	0- 30	0.4707E-03	90-120	0.4707E-03
15-30.00	0.4576E-02	-7.5 TO 22.5	0.2127E-03	82.5-112.5	0.1984E-03	15	0- 30	0.4586E-03	90-120	0.4363E-03
30-45.00	0.7280E-02	-7.5 TO 22.5	0.1685E-03	82.5-112.5	0.1505E-03	30	0- 30	0.3900E-03	90-120	0.3534E-03
45-60.00	0.9487E-02	-7.5 TO 22.5	0.1120E-03	82.5-112.5	0.9497E-04	45	0- 30	0.2843E-03	90-120	0.2447E-03
60-75.00	0.1105E-01	-7.5 TO 22.5	0.5418E-04	82.5-112.5	0.4118E-04	60	0- 30	0.1659E-03	90-120	0.1325E-03
75-88.36	0.1055E-01	-7.5 TO 22.5	0.8235E-05	82.5-112.5	0.3470E-05	75	0- 30	0.5396E-04	90-120	0.3114E-04
0-15.00	0.2341E-02	-7.5 TO 37.5	0.2338E-03	82.5-127.5	0.2263E-03	0	0- 45	0.7061E-03	90-135	0.7061E-03
15-30.00	0.6864E-02	-7.5 TO 37.5	0.2122E-03	82.5-127.5	0.1969E-03	15	0- 45	0.6863E-03	90-135	0.6513E-03
30-45.00	0.1092E-01	-7.5 TO 37.5	0.1678E-03	82.5-127.5	0.1486E-03	30	0- 45	0.5825E-03	90-135	0.5251E-03
45-60.00	0.1423E-01	-7.5 TO 37.5	0.1114E-03	82.5-127.5	0.9322E-04	45	0- 45	0.4237E-03	90-135	0.3618E-03
60-75.00	0.1657E-01	-7.5 TO 37.5	0.5369E-04	82.5-127.5	0.3987E-04	60	0- 45	0.2464E-03	90-135	0.1943E-03
75-88.36	0.1582E-01	-7.5 TO 37.5	0.8034E-05	82.5-127.5	0.3090E-05	75	0- 45	0.7925E-04	90-135	0.4381E-04
0-15.00	0.3122E-02	-7.5 TO 52.5	0.2334E-03	82.5-142.5	0.2256E-03	0	0- 60	0.9414E-03	90-150	0.9414E-03
15-30.00	0.9152E-02	-7.5 TO 52.5	0.2114E-03	82.5-142.5	0.1955E-03	15	0- 60	0.9123E-03	90-150	0.8647E-03
30-45.00	0.1456E-01	-7.5 TO 52.5	0.1668E-03	82.5-142.5	0.1469E-03	30	0- 60	0.7721E-03	90-150	0.6941E-03
45-60.00	0.1897E-01	-7.5 TO 52.5	0.1104E-03	82.5-142.5	0.9164E-04	45	0- 60	0.5599E-03	90-150	0.4761E-03
60-75.00	0.2210E-01	-7.5 TO 52.5	0.5296E-04	82.5-142.5	0.3870E-04	60	0- 60	0.3243E-03	90-150	0.2539E-03
75-88.36	0.2109E-01	-7.5 TO 52.5	0.7735E-05	82.5-142.5	0.2750E-05	75	0- 60	0.1027E-03	90-150	0.5503E-04
0-15.00	0.3502E-02	-7.5 TO 67.5	0.2329E-03	82.5-157.5	0.2250E-03	0	0- 75	0.1177E-02	90-165	0.1177E-02
15-30.00	0.1144E-01	-7.5 TO 67.5	0.2104E-03	82.5-157.5	0.1943E-03	15	0- 75	0.1136E-02	90-165	0.1077E-02
30-45.00	0.1820E-01	-7.5 TO 67.5	0.1656E-03	82.5-157.5	0.1454E-03	30	0- 75	0.9582E-03	90-165	0.8614E-03
45-60.00	0.2372E-01	-7.5 TO 67.5	0.1092E-03	82.5-157.5	0.9027E-04	45	0- 75	0.6924E-03	90-165	0.5885E-03
60-75.00	0.2762E-01	-7.5 TO 67.5	0.5202E-04	82.5-157.5	0.3769E-04	60	0- 75	0.3990E-03	90-165	0.3120E-03
75-88.36	0.2637E-01	-7.5 TO 67.5	0.7355E-05	82.5-157.5	0.2472E-05	75	0- 75	0.1240E-03	90-165	0.6526E-04
0-15.00	0.4682E-02	-7.5 TO 82.5	0.2323E-03	82.5-172.5	0.2245E-03	0	0- 90	0.1412E-02	90-180	0.1412E-02
15-30.00	0.1373E-01	-7.5 TO 82.5	0.2092E-03	82.5-172.5	0.1933E-03	15	0- 90	0.1358E-02	90-180	0.1289E-02
30-45.00	0.2184E-01	-7.5 TO 82.5	0.1641E-03	82.5-172.5	0.1442E-03	30	0- 90	0.1141E-02	90-180	0.1028E-02
45-60.00	0.2846E-01	-7.5 TO 82.5	0.1078E-03	82.5-172.5	0.8914E-04	45	0- 90	0.8208E-03	90-180	0.7000E-03
60-75.00	0.3314E-01	-7.5 TO 82.5	0.5093E-04	82.5-172.5	0.3685E-04	60	0- 90	0.4702E-03	90-180	0.3693E-03
75-88.36	0.3164E-01	-7.5 TO 82.5	0.6927E-05	82.5-172.5	0.2258E-05	75	0- 90	0.1429E-03	90-180	0.7498E-04
0-15.00	0.5463E-02	-7.5 TO 97.5	0.2317E-03	82.5-187.5	0.2241E-03	0	0-105	0.1647E-02	90-195	0.1647E-02
15-30.00	0.1602E-01	-7.5 TO 97.5	0.2079E-03	82.5-187.5	0.1925E-03	15	0-105	0.1577E-02	90-195	0.1500E-02
30-45.00	0.2548E-01	-7.5 TO 97.5	0.1624E-03	82.5-187.5	0.1433E-03	30	0-105	0.1319E-02	90-195	0.1194E-02
45-60.00	0.3320E-01	-7.5 TO 97.5	0.1062E-03	82.5-187.5	0.8827E-04	45	0-105	0.9451E-03	90-195	0.8114E-03
60-75.00	0.3867E-01	-7.5 TO 97.5	0.4974E-04	82.5-187.5	0.3621E-04	60	0-105	0.5381E-03	90-195	0.4267E-03
75-88.36	0.3691E-01	-7.5 TO 97.5	0.6492E-05	82.5-187.5	0.2098E-05	75	0-105	0.1596E-03	90-195	0.8470E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(i) Continued. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5257$ $\cosh \mu_2 = 4.3429$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 124.72$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7604E-03	-7.5 TO 7.5	0.4500E-03	82.5- 97.5	0.4325E-03	0	0- 15	0.4467E-03	90-105	0.4467E-03
15-30.00	0.2288E-02	-7.5 TO 7.5	0.4163E-03	82.5- 97.5	0.3802E-03	15	0- 15	0.4442E-03	90-105	0.4154E-03
30-45.00	0.3640E-02	-7.5 TO 7.5	0.3304E-03	82.5- 97.5	0.2905E-03	30	0- 15	0.3858E-03	90-105	0.3380E-03
45-60.00	0.4743E-02	-7.5 TO 7.5	0.2287E-03	82.5- 97.5	0.1850E-03	45	0- 15	0.2874E-03	90-105	0.2354E-03
60-75.00	0.5524E-02	-7.5 TO 7.5	0.1152E-03	82.5- 97.5	0.8181E-04	60	0- 15	0.1725E-03	90-105	0.1285E-03
75-88.36	0.5273E-02	-7.5 TO 7.5	0.2095E-04	82.5- 97.5	0.7630E-05	75	0- 15	0.6134E-04	90-105	0.3142E-04
0-15.00	0.1561E-02	-7.5 TO 22.5	0.4497E-03	82.5-112.5	0.4303E-03	0	0- 30	0.8933E-03	90-120	0.8933E-03
15-30.00	0.4576E-02	-7.5 TO 22.5	0.4157E-03	82.5-112.5	0.3757E-03	15	0- 30	0.8866E-03	90-120	0.8245E-03
30-45.00	0.7280E-02	-7.5 TO 22.5	0.3356E-03	82.5-112.5	0.2850E-03	30	0- 30	0.7685E-03	90-120	0.6658E-03
45-60.00	0.9487E-02	-7.5 TO 22.5	0.2279E-03	82.5-112.5	0.1799E-03	45	0- 30	0.5714E-03	90-120	0.4601E-03
60-75.00	0.1105E-01	-7.5 TO 22.5	0.1146E-03	82.5-112.5	0.7803E-04	60	0- 30	0.3422E-03	90-120	0.2484E-03
75-88.36	0.1055E-01	-7.5 TO 22.5	0.2063E-04	82.5-112.5	0.6535E-05	75	0- 30	0.1206E-03	90-120	0.5720E-04
0-15.00	0.2341E-02	-7.5 TO 37.5	0.4490E-03	82.5-127.5	0.4282E-03	0	0- 45	0.1340E-02	90-135	0.1340E-02
15-30.00	0.6864E-02	-7.5 TO 37.5	0.4142E-03	82.5-127.5	0.3715E-03	15	0- 45	0.1326E-02	90-135	0.1228E-02
30-45.00	0.1092E-01	-7.5 TO 37.5	0.3337E-03	82.5-127.5	0.2798E-03	30	0- 45	0.1145E-02	90-135	0.9849E-03
45-60.00	0.1423E-01	-7.5 TO 37.5	0.2261E-03	82.5-127.5	0.1752E-03	45	0- 45	0.8491E-03	90-135	0.6756E-03
60-75.00	0.1657E-01	-7.5 TO 37.5	0.1132E-03	82.5-127.5	0.7459E-04	60	0- 45	0.5063E-03	90-135	0.3608E-03
75-88.36	0.1582E-01	-7.5 TO 37.5	0.1995E-04	82.5-127.5	0.5545E-05	75	0- 45	0.1761E-03	90-135	0.7824E-04
0-15.00	0.3122E-02	-7.5 TO 52.5	0.4480E-03	82.5-142.5	0.4263E-03	0	0- 60	0.1787E-02	90-150	0.1787E-02
15-30.00	0.9152E-02	-7.5 TO 52.5	0.4120E-03	82.5-142.5	0.3677E-03	15	0- 60	0.1760E-02	90-150	0.1627E-02
30-45.00	0.1456E-01	-7.5 TO 52.5	0.3309E-03	82.5-142.5	0.2752E-03	30	0- 60	0.1514E-02	90-150	0.1297E-02
45-60.00	0.1897E-01	-7.5 TO 52.5	0.2234E-03	82.5-142.5	0.1709E-03	45	0- 60	0.1118E-02	90-150	0.8839E-03
60-75.00	0.2210E-01	-7.5 TO 52.5	0.1111E-03	82.5-142.5	0.7145E-04	60	0- 60	0.6628E-03	90-150	0.4673E-03
75-88.36	0.2109E-01	-7.5 TO 52.5	0.1900E-04	82.5-142.5	0.4742E-05	75	0- 60	0.2263E-03	90-150	0.9563E-04
0-15.00	0.3902E-02	-7.5 TO 67.5	0.4466E-03	82.5-157.5	0.4246E-03	0	0- 75	0.2233E-02	90-165	0.2233E-02
15-30.00	0.1144E-01	-7.5 TO 67.5	0.4092E-03	82.5-157.5	0.3643E-03	15	0- 75	0.2188E-02	90-165	0.2023E-02
30-45.00	0.1820E-01	-7.5 TO 67.5	0.3273E-03	82.5-157.5	0.2711E-03	30	0- 75	0.1874E-02	90-165	0.1604E-02
45-60.00	0.2372E-01	-7.5 TO 67.5	0.2199E-03	82.5-157.5	0.1672E-03	45	0- 75	0.1376E-02	90-165	0.1087E-02
60-75.00	0.2762E-01	-7.5 TO 67.5	0.1084E-03	82.5-157.5	0.6879E-04	60	0- 75	0.8103E-03	90-165	0.5699E-03
75-88.36	0.2637E-01	-7.5 TO 67.5	0.1766E-04	82.5-157.5	0.4150E-05	75	0- 75	0.2704E-03	90-165	0.1105E-03
0-15.00	0.4682E-02	-7.5 TO 82.5	0.4450E-03	82.5-172.5	0.4232E-03	0	0- 90	0.2680E-02	90-180	0.2680E-02
15-30.00	0.1373E-01	-7.5 TO 82.5	0.4059E-03	82.5-172.5	0.3616E-03	15	0- 90	0.2610E-02	90-180	0.2417E-02
30-45.00	0.2184E-01	-7.5 TO 82.5	0.3230E-03	82.5-172.5	0.2678E-03	30	0- 90	0.2222E-02	90-180	0.1909E-02
45-60.00	0.2846E-01	-7.5 TO 82.5	0.2159E-03	82.5-172.5	0.1642E-03	45	0- 90	0.1623E-02	90-180	0.1288E-02
60-75.00	0.3314E-01	-7.5 TO 82.5	0.1053E-03	82.5-172.5	0.6662E-04	60	0- 90	0.9483E-03	90-180	0.6705E-03
75-88.36	0.3164E-01	-7.5 TO 82.5	0.1660E-04	82.5-172.5	0.3713E-05	75	0- 90	0.3081E-03	90-180	0.1242E-03
0-15.00	0.5463E-02	-7.5 TO 97.5	0.4432E-03	82.5-187.5	0.4221E-03	0	0-105	0.3127E-02	90-195	0.3127E-02
15-30.00	0.1602E-01	-7.5 TO 97.5	0.4022E-03	82.5-187.5	0.3594E-03	15	0-105	0.3025E-02	90-195	0.2812E-02
30-45.00	0.2548E-01	-7.5 TO 97.5	0.3184E-03	82.5-187.5	0.2652E-03	30	0-105	0.2560E-02	90-195	0.2213E-02
45-60.00	0.3320E-01	-7.5 TO 97.5	0.2115E-03	82.5-187.5	0.1619E-03	45	0-105	0.1858E-02	90-195	0.1488E-02
60-75.00	0.3867E-01	-7.5 TO 97.5	0.1019E-03	82.5-187.5	0.6494E-04	60	0-105	0.1077E-02	90-195	0.7710E-03
75-88.36	0.3691E-01	-7.5 TO 97.5	0.1532E-04	82.5-187.5	0.3389E-05	75	0-105	0.3395E-03	90-195	0.1379E-03

$r_2/r_1 = 0.80$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5257$ $\cosh \mu_2 = 4.3429$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 107.75$

0-15.00	0.7604E-03	-7.5 TO 7.5	0.6408E-03	82.5- 97.5	0.6085E-03	0	0- 15	0.6281E-03	90-105	0.6281E-03
15-30.00	0.2288E-02	-7.5 TO 7.5	0.6024E-03	82.5- 97.5	0.5355E-03	15	0- 15	0.6363E-03	90-105	0.5831E-03
30-45.00	0.3640E-02	-7.5 TO 7.5	0.4955E-03	82.5- 97.5	0.4102E-03	30	0- 15	0.5629E-03	90-105	0.4743E-03
45-60.00	0.4743E-02	-7.5 TO 7.5	0.3434E-03	82.5- 97.5	0.2622E-03	45	0- 15	0.4271E-03	90-105	0.3306E-03
60-75.00	0.5524E-02	-7.5 TO 7.5	0.1781E-03	82.5- 97.5	0.1166E-03	60	0- 15	0.2621E-03	90-105	0.1808E-03
75-88.36	0.5273E-02	-7.5 TO 7.5	0.3698E-04	82.5- 97.5	0.1115E-04	75	0- 15	0.9855E-04	90-105	0.4432E-04
0-15.00	0.1561E-02	-7.5 TO 22.5	0.6492E-03	82.5-112.5	0.6044E-03	0	0- 30	0.1256E-02	90-120	0.1256E-02
15-30.00	0.4576E-02	-7.5 TO 22.5	0.6012E-03	82.5-112.5	0.5273E-03	15	0- 30	0.1269E-02	90-120	0.1155E-02
30-45.00	0.7280E-02	-7.5 TO 22.5	0.4940E-03	82.5-112.5	0.4002E-03	30	0- 30	0.1120E-02	90-120	0.9303E-03
45-60.00	0.9487E-02	-7.5 TO 22.5	0.3418E-03	82.5-112.5	0.2530E-03	45	0- 30	0.8478E-03	90-120	0.6420E-03
60-75.00	0.1105E-01	-7.5 TO 22.5	0.1769E-03	82.5-112.5	0.1100E-03	60	0- 30	0.5187E-03	90-120	0.3463E-03
75-88.36	0.1055E-01	-7.5 TO 22.5	0.3633E-04	82.5-112.5	0.9271E-05	75	0- 30	0.1933E-03	90-120	0.7904E-04
0-15.00	0.2341E-02	-7.5 TO 37.5	0.6389E-03	82.5-127.5	0.6006E-03	0	0- 45	0.1884E-02	90-135	0.1884E-02
15-30.00	0.6864E-02	-7.5 TO 37.5	0.5985E-03	82.5-127.5	0.5197E-03	15	0- 45	0.1896E-02	90-135	0.1716E-02
30-45.00	0.1092E-01	-7.5 TO 37.5	0.4904E-03	82.5-127.5	0.3908E-03	30	0- 45	0.1666E-02	90-135	0.1370E-02
45-60.00	0.1423E-01	-7.5 TO 37.5	0.3384E-03	82.5-127.5	0.2445E-03	45	0- 45	0.1256E-02	90-135	0.9370E-03
60-75.00	0.1657E-01	-7.5 TO 37.5	0.1743E-03	82.5-127.5	0.1039E-03	60	0- 45	0.7648E-03	90-135	0.4987E-03
75-88.36	0.1582E-01	-7.5 TO 37.5	0.3491E-04	82.5-127.5	0.7630E-05	75	0- 45	0.2808E-03	90-135	0.1059E-03
0-15.00	0.3122E-02	-7.5 TO 52.5	0.6370E-03	82.5-142.5	0.5971E-03	0	0- 60	0.2513E-02	90-150	0.2513E-02
15-30.00	0.9152E-02	-7.5 TO 52.5	0.5944E-03	82.5-142.5	0.5127E-03	15	0- 60	0.2514E-02	90-150	0.2270E-02
30-45.00	0.1456E-01	-7.5 TO 52.5	0.4851E-03	82.5-142.5	0.3824E-03	30	0- 60	0.2198E-02	90-150	0.1798E-02
45-60.00	0.1897E-01	-7.5 TO 52.5	0.3333E-03	82.5-142.5	0.2369E-03	45	0- 60	0.1649E-02	90-150	0.1219E-02
60-75.00	0.2210E-01	-7.5 TO 52.5	0.1703E-03	82.5-142.5	0.9858E-04	60	0- 60	0.9968E-03	90-150	0.6410E-03
75-88.36	0.2109E-01	-7.5 TO 52.5	0.3292E-04	82.5-142.5	0.6397E-05	75	0- 60	0.3586E-03	90-150	0.1268E-03
0-15.00	0.3902E-02	-7.5 TO 67.5	0.6345E-03	82.5-157.5	0.5940E-03	0	0- 75	0.3141E-02	90-165	0.3141E-02
15-30.00	0.1144E-01	-7.5 TO 67.5	0.5892E-03	82.5-157.5	0.5067E-03	15	0- 75	0.3121E-02	90-165	0.2817E-02
30-45.00	0.1820E-01	-7.5 TO 67.5	0.4784E-03	82.5-157.5	0.3751E-03	30	0- 75	0.2711E-02	90-165	0.2216E-02
45-60.00	0.2372E-01	-7.5 TO 67.5	0.3288E-03	82.5-157.5	0.2304E-03	45	0- 75	0.2021E-02	90-165	0.1492E-02
60-75.00	0.2762E-01	-7.5 TO 67.5	0.1653E-03	82.5-157.5	0.9404E-04	60	0- 75	0.1212E-02	90-165	0.7766E-03
75-88.36	0.2637E-01	-7.5 TO 67.5	0.3063E-04	82.5-157.5	0.5517E-05	75	0- 75	0.4254E-03	90-165	0.1438E-03
0-15.00	0.4682E-02	-7.5 TO 82.5	0.6315E-03	82.5-172.5	0.5915E-03	0	0- 90	0.3769E-02	90-180	0.3769E-02
15-30.00	0.1373E-01	-7.5 TO 82.5	0.5830E-03	82.5-172.5	0.5016E-03	15	0- 90	0.3716E-02	90-180	0.3362E-02
30-45.00	0.2184E-01	-7.5 TO 82.5	0.4705E-03	82.5-172.5	0.3691E-03	30	0- 90	0.3205E-02	90-180	0.2630E-02
45-60.00	0.2846E-01	-7.5 TO 82.5	0.3192E-03	82.5-172.5	0.2251E-03	45	0- 90	0.2372E-02	90-180	0.1761E-02
60-75.00	0.3314E-01	-7.5 TO 82.5	0.1596E-03	82.5-172.5	0.9034E-04	60	0- 90	0.1410E-02	90-180	0.9087E-03
75-88.36	0.3164E-01	-7.5 TO 82.5	0.2818E-04	82.5-172.5	0.4874E-05	75	0- 90	0.4806E-03	90-180	0.1588E-03
0-15.00	0.5463E-02	-7.5 TO 97.5	0.6282E-03	82.5-187.5	0.5895E-03	0	0-105	0.4397E-02	90-195	0.4397E-02
15-30.00	0.1602E-01	-7.5 TO 97.5	0.5762E-03	82.5-187.5	0.4978E-03	15	0-105	0.4299E-02	90-195	0.3907E-02
30-45.00	0.2548E-01	-7.5 TO 97.5	0.4619E-03	82.5-187.5	0.3645E-03	30	0-105	0.3679E-02	90-195	0.3044E-02
45-60.00	0.3320E-01	-7.5 TO 97.5	0.3111E-03	82.5-187.5	0.2210E-03	45	0-105	0.2703E-02	90-195	0.2029E-02
60-75.00	0.3867E-01	-7.5 TO 97.5	0.1534E-03	82.5-187.5	0.8751E-04	60	0-105	0.1591E-02	90-195	0.1041E-02
75-88.36	0.3691E-01	-7.5 TO 97.5	0.2575E-04	82.5-187.5	0.4399E-05	75	0-105	0.5249E-03	90-195	0.1739E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(1) Continued. Radius ratio, r_2/r_1, 0.80

r_2/r_1 = 0.80 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5257 $\cosh \mu_2$ = 4.3429 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 91.74

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7604E-03	-7.5 TO 7.5	0.7526E-03	82.5- 97.5	0.7059E-03	0	0- 15	0.7284E-03	90-105	0.7284E-03
15-30.00	0.2288E-02	-7.5 TO 7.5	0.7191E-03	82.5- 97.5	0.6219E-03	15	0- 15	0.7520E-03	90-105	0.6750E-03
30-45.00	0.3640E-02	-7.5 TO 7.5	0.6013E-03	82.5- 97.5	0.4775E-03	30	0- 15	0.6771E-03	90-105	0.5487E-03
45-60.00	0.4743E-02	-7.5 TO 7.5	0.4234E-03	82.5- 97.5	0.3062E-03	45	0- 15	0.5223E-03	90-105	0.3827E-03
60-75.00	0.5524E-02	-7.5 TO 7.5	0.2242E-03	82.5- 97.5	0.1369E-03	60	0- 15	0.3261E-03	90-105	0.2097E-03
75-88.36	0.5273E-02	-7.5 TO 7.5	0.5023E-04	82.5- 97.5	0.1335E-04	75	0- 15	0.1269E-03	90-105	0.5167E-04
0-15.00	0.1561E-02	-7.5 TO 22.5	0.7517E-03	82.5-112.5	0.7000E-03	0	0- 30	0.1457E-02	90-120	0.1457E-02
15-30.00	0.4576E-02	-7.5 TO 22.5	0.7173E-03	82.5-112.5	0.6102E-03	15	0- 30	0.1499E-02	90-120	0.1333E-02
30-45.00	0.7280E-02	-7.5 TO 22.5	0.5990E-03	82.5-112.5	0.4632E-03	30	0- 30	0.1346E-02	90-120	0.1071E-02
45-60.00	0.9487E-02	-7.5 TO 22.5	0.4211E-03	82.5-112.5	0.2932E-03	45	0- 30	0.1035E-02	90-120	0.7383E-03
60-75.00	0.1105E-01	-7.5 TO 22.5	0.2225E-03	82.5-112.5	0.1279E-03	60	0- 30	0.6441E-03	90-120	0.3982E-03
75-88.36	0.1055E-01	-7.5 TO 22.5	0.4929E-04	82.5-112.5	0.1091E-04	75	0- 30	0.2483E-03	90-120	0.9090E-04
0-15.00	0.2341E-02	-7.5 TO 37.5	0.7499E-03	82.5-127.5	0.6945E-03	0	0- 45	0.2185E-02	90-135	0.2185E-02
15-30.00	0.6864E-02	-7.5 TO 37.5	0.7133E-03	82.5-127.5	0.5992E-03	15	0- 45	0.2237E-02	90-135	0.1977E-02
30-45.00	0.1092E-01	-7.5 TO 37.5	0.5938E-03	82.5-127.5	0.4499E-03	30	0- 45	0.1999E-02	90-135	0.1571E-02
45-60.00	0.1423E-01	-7.5 TO 37.5	0.4161E-03	82.5-127.5	0.2814E-03	45	0- 45	0.1531E-02	90-135	0.1071E-02
60-75.00	0.1657E-01	-7.5 TO 37.5	0.2186E-03	82.5-127.5	0.1197E-03	60	0- 45	0.9468E-03	90-135	0.5691E-03
75-88.36	0.1582E-01	-7.5 TO 37.5	0.4720E-04	82.5-127.5	0.8840E-05	75	0- 45	0.3594E-03	90-135	0.1202E-03
0-15.00	0.3122E-02	-7.5 TO 52.5	0.7471E-03	82.5-142.5	0.6895E-03	0	0- 60	0.2914E-02	90-150	0.2914E-02
15-30.00	0.9152E-02	-7.5 TO 52.5	0.7074E-03	82.5-142.5	0.5893E-03	15	0- 60	0.2962E-02	90-150	0.2610E-02
30-45.00	0.1456E-01	-7.5 TO 52.5	0.5861E-03	82.5-142.5	0.4380E-03	30	0- 60	0.2630E-02	90-150	0.2053E-02
45-60.00	0.1897E-01	-7.5 TO 52.5	0.4006E-03	82.5-142.5	0.2709E-03	45	0- 60	0.2002E-02	90-150	0.1386E-02
60-75.00	0.2210E-01	-7.5 TO 52.5	0.2128E-03	82.5-142.5	0.1126E-03	60	0- 60	0.1229E-02	90-150	0.7265E-03
75-88.36	0.2109E-01	-7.5 TO 52.5	0.4427E-04	82.5-142.5	0.7341E-05	75	0- 60	0.4568E-03	90-150	0.1424E-03
0-15.00	0.3902E-02	-7.5 TO 67.5	0.7434E-03	82.5-157.5	0.6851E-03	0	0- 75	0.3642E-02	90-165	0.3642E-02
15-30.00	0.1144E-01	-7.5 TO 67.5	0.6997E-03	82.5-157.5	0.5806E-03	15	0- 75	0.3672E-02	90-165	0.3234E-02
30-45.00	0.1820E-01	-7.5 TO 67.5	0.5762E-03	82.5-157.5	0.4277E-03	30	0- 75	0.3235E-02	90-165	0.2522E-02
45-60.00	0.2372E-01	-7.5 TO 67.5	0.3991E-03	82.5-157.5	0.2619E-03	45	0- 75	0.2444E-02	90-165	0.1688E-02
60-75.00	0.2762E-01	-7.5 TO 67.5	0.2057E-03	82.5-157.5	0.1067E-03	60	0- 75	0.1487E-02	90-165	0.8749E-03
75-88.36	0.2637E-01	-7.5 TO 67.5	0.4090E-04	82.5-157.5	0.6285E-05	75	0- 75	0.5387E-03	90-165	0.1599E-03
0-15.00	0.4682E-02	-7.5 TO 82.5	0.7392E-03	82.5-172.5	0.6814E-03	0	0- 90	0.4371E-02	90-180	0.4371E-02
15-30.00	0.1373E-01	-7.5 TO 82.5	0.6908E-03	82.5-172.5	0.5735E-03	15	0- 90	0.4364E-02	90-180	0.3854E-02
30-45.00	0.2184E-01	-7.5 TO 82.5	0.5647E-03	82.5-172.5	0.4193E-03	30	0- 90	0.3812E-02	90-180	0.2985E-02
45-60.00	0.2846E-01	-7.5 TO 82.5	0.3883E-03	82.5-172.5	0.2546E-03	45	0- 90	0.2857E-02	90-180	0.1984E-02
60-75.00	0.3314E-01	-7.5 TO 82.5	0.1975E-03	82.5-172.5	0.1019E-03	60	0- 90	0.1721E-02	90-180	0.1019E-02
75-88.36	0.3164E-01	-7.5 TO 82.5	0.3739E-04	82.5-172.5	0.5518E-05	75	0- 90	0.6048E-03	90-180	0.1751E-03
0-15.00	0.5463E-02	-7.5 TO 97.5	0.7344E-03	82.5-187.5	0.6786E-03	0	0-105	0.5099E-02	90-195	0.5099E-02
15-30.00	0.1602E-01	-7.5 TO 97.5	0.6809E-03	82.5-187.5	0.5680E-03	15	0-105	0.5039E-02	90-195	0.4474E-02
30-45.00	0.2548E-01	-7.5 TO 97.5	0.5523E-03	82.5-187.5	0.4128E-03	30	0-105	0.4360E-02	90-195	0.3448E-02
45-60.00	0.3320E-01	-7.5 TO 97.5	0.3765E-03	82.5-187.5	0.2489E-03	45	0-105	0.3239E-02	90-195	0.2280E-02
60-75.00	0.3867E-01	-7.5 TO 97.5	0.1889E-03	82.5-187.5	0.9817E-04	60	0-105	0.1931E-02	90-195	0.1163E-02
75-88.36	0.3691E-01	-7.5 TO 97.5	0.3396E-04	82.5-187.5	0.4953E-05	75	0-105	0.6565E-03	90-195	0.1904E-03

r_2/r_1 = 0.80 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5257 $\cosh \mu_2$ = 4.3429 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 76.69

0-15.00	0.7604E-03	-7.5 TO 7.5	0.7712E-03	82.5- 97.5	0.7179E-03	0	0- 15	0.7407E-03	90-105	0.7407E-03
15-30.00	0.2288E-02	-7.5 TO 7.5	0.7455E-03	82.5- 97.5	0.6328E-03	15	0- 15	0.7738E-03	90-105	0.6856E-03
30-45.00	0.3640E-02	-7.5 TO 7.5	0.6318E-03	82.5- 97.5	0.4863E-03	30	0- 15	0.7063E-03	90-105	0.5570E-03
45-60.00	0.4743E-02	-7.5 TO 7.5	0.4506E-03	82.5- 97.5	0.3122E-03	45	0- 15	0.5524E-03	90-105	0.3885E-03
60-75.00	0.5524E-02	-7.5 TO 7.5	0.2416E-03	82.5- 97.5	0.1399E-03	60	0- 15	0.3492E-03	90-105	0.2131E-03
75-88.36	0.5273E-02	-7.5 TO 7.5	0.5573E-04	82.5- 97.5	0.1371E-04	75	0- 15	0.1381E-03	90-105	0.5258E-04
0-15.00	0.1561E-02	-7.5 TO 22.5	0.7703E-03	82.5-112.5	0.7113E-03	0	0- 30	0.1481E-02	90-120	0.1481E-02
15-30.00	0.4576E-02	-7.5 TO 22.5	0.7434E-03	82.5-112.5	0.6197E-03	15	0- 30	0.1542E-02	90-120	0.1353E-02
30-45.00	0.7280E-02	-7.5 TO 22.5	0.6290E-03	82.5-112.5	0.4704E-03	30	0- 30	0.1403E-02	90-120	0.1085E-02
45-60.00	0.9487E-02	-7.5 TO 22.5	0.4479E-03	82.5-112.5	0.2979E-03	45	0- 30	0.1093E-02	90-120	0.7474E-03
60-75.00	0.1105E-01	-7.5 TO 22.5	0.2395E-03	82.5-112.5	0.1301E-03	60	0- 30	0.6885E-03	90-120	0.4032E-03
75-88.36	0.1055E-01	-7.5 TO 22.5	0.5461E-04	82.5-112.5	0.1114E-04	75	0- 30	0.2696E-03	90-120	0.9213E-04
0-15.00	0.2341E-02	-7.5 TO 37.5	0.7681E-03	82.5-127.5	0.7052E-03	0	0- 45	0.2222E-02	90-135	0.2222E-02
15-30.00	0.6864E-02	-7.5 TO 37.5	0.7387E-03	82.5-127.5	0.6075E-03	15	0- 45	0.2299E-02	90-135	0.2004E-02
30-45.00	0.1092E-01	-7.5 TO 37.5	0.6227E-03	82.5-127.5	0.4558E-03	30	0- 45	0.2080E-02	90-135	0.1589E-02
45-60.00	0.1423E-01	-7.5 TO 37.5	0.4417E-03	82.5-127.5	0.2851E-03	45	0- 45	0.1613E-02	90-135	0.1082E-02
60-75.00	0.1657E-01	-7.5 TO 37.5	0.2348E-03	82.5-127.5	0.1214E-03	60	0- 45	0.1009E-02	90-135	0.5747E-03
75-88.36	0.1582E-01	-7.5 TO 37.5	0.5216E-04	82.5-127.5	0.9005E-05	75	0- 45	0.3889E-03	90-135	0.1216E-03
0-15.00	0.3122E-02	-7.5 TO 52.5	0.7649E-03	82.5-142.5	0.6995E-03	0	0- 60	0.2963E-02	90-150	0.2963E-02
15-30.00	0.9152E-02	-7.5 TO 52.5	0.7316E-03	82.5-142.5	0.5966E-03	15	0- 60	0.3042E-02	90-150	0.2643E-02
30-45.00	0.1456E-01	-7.5 TO 52.5	0.6133E-03	82.5-142.5	0.4429E-03	30	0- 60	0.2731E-02	90-150	0.2073E-02
45-60.00	0.1897E-01	-7.5 TO 52.5	0.4325E-03	82.5-142.5	0.2738E-03	45	0- 60	0.2103E-02	90-150	0.1397E-02
60-75.00	0.2210E-01	-7.5 TO 52.5	0.2279E-03	82.5-142.5	0.1139E-03	60	0- 60	0.1305E-02	90-150	0.7323E-03
75-88.36	0.2109E-01	-7.5 TO 52.5	0.4872E-04	82.5-142.5	0.7465E-05	75	0- 60	0.4921E-03	90-150	0.1437E-03
0-15.00	0.3902E-02	-7.5 TO 67.5	0.7607E-03	82.5-157.5	0.6947E-03	0	0- 75	0.3704E-02	90-165	0.3704E-02
15-30.00	0.1144E-01	-7.5 TO 67.5	0.7227E-03	82.5-157.5	0.5872E-03	15	0- 75	0.3766E-02	90-165	0.3272E-02
30-45.00	0.1820E-01	-7.5 TO 67.5	0.6015E-03	82.5-157.5	0.4319E-03	30	0- 75	0.3352E-02	90-165	0.2544E-02
45-60.00	0.2372E-01	-7.5 TO 67.5	0.4211E-03	82.5-157.5	0.2643E-03	45	0- 75	0.2559E-02	90-165	0.1700E-02
60-75.00	0.2762E-01	-7.5 TO 67.5	0.2193E-03	82.5-157.5	0.1077E-03	60	0- 75	0.1573E-02	90-165	0.8807E-03
75-88.36	0.2637E-01	-7.5 TO 67.5	0.4480E-04	82.5-157.5	0.6384E-05	75	0- 75	0.5777E-03	90-165	0.1612E-03
0-15.00	0.4682E-02	-7.5 TO 82.5	0.7558E-03	82.5-172.5	0.6906E-03	0	0- 90	0.4444E-02	90-180	0.4444E-02
15-30.00	0.1373E-01	-7.5 TO 82.5	0.7122E-03	82.5-172.5	0.5795E-03	15	0- 90	0.4472E-02	90-180	0.3897E-02
30-45.00	0.2184E-01	-7.5 TO 82.5	0.5880E-03	82.5-172.5	0.4228E-03	30	0- 90	0.3941E-02	90-180	0.3008E-02
45-60.00	0.2846E-01	-7.5 TO 82.5	0.4082E-03	82.5-172.5	0.2566E-03	45	0- 90	0.2981E-02	90-180	0.1996E-02
60-75.00	0.3314E-01	-7.5 TO 82.5	0.2098E-03	82.5-172.5	0.1027E-03	60	0- 90	0.1813E-02	90-180	0.1025E-02
75-88.36	0.3164E-01	-7.5 TO 82.5	0.4079E-04	82.5-172.5	0.5600E-05	75	0- 90	0.6459E-03	90-180	0.1765E-03
0-15.00	0.5463E-02	-7.5 TO 97.5	0.7504E-03	82.5-187.5	0.6875E-03	0	0-105	0.5185E-02	90-195	0.5185E-02
15-30.00	0.1602E-01	-7.5 TO 97.5	0.7009E-03	82.5-187.5	0.5735E-03	15	0-105	0.5157E-02	90-195	0.4522E-02
30-45.00	0.2548E-01	-7.5 TO 97.5	0.5735E-03	82.5-187.5	0.4159E-03	30	0-105	0.4498E-02	90-195	0.3473E-02
45-60.00	0.3320E-01	-7.5 TO 97.5	0.3945E-03	82.5-187.5	0.2507E-03	45	0-105	0.3370E-02	90-195	0.2293E-02
60-75.00	0.3867E-01	-7.5 TO 97.5	0.1998E-03	82.5-187.5	0.9892E-04	60	0-105	0.2026E-02	90-195	0.1168E-02
75-88.36	0.3691E-01	-7.5 TO 97.5	0.3692E-04	82.5-187.5	0.5024E-05	75	0-105	0.6985E-03	90-195	0.1917E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(1) Continued. Radius ratio, r_2/r_1, 0.80

r_2/r_1 = 0.80 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5257 $\cosh \mu_2$ = 4.3429 $\alpha_{2,max}$ = 91.64 $\theta_{2,min}$ = 75.10

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7604E-03	-7.5 TO 7.5	0.7712E-03	82.5- 97.5	0.7179E-03	0	0- 15	0.7407E-03	90-105	0.7407E-03
15-30.00	0.2288E-02	-7.5 TO 7.5	0.7455E-03	82.5- 97.5	0.6328E-03	15	0- 15	0.7738E-03	90-105	0.6856E-03
30-45.00	0.3640E-02	-7.5 TO 7.5	0.6318E-03	82.5- 97.5	0.4863E-03	30	0- 15	0.7063E-03	90-105	0.5570E-03
45-60.00	0.4743E-02	-7.5 TO 7.5	0.4506E-03	82.5- 97.5	0.3122E-03	45	0- 15	0.5524E-03	90-105	0.3885E-03
60-75.00	0.5524E-02	-7.5 TO 7.5	0.2417E-03	82.5- 97.5	0.1399E-03	60	0- 15	0.3493E-03	90-105	0.2131E-03
75-88.36	0.5273E-02	-7.5 TO 7.5	0.5578E-04	82.5- 97.5	0.1371E-04	75	0- 15	0.1382E-03	90-105	0.5258E-04
0-15.00	0.1561E-02	-7.5 TO 22.5	0.7703E-03	82.5-112.5	0.7113E-03	0	0- 30	0.1481E-02	90-120	0.1481E-02
15-30.00	0.4576E-02	-7.5 TO 22.5	0.7434E-03	82.5-112.5	0.6197E-03	15	0- 30	0.1542E-02	90-120	0.1353E-02
30-45.00	0.7280E-02	-7.5 TO 22.5	0.6290E-03	82.5-112.5	0.4704E-03	30	0- 30	0.1403E-02	90-120	0.1085E-02
45-60.00	0.9487E-02	-7.5 TO 22.5	0.4479E-03	82.5-112.5	0.2979E-03	45	0- 30	0.1093E-02	90-120	0.7474E-03
60-75.00	0.1105E-01	-7.5 TO 22.5	0.2396E-03	82.5-112.5	0.1301E-03	60	0- 30	0.6885E-03	90-120	0.4032E-03
75-88.36	0.1055E-01	-7.5 TO 22.5	0.5465E-04	82.5-112.5	0.1114E-04	75	0- 30	0.2697E-03	90-120	0.9213E-04
0-15.00	0.2341E-02	-7.5 TO 37.5	0.7681E-03	82.5-127.5	0.7052E-03	0	0- 45	0.2222E-02	90-135	0.2222E-02
15-30.00	0.6864E-02	-7.5 TO 37.5	0.7387E-03	82.5-127.5	0.6075E-03	15	0- 45	0.2299E-02	90-135	0.2004E-02
30-45.00	0.1092E-01	-7.5 TO 37.5	0.6227E-03	82.5-127.5	0.4558E-03	30	0- 45	0.2080E-02	90-135	0.1589E-02
45-60.00	0.1423E-01	-7.5 TO 37.5	0.4417E-03	82.5-127.5	0.2851E-03	45	0- 45	0.1613E-02	90-135	0.1082E-02
60-75.00	0.1657E-01	-7.5 TO 37.5	0.2348E-03	82.5-127.5	0.1214E-03	60	0- 45	0.1009E-02	90-135	0.5747E-03
75-88.36	0.1582E-01	-7.5 TO 37.5	0.5219E-04	82.5-127.5	0.9005E-05	75	0- 45	0.3890E-03	90-135	0.1216E-03
0-15.00	0.3122E-02	-7.5 TO 52.5	0.7649E-03	82.5-142.5	0.6995E-03	0	0- 60	0.2963E-02	90-150	0.2963E-02
15-30.00	0.9152E-02	-7.5 TO 52.5	0.7316E-03	82.5-142.5	0.5966E-03	15	0- 60	0.3042E-02	90-150	0.2643E-02
30-45.00	0.1456E-01	-7.5 TO 52.5	0.6133E-03	82.5-142.5	0.4429E-03	30	0- 60	0.2731E-02	90-150	0.2073E-02
45-60.00	0.1897E-01	-7.5 TO 52.5	0.4325E-03	82.5-142.5	0.2738E-03	45	0- 60	0.2103E-02	90-150	0.1397E-02
60-75.00	0.2210E-01	-7.5 TO 52.5	0.2279E-03	82.5-142.5	0.1139E-03	60	0- 60	0.1305E-02	90-150	0.7323E-03
75-88.36	0.2109E-01	-7.5 TO 52.5	0.4874E-04	82.5-142.5	0.7465E-05	75	0- 60	0.4922E-03	90-150	0.1437E-03
0-15.00	0.3903E-02	-7.5 TO 67.5	0.7607E-03	82.5-157.5	0.6947E-03	0	0- 75	0.3704E-02	90-165	0.3704E-02
15-30.00	0.1144E-01	-7.5 TO 67.5	0.7227E-03	82.5-157.5	0.5872E-03	15	0- 75	0.3766E-02	90-165	0.3272E-02
30-45.00	0.1820E-01	-7.5 TO 67.5	0.6015E-03	82.5-157.5	0.4319E-03	30	0- 75	0.3352E-02	90-165	0.2544E-02
45-60.00	0.2372E-01	-7.5 TO 67.5	0.4211E-03	82.5-157.5	0.2643E-03	45	0- 75	0.2559E-02	90-165	0.1700E-02
60-75.00	0.2762E-01	-7.5 TO 67.5	0.2194E-03	82.5-157.5	0.1077E-03	60	0- 75	0.1573E-02	90-165	0.8807E-03
75-88.36	0.2637E-01	-7.5 TO 67.5	0.4482E-04	82.5-157.5	0.6384E-05	75	0- 75	0.5778E-03	90-165	0.1612E-03
0-15.00	0.4682E-02	-7.5 TO 82.5	0.7558E-03	82.5-172.5	0.6906E-03	0	0- 90	0.4444E-02	90-180	0.4444E-02
15-30.00	0.1373E-01	-7.5 TO 82.5	0.7122E-03	82.5-172.5	0.5795E-03	15	0- 90	0.4472E-02	90-180	0.3897E-02
30-45.00	0.2184E-01	-7.5 TO 82.5	0.5880E-03	82.5-172.5	0.4228E-03	30	0- 90	0.3941E-02	90-180	0.3008E-02
45-60.00	0.2846E-01	-7.5 TO 82.5	0.4082E-03	82.5-172.5	0.2566E-03	45	0- 90	0.2981E-02	90-180	0.1996E-02
60-75.00	0.3314E-01	-7.5 TO 82.5	0.2098E-03	82.5-172.5	0.1027E-03	60	0- 90	0.1813E-02	90-180	0.1025E-02
75-88.36	0.3164E-01	-7.5 TO 82.5	0.4080E-04	82.5-172.5	0.5600E-05	75	0- 90	0.6460E-03	90-180	0.1765E-03
0-15.00	0.5463E-02	-7.5 TO 97.5	0.7504E-03	82.5-187.5	0.6875E-03	0	0-105	0.5185E-02	90-195	0.5185E-02
15-30.00	0.1602E-01	-7.5 TO 97.5	0.7009E-03	82.5-187.5	0.5735E-03	15	0-105	0.5157E-02	90-195	0.4522E-02
30-45.00	0.2548E-01	-7.5 TO 97.5	0.5735E-03	82.5-187.5	0.4159E-03	30	0-105	0.4498E-02	90-195	0.3473E-02
45-60.00	0.3320E-01	-7.5 TO 97.5	0.3945E-03	82.5-187.5	0.2507E-03	45	0-105	0.3370E-02	90-195	0.2293E-02
60-75.00	0.3867E-01	-7.5 TO 97.5	0.1998E-03	82.5-187.5	0.9892E-04	60	0-105	0.2026E-02	90-195	0.1168E-02
75-88.36	0.3691E-01	-7.5 TO 97.5	0.3693E-04	82.5-187.5	0.5024E-05	75	0-105	0.6986E-03	90-195	0.1917E-03

r_2/r_1 = 0.80 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0180 $\cosh \mu_2$ = 6.2275 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 162.40

0-15.00	0.3689E-03	-7.5 TO 7.5	0.2589E-04	82.5- 97.5	0.2569E-04	0	0- 15	0.2637E-04	90-105	0.2637E-04
15-30.00	0.1082E-02	-7.5 TO 7.5	0.2351E-04	82.5- 97.5	0.2308E-04	15	0- 15	0.2531E-04	90-105	0.2496E-04
30-45.00	0.1721E-02	-7.5 TO 7.5	0.1898E-04	82.5- 97.5	0.1841E-04	30	0- 15	0.2171E-04	90-105	0.2113E-04
45-60.00	0.2242E-02	-7.5 TO 7.5	0.1312E-04	82.5- 97.5	0.1254E-04	45	0- 15	0.1632E-04	90-105	0.1565E-04
60-75.00	0.2611E-02	-7.5 TO 7.5	0.6832E-05	82.5- 97.5	0.6347E-05	60	0- 15	0.1006E-04	90-105	0.9444E-05
75-88.85	0.2586E-02	-7.5 TO 7.5	0.1262E-05	82.5- 97.5	0.1048E-05	75	0- 15	0.3767E-05	90-105	0.3301E-05
0-15.00	0.7378E-03	-7.5 TO 22.5	0.2589E-04	82.5-112.5	0.2566E-04	0	0- 30	0.5275E-04	90-120	0.5275E-04
15-30.00	0.2163E-02	-7.5 TO 22.5	0.2350E-04	82.5-112.5	0.2302E-04	15	0- 30	0.5059E-04	90-120	0.4985E-04
30-45.00	0.3441E-02	-7.5 TO 22.5	0.1897E-04	82.5-112.5	0.1833E-04	30	0- 30	0.4339E-04	90-120	0.4213E-04
45-60.00	0.4485E-02	-7.5 TO 22.5	0.1311E-04	82.5-112.5	0.1247E-04	45	0- 30	0.3260E-04	90-120	0.3115E-04
60-75.00	0.5223E-02	-7.5 TO 22.5	0.6824E-05	82.5-112.5	0.6286E-05	60	0- 30	0.2008E-04	90-120	0.1875E-04
75-88.85	0.5171E-02	-7.5 TO 22.5	0.1258E-05	82.5-112.5	0.1021E-05	75	0- 30	0.7506E-05	90-120	0.6500E-05
0-15.00	0.1107E-02	-7.5 TO 37.5	0.2588E-04	82.5-127.5	0.2563E-04	0	0- 45	0.7912E-04	90-135	0.7912E-04
15-30.00	0.3245E-02	-7.5 TO 37.5	0.2348E-04	82.5-127.5	0.2297E-04	15	0- 45	0.7584E-04	90-135	0.7467E-04
30-45.00	0.5162E-02	-7.5 TO 37.5	0.1895E-04	82.5-127.5	0.1826E-04	30	0- 45	0.6500E-04	90-135	0.6302E-04
45-60.00	0.6727E-02	-7.5 TO 37.5	0.1309E-04	82.5-127.5	0.1240E-04	45	0- 45	0.4880E-04	90-135	0.4652E-04
60-75.00	0.7834E-02	-7.5 TO 37.5	0.6805E-05	82.5-127.5	0.6228E-05	60	0- 45	0.3003E-04	90-135	0.2794E-04
75-88.85	0.7757E-02	-7.5 TO 37.5	0.1250E-05	82.5-127.5	0.9952E-06	75	0- 45	0.1119E-04	90-135	0.9610E-05
0-15.00	0.1476E-02	-7.5 TO 52.5	0.2587E-04	82.5-142.5	0.2561E-04	0	0- 60	0.1055E-03	90-150	0.1055E-03
15-30.00	0.4326E-02	-7.5 TO 52.5	0.2346E-04	82.5-142.5	0.2292E-04	15	0- 60	0.1010E-03	90-150	0.9944E-04
30-45.00	0.6882E-02	-7.5 TO 52.5	0.1891E-04	82.5-142.5	0.1820E-04	30	0- 60	0.8651E-04	90-150	0.8381E-04
45-60.00	0.8969E-02	-7.5 TO 52.5	0.1305E-04	82.5-142.5	0.1233E-04	45	0- 60	0.6489E-04	90-150	0.6178E-04
60-75.00	0.1045E-01	-7.5 TO 52.5	0.6775E-05	82.5-142.5	0.6175E-05	60	0- 60	0.3987E-04	90-150	0.3703E-04
75-88.85	0.1034E-01	-7.5 TO 52.5	0.1237E-05	82.5-142.5	0.9720E-06	75	0- 60	0.1479E-04	90-150	0.1265E-04
0-15.00	0.1845E-02	-7.5 TO 67.5	0.2585E-04	82.5-157.5	0.2559E-04	0	0- 75	0.1319E-03	90-165	0.1319E-03
15-30.00	0.5408E-02	-7.5 TO 67.5	0.2342E-04	82.5-157.5	0.2288E-04	15	0- 75	0.1261E-03	90-165	0.1242E-03
30-45.00	0.8603E-02	-7.5 TO 67.5	0.1887E-04	82.5-157.5	0.1814E-04	30	0- 75	0.1079E-03	90-165	0.1045E-03
45-60.00	0.1121E-01	-7.5 TO 67.5	0.1301E-04	82.5-157.5	0.1228E-04	45	0- 75	0.8084E-04	90-165	0.7697E-04
60-75.00	0.1306E-01	-7.5 TO 67.5	0.6738E-05	82.5-157.5	0.6129E-05	60	0- 75	0.4959E-04	90-165	0.4606E-04
75-88.85	0.1293E-01	-7.5 TO 67.5	0.1220E-05	82.5-157.5	0.9517E-06	75	0- 75	0.1830E-04	90-165	0.1563E-04
0-15.00	0.2214E-02	-7.5 TO 82.5	0.2583E-04	82.5-172.5	0.2557E-04	0	0- 90	0.1582E-03	90-180	0.1582E-03
15-30.00	0.6490E-02	-7.5 TO 82.5	0.2339E-04	82.5-172.5	0.2284E-04	15	0- 90	0.1512E-03	90-180	0.1489E-03
30-45.00	0.1032E-01	-7.5 TO 82.5	0.1881E-04	82.5-172.5	0.1810E-04	30	0- 90	0.1292E-03	90-180	0.1252E-03
45-60.00	0.1345E-01	-7.5 TO 82.5	0.1296E-04	82.5-172.5	0.1223E-04	45	0- 90	0.9665E-04	90-180	0.9212E-04
60-75.00	0.1567E-01	-7.5 TO 82.5	0.6693E-05	82.5-172.5	0.6090E-05	60	0- 90	0.5918E-04	90-180	0.5505E-04
75-88.85	0.1551E-01	-7.5 TO 82.5	0.1201E-05	82.5-172.5	0.9348E-06	75	0- 90	0.2171E-04	90-180	0.1859E-04
0-15.00	0.2582E-02	-7.5 TO 97.5	0.2581E-04	82.5-187.5	0.2556E-04	0	0-105	0.1846E-03	90-195	0.1846E-03
15-30.00	0.7571E-02	-7.5 TO 97.5	0.2334E-04	82.5-187.5	0.2281E-04	15	0-105	0.1762E-03	90-195	0.1736E-03
30-45.00	0.1204E-01	-7.5 TO 97.5	0.1876E-04	82.5-187.5	0.1806E-04	30	0-105	0.1503E-03	90-195	0.1459E-03
45-60.00	0.1570E-01	-7.5 TO 97.5	0.1290E-04	82.5-187.5	0.1219E-04	45	0-105	0.1123E-03	90-195	0.1073E-03
60-75.00	0.1828E-01	-7.5 TO 97.5	0.6644E-05	82.5-187.5	0.6060E-05	60	0-105	0.6862E-04	90-195	0.6403E-04
75-88.85	0.1810E-01	-7.5 TO 97.5	0.1179E-05	82.5-187.5	0.9218E-06	75	0-105	0.2501E-04	90-195	0.2155E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(1) Continued. Radius ratio, r_2/r_1, 0.80

r_2/r_1 = 0.80 d/r_1 = 10.000 cosh μ_1 = 5.0180 cosh μ_2 = 6.2275 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 145.02

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3689E-03	-7.5 TO 7.5	0.9537E-04	82.5- 97.5	0.9387E-04	0	0- 15	0.9638E-04	90-105	0.9638E-04
15-30.00	0.1082E-02	-7.5 TO 7.5	0.8751E-04	82.5- 97.5	0.8436E-04	15	0- 15	0.9358E-04	90-105	0.9110E-04
30-45.00	0.1721E-02	-7.5 TO 7.5	0.7150E-04	82.5- 97.5	0.6733E-04	30	0- 15	0.8127E-04	90-105	0.7703E-04
45-60.00	0.2242E-02	-7.5 TO 7.5	0.5015E-04	82.5- 97.5	0.4591E-04	45	0- 15	0.6188E-04	90-105	0.5699E-04
60-75.00	0.2611E-02	-7.5 TO 7.5	0.2680E-04	82.5- 97.5	0.2327E-04	60	0- 15	0.3882E-04	90-105	0.3435E-04
75-88.85	0.2566E-02	-7.5 TO 7.5	0.5565E-05	82.5- 97.5	0.3857E-05	75	0- 15	0.1532E-04	90-105	0.1194E-04
0-15.00	0.7378E-03	-7.5 TO 22.5	0.9534E-04	82.5-112.5	0.9368E-04	0	0- 30	0.1928E-03	90-120	0.1928E-03
15-30.00	0.2163E-02	-7.5 TO 22.5	0.8745E-04	82.5-112.5	0.8396E-04	15	0- 30	0.1870E-03	90-120	0.1817E-03
30-45.00	0.3441E-02	-7.5 TO 22.5	0.7143E-04	82.5-112.5	0.6680E-04	30	0- 30	0.1623E-03	90-120	0.1531E-03
45-60.00	0.4485E-02	-7.5 TO 22.5	0.5008E-04	82.5-112.5	0.4539E-04	45	0- 30	0.1235E-03	90-120	0.1129E-03
60-75.00	0.5223E-02	-7.5 TO 22.5	0.2674E-04	82.5-112.5	0.2284E-04	60	0- 30	0.7737E-04	90-120	0.6774E-04
75-88.85	0.5171E-02	-7.5 TO 22.5	0.5527E-05	82.5-112.5	0.3669E-05	75	0- 30	0.3043E-04	90-120	0.2317E-04
0-15.00	0.1107E-02	-7.5 TO 37.5	0.9529E-04	82.5-127.5	0.9350E-04	0	0- 45	0.2891E-03	90-135	0.2891E-03
15-30.00	0.3245E-02	-7.5 TO 37.5	0.8733E-04	82.5-127.5	0.8358E-04	15	0- 45	0.2801E-03	90-135	0.2717E-03
30-45.00	0.5162E-02	-7.5 TO 37.5	0.7126E-04	82.5-127.5	0.6631E-04	30	0- 45	0.2428E-03	90-135	0.2284E-03
45-60.00	0.6727E-02	-7.5 TO 37.5	0.4991E-04	82.5-127.5	0.4489E-04	45	0- 45	0.1845E-03	90-135	0.1679E-03
60-75.00	0.7834E-02	-7.5 TO 37.5	0.2660E-04	82.5-127.5	0.2243E-04	60	0- 45	0.1154E-03	90-135	0.1003E-03
75-88.85	0.7757E-02	-7.5 TO 37.5	0.5443E-05	82.5-127.5	0.3492E-05	75	0- 45	0.4513E-04	90-135	0.3378E-04
0-15.00	0.1476E-02	-7.5 TO 52.5	0.9520E-04	82.5-142.5	0.9333E-04	0	0- 60	0.3855E-03	90-150	0.3855E-03
15-30.00	0.4326E-02	-7.5 TO 52.5	0.8714E-04	82.5-142.5	0.8323E-04	15	0- 60	0.3729E-03	90-150	0.3614E-03
30-45.00	0.6882E-02	-7.5 TO 52.5	0.7101E-04	82.5-142.5	0.6585E-04	30	0- 60	0.3226E-03	90-150	0.3030E-03
45-60.00	0.8969E-02	-7.5 TO 52.5	0.4965E-04	82.5-142.5	0.4443E-04	45	0- 60	0.2446E-03	90-150	0.2222E-03
60-75.00	0.1045E-01	-7.5 TO 52.5	0.2638E-04	82.5-142.5	0.2206E-04	60	0- 60	0.1526E-03	90-150	0.1322E-03
75-88.85	0.1034E-01	-7.5 TO 52.5	0.5322E-05	82.5-142.5	0.3331E-05	75	0- 60	0.5926E-04	90-150	0.4390E-04
0-15.00	0.1845E-02	-7.5 TO 67.5	0.9508E-04	82.5-157.5	0.9318E-04	0	0- 75	0.4819E-03	90-165	0.4819E-03
15-30.00	0.5408E-02	-7.5 TO 67.5	0.8690E-04	82.5-157.5	0.8293E-04	15	0- 75	0.4651E-03	90-165	0.4508E-03
30-45.00	0.8603E-02	-7.5 TO 67.5	0.7069E-04	82.5-157.5	0.6545E-04	30	0- 75	0.4015E-03	90-165	0.3771E-03
45-60.00	0.1121E-01	-7.5 TO 67.5	0.4932E-04	82.5-157.5	0.4404E-04	45	0- 75	0.3038E-03	90-165	0.2759E-03
60-75.00	0.1306E-01	-7.5 TO 67.5	0.2611E-04	82.5-157.5	0.2173E-04	60	0- 75	0.1890E-03	90-165	0.1636E-03
75-88.85	0.1293E-01	-7.5 TO 67.5	0.5181E-05	82.5-157.5	0.3192E-05	75	0- 75	0.7270E-04	90-165	0.5366E-04
0-15.00	0.2214E-02	-7.5 TO 82.5	0.9494E-04	82.5-172.5	0.9306E-04	0	0- 90	0.5783E-03	90-180	0.5783E-03
15-30.00	0.6490E-02	-7.5 TO 82.5	0.8681E-04	82.5-172.5	0.8267E-04	15	0- 90	0.5568E-03	90-180	0.5400E-03
30-45.00	0.1032E-01	-7.5 TO 82.5	0.7030E-04	82.5-172.5	0.6512E-04	30	0- 90	0.4795E-03	90-180	0.4510E-03
45-60.00	0.1345E-01	-7.5 TO 82.5	0.4893E-04	82.5-172.5	0.4371E-04	45	0- 90	0.3619E-03	90-180	0.3293E-03
60-75.00	0.1567E-01	-7.5 TO 82.5	0.2578E-04	82.5-172.5	0.2146E-04	60	0- 90	0.2243E-03	90-180	0.1947E-03
75-88.85	0.1551E-01	-7.5 TO 82.5	0.5025E-05	82.5-172.5	0.3079E-05	75	0- 90	0.8540E-04	90-180	0.6325E-04
0-15.00	0.2582E-02	-7.5 TO 97.5	0.9479E-04	82.5-187.5	0.9297E-04	0	0-105	0.6747E-03	90-195	0.6747E-03
15-30.00	0.7571E-02	-7.5 TO 97.5	0.8629E-04	82.5-187.5	0.8248E-04	15	0-105	0.6479E-03	90-195	0.6292E-03
30-45.00	0.1204E-01	-7.5 TO 97.5	0.6988E-04	82.5-187.5	0.6487E-04	30	0-105	0.5566E-03	90-195	0.5249E-03
45-60.00	0.1570E-01	-7.5 TO 97.5	0.4850E-04	82.5-187.5	0.4345E-04	45	0-105	0.4189E-03	90-195	0.3827E-03
60-75.00	0.1828E-01	-7.5 TO 97.5	0.2542E-04	82.5-187.5	0.2120E-04	60	0-105	0.2587E-03	90-195	0.2259E-03
75-88.85	0.1810E-01	-7.5 TO 97.5	0.4858E-05	82.5-187.5	0.2992E-05	75	0-105	0.9734E-04	90-195	0.7284E-04

r_2/r_1 = 0.80 d/r_1 = 10.000 cosh μ_1 = 5.0180 cosh μ_2 = 6.2275 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 128.06

0-15.00	0.3689E-03	-7.5 TO 7.5	0.1861E-03	82.5- 97.5	0.1818E-03	0	0- 15	0.1866E-03	90-105	0.1866E-03
15-30.00	0.1082E-02	-7.5 TO 7.5	0.1725E-03	82.5- 97.5	0.1634E-03	15	0- 15	0.1833E-03	90-105	0.1761E-03
30-45.00	0.1721E-02	-7.5 TO 7.5	0.1425E-03	82.5- 97.5	0.1305E-03	30	0- 15	0.1610E-03	90-105	0.1488E-03
45-60.00	0.2242E-02	-7.5 TO 7.5	0.1013E-03	82.5- 97.5	0.8912E-04	45	0- 15	0.1241E-03	90-105	0.1101E-03
60-75.00	0.2611E-02	-7.5 TO 7.5	0.5536E-04	82.5- 97.5	0.4527E-04	60	0- 15	0.7911E-04	90-105	0.6630E-04
75-88.85	0.2566E-02	-7.5 TO 7.5	0.1282E-04	82.5- 97.5	0.7551E-05	75	0- 15	0.3254E-04	90-105	0.2299E-04
0-15.00	0.7378E-03	-7.5 TO 22.5	0.1860E-03	82.5-112.5	0.1812E-03	0	0- 30	0.3732E-03	90-120	0.3732E-03
15-30.00	0.2163E-02	-7.5 TO 22.5	0.1723E-03	82.5-112.5	0.1623E-03	15	0- 30	0.3661E-03	90-120	0.3507E-03
30-45.00	0.3441E-02	-7.5 TO 22.5	0.1423E-03	82.5-112.5	0.1290E-03	30	0- 30	0.3213E-03	90-120	0.2950E-03
45-60.00	0.4485E-02	-7.5 TO 22.5	0.1011E-03	82.5-112.5	0.8763E-04	45	0- 30	0.2473E-03	90-120	0.2171E-03
60-75.00	0.5223E-02	-7.5 TO 22.5	0.5518E-04	82.5-112.5	0.4406E-04	60	0- 30	0.1574E-03	90-120	0.1299E-03
75-88.85	0.5171E-02	-7.5 TO 22.5	0.1270E-04	82.5-112.5	0.7036E-05	75	0- 30	0.6447E-04	90-120	0.4403E-04
0-15.00	0.1107E-02	-7.5 TO 37.5	0.1858E-03	82.5-127.5	0.1807E-03	0	0- 45	0.5598E-03	90-135	0.5598E-03
15-30.00	0.3245E-02	-7.5 TO 37.5	0.1720E-03	82.5-127.5	0.1612E-03	15	0- 45	0.5481E-03	90-135	0.5239E-03
30-45.00	0.5162E-02	-7.5 TO 37.5	0.1419E-03	82.5-127.5	0.1276E-03	30	0- 45	0.4801E-03	90-135	0.4388E-03
45-60.00	0.6727E-02	-7.5 TO 37.5	0.1006E-03	82.5-127.5	0.8623E-04	45	0- 45	0.3689E-03	90-135	0.3215E-03
60-75.00	0.7834E-02	-7.5 TO 37.5	0.5476E-04	82.5-127.5	0.4293E-04	60	0- 45	0.2341E-03	90-135	0.1912E-03
75-88.85	0.7757E-02	-7.5 TO 37.5	0.1244E-04	82.5-127.5	0.6557E-05	75	0- 45	0.9521E-04	90-135	0.6339E-04
0-15.00	0.1476E-02	-7.5 TO 52.5	0.1856E-03	82.5-142.5	0.1802E-03	0	0- 60	0.7464E-03	90-150	0.7464E-03
15-30.00	0.4326E-02	-7.5 TO 52.5	0.1714E-03	82.5-142.5	0.1602E-03	15	0- 60	0.7289E-03	90-150	0.6959E-03
30-45.00	0.6882E-02	-7.5 TO 52.5	0.1411E-03	82.5-142.5	0.1263E-03	30	0- 60	0.6369E-03	90-150	0.5807E-03
45-60.00	0.8969E-02	-7.5 TO 52.5	0.9986E-04	82.5-142.5	0.8496E-04	45	0- 60	0.4881E-03	90-150	0.4238E-03
60-75.00	0.1045E-01	-7.5 TO 52.5	0.5414E-04	82.5-142.5	0.4191E-04	60	0- 60	0.3087E-03	90-150	0.2506E-03
75-88.85	0.1034E-01	-7.5 TO 52.5	0.1206E-04	82.5-142.5	0.6134E-05	75	0- 60	0.1243E-03	90-150	0.8143E-04
0-15.00	0.1845E-02	-7.5 TO 67.5	0.1852E-03	82.5-157.5	0.1798E-03	0	0- 75	0.9330E-03	90-165	0.9330E-03
15-30.00	0.5408E-02	-7.5 TO 67.5	0.1707E-03	82.5-157.5	0.1593E-03	15	0- 75	0.9083E-03	90-165	0.8672E-03
30-45.00	0.8603E-02	-7.5 TO 67.5	0.1402E-03	82.5-157.5	0.1252E-03	30	0- 75	0.7912E-03	90-165	0.7213E-03
45-60.00	0.1121E-01	-7.5 TO 67.5	0.9890E-04	82.5-157.5	0.8385E-04	45	0- 75	0.6044E-03	90-165	0.5247E-03
60-75.00	0.1306E-01	-7.5 TO 67.5	0.5334E-04	82.5-157.5	0.4102E-04	60	0- 75	0.3807E-03	90-165	0.3087E-03
75-88.85	0.1293E-01	-7.5 TO 67.5	0.1159E-04	82.5-157.5	0.5783E-05	75	0- 75	0.1515E-03	90-165	0.9854E-04
0-15.00	0.2214E-02	-7.5 TO 82.5	0.1848E-03	82.5-172.5	0.1794E-03	0	0- 90	0.1120E-02	90-180	0.1120E-02
15-30.00	0.6490E-02	-7.5 TO 82.5	0.1699E-03	82.5-172.5	0.1586E-03	15	0- 90	0.1086E-02	90-180	0.1038E-02
30-45.00	0.1032E-01	-7.5 TO 82.5	0.1391E-03	82.5-172.5	0.1243E-03	30	0- 90	0.9427E-03	90-180	0.8612E-03
45-60.00	0.1345E-01	-7.5 TO 82.5	0.9778E-04	82.5-172.5	0.8294E-04	45	0- 90	0.7176E-03	90-180	0.6247E-03
60-75.00	0.1567E-01	-7.5 TO 82.5	0.5241E-04	82.5-172.5	0.4029E-04	60	0- 90	0.4498E-03	90-180	0.3662E-03
75-88.85	0.1551E-01	-7.5 TO 82.5	0.1110E-04	82.5-172.5	0.5501E-05	75	0- 90	0.1766E-03	90-180	0.1152E-03
0-15.00	0.2582E-02	-7.5 TO 97.5	0.1844E-03	82.5-187.5	0.1792E-03	0	0-105	0.1306E-02	90-195	0.1306E-02
15-30.00	0.7571E-02	-7.5 TO 97.5	0.1689E-03	82.5-187.5	0.1580E-03	15	0-105	0.1262E-02	90-195	0.1209E-02
30-45.00	0.1204E-01	-7.5 TO 97.5	0.1379E-03	82.5-187.5	0.1236E-03	30	0-105	0.1092E-02	90-195	0.1001E-02
45-60.00	0.1570E-01	-7.5 TO 97.5	0.9654E-04	82.5-187.5	0.8223E-04	45	0-105	0.8277E-03	90-195	0.7248E-03
60-75.00	0.1828E-01	-7.5 TO 97.5	0.5139E-04	82.5-187.5	0.3973E-04	60	0-105	0.5161E-03	90-195	0.4237E-03
75-88.85	0.1810E-01	-7.5 TO 97.5	0.1059E-04	82.5-187.5	0.5286E-05	75	0-105	0.1996E-03	90-195	0.1318E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(i) Continued. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0180$ $\cosh \mu_2 = 6.2275$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 111.66$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3689E-03	-7.5 TO 7.5	0.2699E-03	82.5- 97.5	0.2617E-03	0	0- 15	0.2687E-03	90-105	0.2687E-03
15-30.00	0.1082E-02	-7.5 TO 7.5	0.2527E-03	82.5- 97.5	0.2354E-03	15	0- 15	0.2669E-03	90-105	0.2533E-03
30-45.00	0.1721E-02	-7.5 TO 7.5	0.2112E-03	82.5- 97.5	0.1882E-03	30	0- 15	0.2372E-03	90-105	0.2139E-03
45-60.00	0.2242E-02	-7.5 TO 7.5	0.1519E-03	82.5- 97.5	0.1287E-03	45	0- 15	0.1849E-03	90-105	0.1581E-03
60-75.00	0.2611E-02	-7.5 TO 7.5	0.8443E-04	82.5- 97.5	0.6554E-04	60	0- 15	0.1194E-03	90-105	0.9527E-04
75-88.85	0.2586E-02	-7.5 TO 7.5	0.2107E-04	82.5- 97.5	0.1101E-04	75	0- 15	0.5064E-04	90-105	0.3301E-04
0-15.00	0.7378E-03	-7.5 TO 22.5	0.2698E-03	82.5-112.5	0.2607E-03	0	0- 30	0.5373E-03	90-120	0.5373E-03
15-30.00	0.2163E-02	-7.5 TO 22.5	0.2524E-03	82.5-112.5	0.2333E-03	15	0- 30	0.5330E-03	90-120	0.5037E-03
30-45.00	0.3441E-02	-7.5 TO 22.5	0.2108E-03	82.5-112.5	0.1854E-03	30	0- 30	0.4729E-03	90-120	0.4227E-03
45-60.00	0.4485E-02	-7.5 TO 22.5	0.1514E-03	82.5-112.5	0.1259E-03	45	0- 30	0.3680E-03	90-120	0.3107E-03
60-75.00	0.5223E-02	-7.5 TO 22.5	0.8409E-04	82.5-112.5	0.6333E-04	60	0- 30	0.2373E-03	90-120	0.1856E-03
75-88.85	0.5171E-02	-7.5 TO 22.5	0.2085E-04	82.5-112.5	0.1010E-04	75	0- 30	0.1001E-03	90-120	0.6257E-04
0-15.00	0.1107E-02	-7.5 TO 37.5	0.2695E-03	82.5-127.5	0.2597E-03	0	0- 45	0.8060E-03	90-135	0.8060E-03
15-30.00	0.3245E-02	-7.5 TO 37.5	0.2518E-03	82.5-127.5	0.2312E-03	15	0- 45	0.7974E-03	90-135	0.7514E-03
30-45.00	0.5162E-02	-7.5 TO 37.5	0.2098E-03	82.5-127.5	0.1828E-03	30	0- 45	0.7058E-03	90-135	0.6272E-03
45-60.00	0.6727E-02	-7.5 TO 37.5	0.1505E-03	82.5-127.5	0.1233E-03	45	0- 45	0.5480E-03	90-135	0.4583E-03
60-75.00	0.7834E-02	-7.5 TO 37.5	0.8330E-04	82.5-127.5	0.6128E-04	60	0- 45	0.3522E-03	90-135	0.2717E-03
75-88.85	0.7757E-02	-7.5 TO 37.5	0.2035E-04	82.5-127.5	0.9264E-05	75	0- 45	0.1474E-03	90-135	0.8918E-04
0-15.00	0.1476E-02	-7.5 TO 52.5	0.2690E-03	82.5-142.5	0.2588E-03	0	0- 60	0.1075E-02	90-150	0.1075E-02
15-30.00	0.4326E-02	-7.5 TO 52.5	0.2507E-03	82.5-142.5	0.2293E-03	15	0- 60	0.1060E-02	90-150	0.9969E-03
30-45.00	0.6882E-02	-7.5 TO 52.5	0.2085E-03	82.5-142.5	0.1804E-03	30	0- 60	0.9348E-03	90-150	0.8281E-03
45-60.00	0.8969E-02	-7.5 TO 52.5	0.1491E-03	82.5-142.5	0.1210E-03	45	0- 60	0.7234E-03	90-150	0.6020E-03
60-75.00	0.1045E-01	-7.5 TO 52.5	0.8212E-04	82.5-142.5	0.5944E-04	60	0- 60	0.4629E-03	90-150	0.3544E-03
75-88.85	0.1034E-01	-7.5 TO 52.5	0.1963E-04	82.5-142.5	0.8548E-05	75	0- 60	0.1916E-03	90-150	0.1135E-03
0-15.00	0.1845E-02	-7.5 TO 67.5	0.2684E-03	82.5-157.5	0.2580E-03	0	0- 75	0.1343E-02	90-165	0.1343E-02
15-30.00	0.5408E-02	-7.5 TO 67.5	0.2494E-03	82.5-157.5	0.2277E-03	15	0- 75	0.1319E-02	90-165	0.1241E-02
30-45.00	0.8603E-02	-7.5 TO 67.5	0.2067E-03	82.5-157.5	0.1783E-03	30	0- 75	0.1159E-02	90-165	0.1026E-02
45-60.00	0.1121E-01	-7.5 TO 67.5	0.1472E-03	82.5-157.5	0.1190E-03	45	0- 75	0.8934E-03	90-165	0.7430E-03
60-75.00	0.1306E-01	-7.5 TO 67.5	0.8082E-04	82.5-157.5	0.5786E-04	60	0- 75	0.5688E-03	90-165	0.4348E-03
75-88.85	0.1293E-01	-7.5 TO 67.5	0.1873E-04	82.5-157.5	0.7962E-05	75	0- 75	0.2322E-03	90-165	0.1362E-03
0-15.00	0.2214E-02	-7.5 TO 82.5	0.2676E-03	82.5-172.5	0.2573E-03	0	0- 90	0.1612E-02	90-180	0.1612E-02
15-30.00	0.6490E-02	-7.5 TO 82.5	0.2478E-03	82.5-172.5	0.2264E-03	15	0- 90	0.1576E-02	90-180	0.1484E-02
30-45.00	0.1032E-01	-7.5 TO 82.5	0.2045E-03	82.5-172.5	0.1765E-03	30	0- 90	0.1378E-02	90-180	0.1224E-02
45-60.00	0.1345E-01	-7.5 TO 82.5	0.1451E-03	82.5-172.5	0.1173E-03	45	0- 90	0.1057E-02	90-180	0.8826E-03
60-75.00	0.1567E-01	-7.5 TO 82.5	0.7888E-04	82.5-172.5	0.5655E-04	60	0- 90	0.6694E-03	90-180	0.5140E-03
75-88.85	0.1551E-01	-7.5 TO 82.5	0.1776E-04	82.5-172.5	0.7495E-05	75	0- 90	0.2690E-03	90-180	0.1582E-03
0-15.00	0.2582E-02	-7.5 TO 97.5	0.2668E-03	82.5-187.5	0.2568E-03	0	0-105	0.1881E-02	90-195	0.1881E-02
15-30.00	0.7571E-02	-7.5 TO 97.5	0.2460E-03	82.5-187.5	0.2253E-03	15	0-105	0.1829E-02	90-195	0.1727E-02
30-45.00	0.1204E-01	-7.5 TO 97.5	0.2022E-03	82.5-187.5	0.1752E-03	30	0-105	0.1592E-02	90-195	0.1421E-02
45-60.00	0.1570E-01	-7.5 TO 97.5	0.1428E-03	82.5-187.5	0.1160E-03	45	0-105	0.1216E-02	90-195	0.1022E-02
60-75.00	0.1828E-01	-7.5 TO 97.5	0.7697E-04	82.5-187.5	0.5555E-04	60	0-105	0.7646E-03	90-195	0.5932E-03
75-88.85	0.1810E-01	-7.5 TO 97.5	0.1680E-04	82.5-187.5	0.7139E-05	75	0-105	0.3020E-03	90-195	0.1801E-03

$r_2/r_1 = 0.80$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0180$ $\cosh \mu_2 = 6.2275$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 95.88$

0-15.00	0.3689E-03	-7.5 TO 7.5	0.3234E-03	82.5- 97.5	0.3111E-03	0	0- 15	0.3193E-03	90-105	0.3193E-03
15-30.00	0.1082E-02	-7.5 TO 7.5	0.3059E-03	82.5- 97.5	0.2800E-03	15	0- 15	0.3210E-03	90-105	0.3007E-03
30-45.00	0.1721E-02	-7.5 TO 7.5	0.2583E-03	82.5- 97.5	0.2241E-03	30	0- 15	0.2885E-03	90-105	0.2537E-03
45-60.00	0.2242E-02	-7.5 TO 7.5	0.1877E-03	82.5- 97.5	0.1535E-03	45	0- 15	0.2273E-03	90-105	0.1875E-03
60-75.00	0.2611E-02	-7.5 TO 7.5	0.1057E-03	82.5- 97.5	0.7830E-04	60	0- 15	0.1484E-03	90-105	0.1130E-03
75-88.85	0.2586E-02	-7.5 TO 7.5	0.2755E-04	82.5- 97.5	0.1323E-04	75	0- 15	0.6420E-04	90-105	0.3920E-04
0-15.00	0.7378E-03	-7.5 TO 22.5	0.3232E-03	82.5-112.5	0.3096E-03	0	0- 30	0.6387E-03	90-120	0.6387E-03
15-30.00	0.2163E-02	-7.5 TO 22.5	0.3055E-03	82.5-112.5	0.2768E-03	15	0- 30	0.6408E-03	90-120	0.5969E-03
30-45.00	0.3441E-02	-7.5 TO 22.5	0.2577E-03	82.5-112.5	0.2199E-03	30	0- 30	0.5748E-03	90-120	0.4999E-03
45-60.00	0.4485E-02	-7.5 TO 22.5	0.1871E-03	82.5-112.5	0.1494E-03	45	0- 30	0.4520E-03	90-120	0.3669E-03
60-75.00	0.5223E-02	-7.5 TO 22.5	0.1052E-03	82.5-112.5	0.7518E-04	60	0- 30	0.2945E-03	90-120	0.2190E-03
75-88.85	0.5171E-02	-7.5 TO 22.5	0.2724E-04	82.5-112.5	0.1201E-04	75	0- 30	0.1267E-03	90-120	0.7370E-04
0-15.00	0.1107E-02	-7.5 TO 37.5	0.3227E-03	82.5-127.5	0.3081E-03	0	0- 45	0.9580E-03	90-135	0.9580E-03
15-30.00	0.3245E-02	-7.5 TO 37.5	0.3045E-03	82.5-127.5	0.2737E-03	15	0- 45	0.9582E-03	90-135	0.8892E-03
30-45.00	0.5162E-02	-7.5 TO 37.5	0.2563E-03	82.5-127.5	0.2160E-03	30	0- 45	0.8570E-03	90-135	0.7397E-03
45-60.00	0.6727E-02	-7.5 TO 37.5	0.1857E-03	82.5-127.5	0.1456E-03	45	0- 45	0.6719E-03	90-135	0.5390E-03
60-75.00	0.7834E-02	-7.5 TO 37.5	0.1040E-03	82.5-127.5	0.7231E-04	60	0- 45	0.4362E-03	90-135	0.3189E-03
75-88.85	0.7757E-02	-7.5 TO 37.5	0.2653E-04	82.5-127.5	0.1090E-04	75	0- 45	0.1860E-03	90-135	0.1042E-03
0-15.00	0.1476E-02	-7.5 TO 52.5	0.3220E-03	82.5-142.5	0.3067E-03	0	0- 60	0.1277E-02	90-150	0.1277E-02
15-30.00	0.4326E-02	-7.5 TO 52.5	0.3029E-03	82.5-142.5	0.2710E-03	15	0- 60	0.1272E-02	90-150	0.1178E-02
30-45.00	0.6882E-02	-7.5 TO 52.5	0.2542E-03	82.5-142.5	0.2125E-03	30	0- 60	0.1131E-02	90-150	0.9742E-03
45-60.00	0.8969E-02	-7.5 TO 52.5	0.1835E-03	82.5-142.5	0.1423E-03	45	0- 60	0.8851E-03	90-150	0.7055E-03
60-75.00	0.1045E-01	-7.5 TO 52.5	0.1023E-03	82.5-142.5	0.6976E-04	60	0- 60	0.5718E-03	90-150	0.4141E-03
75-88.85	0.1034E-01	-7.5 TO 52.5	0.2549E-04	82.5-142.5	0.9972E-05	75	0- 60	0.2409E-03	90-150	0.1318E-03
0-15.00	0.1845E-02	-7.5 TO 67.5	0.3210E-03	82.5-157.5	0.3055E-03	0	0- 75	0.1597E-02	90-165	0.1597E-02
15-30.00	0.5408E-02	-7.5 TO 67.5	0.3009E-03	82.5-157.5	0.2685E-03	15	0- 75	0.1582E-02	90-165	0.1465E-02
30-45.00	0.8603E-02	-7.5 TO 67.5	0.2516E-03	82.5-157.5	0.2094E-03	30	0- 75	0.1402E-02	90-165	0.1205E-02
45-60.00	0.1121E-01	-7.5 TO 67.5	0.1808E-03	82.5-157.5	0.1393E-03	45	0- 75	0.1090E-02	90-165	0.8681E-03
60-75.00	0.1306E-01	-7.5 TO 67.5	0.1001E-03	82.5-157.5	0.6756E-04	60	0- 75	0.7002E-03	90-165	0.5060E-03
75-88.85	0.1293E-01	-7.5 TO 67.5	0.2421E-04	82.5-157.5	0.9218E-05	75	0- 75	0.2907E-03	90-165	0.1572E-03
0-15.00	0.2214E-02	-7.5 TO 82.5	0.3199E-03	82.5-172.5	0.3046E-03	0	0- 90	0.1916E-02	90-180	0.1916E-02
15-30.00	0.6490E-02	-7.5 TO 82.5	0.2985E-03	82.5-172.5	0.2665E-03	15	0- 90	0.1887E-02	90-180	0.1751E-02
30-45.00	0.1032E-01	-7.5 TO 82.5	0.2484E-03	82.5-172.5	0.2069E-03	30	0- 90	0.1664E-02	90-180	0.1434E-02
45-60.00	0.1345E-01	-7.5 TO 82.5	0.1777E-03	82.5-172.5	0.1369E-03	45	0- 90	0.1286E-02	90-180	0.1029E-02
60-75.00	0.1567E-01	-7.5 TO 82.5	0.9756E-04	82.5-172.5	0.6576E-04	60	0- 90	0.8209E-03	90-180	0.5963E-03
75-88.85	0.1551E-01	-7.5 TO 82.5	0.2282E-04	82.5-172.5	0.8619E-05	75	0- 90	0.3351E-03	90-180	0.1817E-03
0-15.00	0.2582E-02	-7.5 TO 97.5	0.3187E-03	82.5-187.5	0.3038E-03	0	0-105	0.2235E-02	90-195	0.2235E-02
15-30.00	0.7571E-02	-7.5 TO 97.5	0.2958E-03	82.5-187.5	0.2650E-03	15	0-105	0.2188E-02	90-195	0.2037E-02
30-45.00	0.1204E-01	-7.5 TO 97.5	0.2449E-03	82.5-187.5	0.2049E-03	30	0-105	0.1918E-02	90-195	0.1663E-02
45-60.00	0.1570E-01	-7.5 TO 97.5	0.1742E-03	82.5-187.5	0.1351E-03	45	0-105	0.1474E-02	90-195	0.1189E-02
60-75.00	0.1828E-01	-7.5 TO 97.5	0.9481E-04	82.5-187.5	0.6438E-04	60	0-105	0.9339E-03	90-195	0.6865E-03
75-88.85	0.1810E-01	-7.5 TO 97.5	0.2145E-04	82.5-187.5	0.8164E-05	75	0-105	0.3743E-03	90-195	0.2061E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(i) Continued. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0180$ $\cosh \mu_2 = 6.2275$ $\alpha_{2,\max} = 90.00$ $\theta_{2,\min} = 80.76$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3689E-03	-7.5 TO 7.5	0.3356E-03	82.5- 97.5	0.3208E-03	0	0- 15	0.3292E-03	90-105	0.3292E-03
15-30.00	0.1082E-02	-7.5 TO 7.5	0.3203E-03	82.5- 97.5	0.2888E-03	15	0- 15	0.3342E-03	90-105	0.3097E-03
30-45.00	0.1721E-02	-7.5 TO 7.5	0.2731E-03	82.5- 97.5	0.2312E-03	30	0- 15	0.3034E-03	90-105	0.2611E-03
45-60.00	0.2242E-02	-7.5 TO 7.5	0.2002E-03	82.5- 97.5	0.1585E-03	45	0- 15	0.2414E-03	90-105	0.1930E-03
60-75.00	0.2611E-02	-7.5 TO 7.5	0.1137E-03	82.5- 97.5	0.8094E-04	60	0- 15	0.1590E-03	90-105	0.1163E-03
75-88.85	0.2586E-02	-7.5 TO 7.5	0.3014E-04	82.5- 97.5	0.1370E-04	75	0- 15	0.6944E-04	90-105	0.4037E-04
0-15.00	0.7378E-03	-7.5 TO 22.5	0.3353E-03	82.5-112.5	0.3189E-03	0	0- 30	0.6584E-03	90-120	0.6584E-03
15-30.00	0.2163E-02	-7.5 TO 22.5	0.3197E-03	82.5-112.5	0.2850E-03	15	0- 30	0.6669E-03	90-120	0.6141E-03
30-45.00	0.3441E-02	-7.5 TO 22.5	0.2723E-03	82.5-112.5	0.2264E-03	30	0- 30	0.6041E-03	90-120	0.5135E-03
45-60.00	0.4485E-02	-7.5 TO 22.5	0.1994E-03	82.5-112.5	0.1538E-03	45	0- 30	0.4795E-03	90-120	0.3764E-03
60-75.00	0.5223E-02	-7.5 TO 22.5	0.1130E-03	82.5-112.5	0.7742E-04	60	0- 30	0.3150E-03	90-120	0.2246E-03
75-88.85	0.5171E-02	-7.5 TO 22.5	0.2977E-04	82.5-112.5	0.1238E-04	75	0- 30	0.1368E-03	90-120	0.7559E-04
0-15.00	0.1107E-02	-7.5 TO 37.5	0.3347E-03	82.5-127.5	0.3172E-03	0	0- 45	0.9877E-03	90-135	0.9877E-03
15-30.00	0.3245E-02	-7.5 TO 37.5	0.3184E-03	82.5-127.5	0.2814E-03	15	0- 45	0.9966E-03	90-135	0.9139E-03
30-45.00	0.5162E-02	-7.5 TO 37.5	0.2706E-03	82.5-127.5	0.2218E-03	30	0- 45	0.8996E-03	90-135	0.7583E-03
45-60.00	0.6727E-02	-7.5 TO 37.5	0.1976E-03	82.5-127.5	0.1495E-03	45	0- 45	0.7115E-03	90-135	0.5517E-03
60-75.00	0.7834E-02	-7.5 TO 37.5	0.1116E-03	82.5-127.5	0.7422E-04	60	0- 45	0.4656E-03	90-135	0.3262E-03
75-88.85	0.7757E-02	-7.5 TO 37.5	0.2894E-04	82.5-127.5	0.1120E-04	75	0- 45	0.2003E-03	90-135	0.1066E-03
0-15.00	0.1476E-02	-7.5 TO 52.5	0.3339E-03	82.5-142.5	0.3156E-03	0	0- 60	0.1317E-02	90-150	0.1317E-02
15-30.00	0.4326E-02	-7.5 TO 52.5	0.3165E-03	82.5-142.5	0.2781E-03	15	0- 60	0.1322E-02	90-150	0.1210E-02
30-45.00	0.6882E-02	-7.5 TO 52.5	0.2680E-03	82.5-142.5	0.2177E-03	30	0- 60	0.1188E-02	90-150	0.9971E-03
45-60.00	0.8969E-02	-7.5 TO 52.5	0.1950E-03	82.5-142.5	0.1456E-03	45	0- 60	0.9352E-03	90-150	0.7207E-03
60-75.00	0.1045E-01	-7.5 TO 52.5	0.1095E-03	82.5-142.5	0.7139E-04	60	0- 60	0.6086E-03	90-150	0.4225E-03
75-88.85	0.1034E-01	-7.5 TO 52.5	0.2772E-04	82.5-142.5	0.1021E-04	75	0- 60	0.2586E-03	90-150	0.1344E-03
0-15.00	0.1845E-02	-7.5 TO 67.5	0.3327E-03	82.5-157.5	0.3142E-03	0	0- 75	0.1646E-02	90-165	0.1646E-02
15-30.00	0.5406E-02	-7.5 TO 67.5	0.3140E-03	82.5-157.5	0.2753E-03	15	0- 75	0.1643E-02	90-165	0.1503E-02
30-45.00	0.8603E-02	-7.5 TO 67.5	0.2646E-03	82.5-157.5	0.2142E-03	30	0- 75	0.1468E-02	90-165	0.1232E-02
45-60.00	0.1121E-01	-7.5 TO 67.5	0.1916E-03	82.5-157.5	0.1423E-03	45	0- 75	0.1149E-02	90-165	0.8852E-03
60-75.00	0.1306E-01	-7.5 TO 67.5	0.1068E-03	82.5-157.5	0.6899E-04	60	0- 75	0.7430E-03	90-165	0.5153E-03
75-88.85	0.1293E-01	-7.5 TO 67.5	0.2623E-04	82.5-157.5	0.9420E-05	75	0- 75	0.3110E-03	90-165	0.1600E-03
0-15.00	0.2214E-02	-7.5 TO 82.5	0.3313E-03	82.5-172.5	0.3130E-03	0	0- 90	0.1975E-02	90-180	0.1975E-02
15-30.00	0.6490E-02	-7.5 TO 82.5	0.3111E-03	82.5-172.5	0.2730E-03	15	0- 90	0.1958E-02	90-180	0.1795E-02
30-45.00	0.1032E-01	-7.5 TO 82.5	0.2608E-03	82.5-172.5	0.2113E-03	30	0- 90	0.1738E-02	90-180	0.1464E-02
45-60.00	0.1345E-01	-7.5 TO 82.5	0.1877E-03	82.5-172.5	0.1396E-03	45	0- 90	0.1352E-02	90-180	0.1048E-02
60-75.00	0.1567E-01	-7.5 TO 82.5	0.1038E-03	82.5-172.5	0.6703E-04	60	0- 90	0.8682E-03	90-180	0.6063E-03
75-88.85	0.1551E-01	-7.5 TO 82.5	0.2464E-04	82.5-172.5	0.8793E-05	75	0- 90	0.3572E-03	90-180	0.1846E-03
0-15.00	0.2582E-02	-7.5 TO 97.5	0.3298E-03	82.5-187.5	0.3121E-03	0	0-105	0.2305E-02	90-195	0.2305E-02
15-30.00	0.7571E-02	-7.5 TO 97.5	0.3079E-03	82.5-187.5	0.2712E-03	15	0-105	0.2268E-02	90-195	0.2088E-02
30-45.00	0.1204E-01	-7.5 TO 97.5	0.2566E-03	82.5-187.5	0.2091E-03	30	0-105	0.1999E-02	90-195	0.1697E-02
45-60.00	0.1570E-01	-7.5 TO 97.5	0.1836E-03	82.5-187.5	0.1376E-03	45	0-105	0.1549E-02	90-195	0.1210E-02
60-75.00	0.1828E-01	-7.5 TO 97.5	0.1005E-03	82.5-187.5	0.6553E-04	60	0-105	0.9845E-03	90-195	0.6974E-03
75-88.85	0.1810E-01	-7.5 TO 97.5	0.2308E-04	82.5-187.5	0.8317E-05	75	0-105	0.3975E-03	90-195	0.2092E-03

$r_2/r_1 = 0.80$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0180$ $\cosh \mu_2 = 6.2275$ $\alpha_{2,\max} = 91.15$ $\theta_{2,\min} = 79.63$

0-15.00	0.3689E-03	-7.5 TO 7.5	0.3356E-03	82.5- 97.5	0.3208E-03	0	0- 15	0.3292E-03	90-105	0.3292E-03
15-30.00	0.1082E-02	-7.5 TO 7.5	0.3203E-03	82.5- 97.5	0.2888E-03	15	0- 15	0.3342E-03	90-105	0.3097E-03
30-45.00	0.1721E-02	-7.5 TO 7.5	0.2731E-03	82.5- 97.5	0.2312E-03	30	0- 15	0.3034E-03	90-105	0.2611E-03
45-60.00	0.2242E-02	-7.5 TO 7.5	0.2002E-03	82.5- 97.5	0.1585E-03	45	0- 15	0.2414E-03	90-105	0.1930E-03
60-75.00	0.2611E-02	-7.5 TO 7.5	0.1137E-03	82.5- 97.5	0.8094E-04	60	0- 15	0.1590E-03	90-105	0.1163E-03
75-88.85	0.2586E-02	-7.5 TO 7.5	0.3015E-04	82.5- 97.5	0.1370E-04	75	0- 15	0.6945E-04	90-105	0.4037E-04
0-15.00	0.7378E-03	-7.5 TO 22.5	0.3353E-03	82.5-112.5	0.3189E-03	0	0- 30	0.6584E-03	90-120	0.6584E-03
15-30.00	0.2163E-02	-7.5 TO 22.5	0.3197E-03	82.5-112.5	0.2850E-03	15	0- 30	0.6669E-03	90-120	0.6141E-03
30-45.00	0.3441E-02	-7.5 TO 22.5	0.2723E-03	82.5-112.5	0.2264E-03	30	0- 30	0.6041E-03	90-120	0.5135E-03
45-60.00	0.4485E-02	-7.5 TO 22.5	0.1994E-03	82.5-112.5	0.1538E-03	45	0- 30	0.4795E-03	90-120	0.3764E-03
60-75.00	0.5223E-02	-7.5 TO 22.5	0.1131E-03	82.5-112.5	0.7742E-04	60	0- 30	0.3150E-03	90-120	0.2246E-03
75-88.85	0.5171E-02	-7.5 TO 22.5	0.2978E-04	82.5-112.5	0.1238E-04	75	0- 30	0.1368E-03	90-120	0.7559E-04
0-15.00	0.1107E-02	-7.5 TO 37.5	0.3347E-03	82.5-127.5	0.3172E-03	0	0- 45	0.9877E-03	90-135	0.9877E-03
15-30.00	0.3245E-02	-7.5 TO 37.5	0.3184E-03	82.5-127.5	0.2814E-03	15	0- 45	0.9966E-03	90-135	0.9139E-03
30-45.00	0.5162E-02	-7.5 TO 37.5	0.2706E-03	82.5-127.5	0.2218E-03	30	0- 45	0.8996E-03	90-135	0.7583E-03
45-60.00	0.6727E-02	-7.5 TO 37.5	0.1976E-03	82.5-127.5	0.1495E-03	45	0- 45	0.7115E-03	90-135	0.5517E-03
60-75.00	0.7834E-02	-7.5 TO 37.5	0.1116E-03	82.5-127.5	0.7422E-04	60	0- 45	0.4656E-03	90-135	0.3262E-03
75-88.85	0.7757E-02	-7.5 TO 37.5	0.2894E-04	82.5-127.5	0.1120E-04	75	0- 45	0.2004E-03	90-135	0.1066E-03
0-15.00	0.1476E-02	-7.5 TO 52.5	0.3339E-03	82.5-142.5	0.3156E-03	0	0- 60	0.1317E-02	90-150	0.1317E-02
15-30.00	0.4326E-02	-7.5 TO 52.5	0.3165E-03	82.5-142.5	0.2781E-03	15	0- 60	0.1322E-02	90-150	0.1210E-02
30-45.00	0.6882E-02	-7.5 TO 52.5	0.2680E-03	82.5-142.5	0.2177E-03	30	0- 60	0.1188E-02	90-150	0.9971E-03
45-60.00	0.8969E-02	-7.5 TO 52.5	0.1950E-03	82.5-142.5	0.1456E-03	45	0- 60	0.9352E-03	90-150	0.7207E-03
60-75.00	0.1045E-01	-7.5 TO 52.5	0.1095E-03	82.5-142.5	0.7139E-04	60	0- 60	0.6086E-03	90-150	0.4225E-03
75-88.85	0.1034E-01	-7.5 TO 52.5	0.2773E-04	82.5-142.5	0.1021E-04	75	0- 60	0.2587E-03	90-150	0.1344E-03
0-15.00	0.1845E-02	-7.5 TO 67.5	0.3327E-03	82.5-157.5	0.3142E-03	0	0- 75	0.1646E-02	90-165	0.1646E-02
15-30.00	0.5408E-02	-7.5 TO 67.5	0.3140E-03	82.5-157.5	0.2753E-03	15	0- 75	0.1643E-02	90-165	0.1503E-02
30-45.00	0.8603E-02	-7.5 TO 67.5	0.2646E-03	82.5-157.5	0.2142E-03	30	0- 75	0.1468E-02	90-165	0.1232E-02
45-60.00	0.1121E-01	-7.5 TO 67.5	0.1916E-03	82.5-157.5	0.1423E-03	45	0- 75	0.1149E-02	90-165	0.8852E-03
60-75.00	0.1306E-01	-7.5 TO 67.5	0.1068E-03	82.5-157.5	0.6899E-04	60	0- 75	0.7430E-03	90-165	0.5153E-03
75-88.85	0.1293E-01	-7.5 TO 67.5	0.2624E-04	82.5-157.5	0.9420E-05	75	0- 75	0.3110E-03	90-165	0.1600E-03
0-15.00	0.2214E-02	-7.5 TO 82.5	0.3313E-03	82.5-172.5	0.3130E-03	0	0- 90	0.1975E-02	90-180	0.1975E-02
15-30.00	0.6490E-02	-7.5 TO 82.5	0.3111E-03	82.5-172.5	0.2730E-03	15	0- 90	0.1958E-02	90-180	0.1795E-02
30-45.00	0.1032E-01	-7.5 TO 82.5	0.2608E-03	82.5-172.5	0.2113E-03	30	0- 90	0.1738E-02	90-180	0.1464E-02
45-60.00	0.1345E-01	-7.5 TO 82.5	0.1877E-03	82.5-172.5	0.1396E-03	45	0- 90	0.1352E-02	90-180	0.1048E-02
60-75.00	0.1567E-01	-7.5 TO 82.5	0.1038E-03	82.5-172.5	0.6703E-04	60	0- 90	0.8682E-03	90-180	0.6063E-03
75-88.85	0.1551E-01	-7.5 TO 82.5	0.2465E-04	82.5-172.5	0.8793E-05	75	0- 90	0.3572E-03	90-180	0.1846E-03
0-15.00	0.2582E-02	-7.5 TO 97.5	0.3298E-03	82.5-187.5	0.3121E-03	0	0-105	0.2305E-02	90-195	0.2305E-02
15-30.00	0.7571E-02	-7.5 TO 97.5	0.3079E-03	82.5-187.5	0.2712E-03	15	0-105	0.2268E-02	90-195	0.2088E-02
30-45.00	0.1204E-01	-7.5 TO 97.5	0.2566E-03	82.5-187.5	0.2091E-03	30	0-105	0.1999E-02	90-195	0.1697E-02
45-60.00	0.1570E-01	-7.5 TO 97.5	0.1836E-03	82.5-187.5	0.1376E-03	45	0-105	0.1549E-02	90-195	0.1210E-02
60-75.00	0.1828E-01	-7.5 TO 97.5	0.1005E-03	82.5-187.5	0.6553E-04	60	0-105	0.9845E-03	90-195	0.6974E-03
75-88.85	0.1810E-01	-7.5 TO 97.5	0.2308E-04	82.5-187.5	0.8317E-05	75	0-105	0.3975E-03	90-195	0.2092E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(i) Continued. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0090$ $\cosh \mu_2 = 12.4887$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 163.76$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8554E-04	-7.5 TO 7.5	0.5281E-05	82.5- 97.5	0.5264E-05	0	0- 15	0.5376E-05	90-105	0.5376E-05
15-30.00	0.2637E-03	-7.5 TO 7.5	0.4866E-05	82.5- 97.5	0.4829E-05	15	0- 15	0.5177E-05	90-105	0.5148E-05
30-45.00	0.4155E-03	-7.5 TO 7.5	0.4067E-05	82.5- 97.5	0.4016E-05	30	0- 15	0.4554E-05	90-105	0.4503E-05
45-60.00	0.5467E-03	-7.5 TO 7.5	0.2981E-05	82.5- 97.5	0.2925E-05	45	0- 15	0.3586E-05	90-105	0.3524E-05
60-75.00	0.6366E-03	-7.5 TO 7.5	0.1726E-05	82.5- 97.5	0.1675E-05	60	0- 15	0.2387E-05	90-105	0.2325E-05
75-89.43	0.6568E-03	-7.5 TO 7.5	0.4621E-06	82.5- 97.5	0.4255E-06	75	0- 15	0.1081E-05	90-105	0.1029E-05
0-15.00	0.1799E-03	-7.5 TO 22.5	0.5281E-05	82.5-112.5	0.5261E-05	0	0- 30	0.1075E-04	90-120	0.1075E-04
15-30.00	0.5214E-03	-7.5 TO 22.5	0.4865E-05	82.5-112.5	0.4824E-05	15	0- 30	0.1035E-04	90-120	0.1029E-04
30-45.00	0.8350E-03	-7.5 TO 22.5	0.4066E-05	82.5-112.5	0.4009E-05	30	0- 30	0.9105E-05	90-120	0.8995E-05
45-60.00	0.1093E-02	-7.5 TO 22.5	0.2980E-05	82.5-112.5	0.2918E-05	45	0- 30	0.7168E-05	90-120	0.7034E-05
60-75.00	0.1273E-02	-7.5 TO 22.5	0.1725E-05	82.5-112.5	0.1669E-05	60	0- 30	0.4770E-05	90-120	0.4637E-05
75-89.43	0.1314E-02	-7.5 TO 22.5	0.4615E-06	82.5-112.5	0.4209E-06	75	0- 30	0.2158E-05	90-120	0.2047E-05
0-15.00	0.2698E-03	-7.5 TO 37.5	0.5280E-05	82.5-127.5	0.5259E-05	0	0- 45	0.1613E-04	90-135	0.1613E-04
15-30.00	0.7811E-03	-7.5 TO 37.5	0.4864E-05	82.5-127.5	0.4819E-05	15	0- 45	0.1552E-04	90-135	0.1543E-04
30-45.00	0.1258E-02	-7.5 TO 37.5	0.4064E-05	82.5-127.5	0.4003E-05	30	0- 45	0.1365E-04	90-135	0.1348E-04
45-60.00	0.1640E-02	-7.5 TO 37.5	0.2977E-05	82.5-127.5	0.2911E-05	45	0- 45	0.1074E-04	90-135	0.1053E-04
60-75.00	0.1910E-02	-7.5 TO 37.5	0.1723E-05	82.5-127.5	0.1663E-05	60	0- 45	0.7145E-05	90-135	0.6936E-05
75-89.43	0.1970E-02	-7.5 TO 37.5	0.4600E-06	82.5-127.5	0.4164E-06	75	0- 45	0.3229E-05	90-135	0.3055E-05
0-15.00	0.3598E-03	-7.5 TO 52.5	0.5279E-05	82.5-142.5	0.5257E-05	0	0- 60	0.2150E-04	90-150	0.2150E-04
15-30.00	0.1055E-02	-7.5 TO 52.5	0.4861E-05	82.5-142.5	0.4815E-05	15	0- 60	0.2069E-04	90-150	0.2056E-04
30-45.00	0.1678E-02	-7.5 TO 52.5	0.4061E-05	82.5-142.5	0.3997E-05	30	0- 60	0.1819E-04	90-150	0.1795E-04
45-60.00	0.2187E-02	-7.5 TO 52.5	0.2974E-05	82.5-142.5	0.2905E-05	45	0- 60	0.1431E-04	90-150	0.1402E-04
60-75.00	0.2547E-02	-7.5 TO 52.5	0.1720E-05	82.5-142.5	0.1657E-05	60	0- 60	0.9511E-05	90-150	0.9225E-05
75-89.43	0.2627E-02	-7.5 TO 52.5	0.4578E-06	82.5-142.5	0.4124E-06	75	0- 60	0.4292E-05	90-150	0.4054E-05
0-15.00	0.4497E-03	-7.5 TO 67.5	0.5278E-05	82.5-157.5	0.5256E-05	0	0- 75	0.2688E-04	90-165	0.2688E-04
15-30.00	0.1319E-02	-7.5 TO 67.5	0.4859E-05	82.5-157.5	0.4811E-05	15	0- 75	0.2585E-04	90-165	0.2569E-04
30-45.00	0.2097E-02	-7.5 TO 67.5	0.4057E-05	82.5-157.5	0.3992E-05	30	0- 75	0.2271E-04	90-165	0.2242E-04
45-60.00	0.2733E-02	-7.5 TO 67.5	0.2970E-05	82.5-157.5	0.2899E-05	45	0- 75	0.1786E-04	90-165	0.1750E-04
60-75.00	0.3183E-02	-7.5 TO 67.5	0.1716E-05	82.5-157.5	0.1652E-05	60	0- 75	0.1186E-04	90-165	0.1151E-04
75-89.43	0.3284E-02	-7.5 TO 67.5	0.4550E-06	82.5-157.5	0.4088E-06	75	0- 75	0.5345E-05	90-165	0.5047E-05
0-15.00	0.5397E-03	-7.5 TO 82.5	0.5276E-05	82.5-172.5	0.5254E-05	0	0- 90	0.3226E-04	90-180	0.3226E-04
15-30.00	0.1582E-02	-7.5 TO 82.5	0.4855E-05	82.5-172.5	0.4808E-05	15	0- 90	0.3101E-04	90-180	0.3081E-04
30-45.00	0.2517E-02	-7.5 TO 82.5	0.4053E-05	82.5-172.5	0.3988E-05	30	0- 90	0.2723E-04	90-180	0.2688E-04
45-60.00	0.3280E-02	-7.5 TO 82.5	0.2965E-05	82.5-172.5	0.2895E-05	45	0- 90	0.2140E-04	90-180	0.2098E-04
60-75.00	0.3820E-02	-7.5 TO 82.5	0.1711E-05	82.5-172.5	0.1648E-05	60	0- 90	0.1420E-04	90-180	0.1379E-04
75-89.43	0.3941E-02	-7.5 TO 82.5	0.4517E-06	82.5-172.5	0.4058E-06	75	0- 90	0.6386E-05	90-180	0.6038E-05
0-15.00	0.6296E-03	-7.5 TO 97.5	0.5274E-05	82.5-187.5	0.5253E-05	0	0-105	0.3763E-04	90-195	0.3763E-04
15-30.00	0.1846E-02	-7.5 TO 97.5	0.4851E-05	82.5-187.5	0.4806E-05	15	0-105	0.3616E-04	90-195	0.3594E-04
30-45.00	0.2936E-02	-7.5 TO 97.5	0.4047E-05	82.5-187.5	0.3985E-05	30	0-105	0.3173E-04	90-195	0.3135E-04
45-60.00	0.3827E-02	-7.5 TO 97.5	0.2959E-05	82.5-187.5	0.2891E-05	45	0-105	0.2492E-04	90-195	0.2445E-04
60-75.00	0.4456E-02	-7.5 TO 97.5	0.1706E-05	82.5-187.5	0.1645E-05	60	0-105	0.1653E-04	90-195	0.1607E-04
75-89.43	0.4598E-02	-7.5 TO 97.5	0.4479E-06	82.5-187.5	0.4035E-06	75	0-105	0.7415E-05	90-195	0.7028E-05

$r_2/r_1 = 0.80$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0090$ $\cosh \mu_2 = 12.4887$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 147.62$

0-15.00	0.8554E-04	-7.5 TO 7.5	0.1959E-04	82.5- 97.5	0.1947E-04	0	0- 15	0.1988E-04	90-105	0.1988E-04
15-30.00	0.2637E-03	-7.5 TO 7.5	0.1813E-04	82.5- 97.5	0.1786E-04	15	0- 15	0.1924E-04	90-105	0.1903E-04
30-45.00	0.4155E-03	-7.5 TO 7.5	0.1523E-04	82.5- 97.5	0.1485E-04	30	0- 15	0.1701E-04	90-105	0.1663E-04
45-60.00	0.5467E-03	-7.5 TO 7.5	0.1123E-04	82.5- 97.5	0.1082E-04	45	0- 15	0.1347E-04	90-105	0.1301E-04
60-75.00	0.6366E-03	-7.5 TO 7.5	0.6570E-05	82.5- 97.5	0.6199E-05	60	0- 15	0.9028E-05	90-105	0.8578E-05
75-89.43	0.6568E-03	-7.5 TO 7.5	0.1841E-05	82.5- 97.5	0.1576E-05	75	0- 15	0.4162E-05	90-105	0.3789E-05
0-15.00	0.1799E-03	-7.5 TO 22.5	0.1959E-04	82.5-112.5	0.1945E-04	0	0- 30	0.3976E-04	90-120	0.3976E-04
15-30.00	0.5274E-03	-7.5 TO 22.5	0.1813E-04	82.5-112.5	0.1782E-04	15	0- 30	0.3847E-04	90-120	0.3801E-04
30-45.00	0.8350E-03	-7.5 TO 22.5	0.1523E-04	82.5-112.5	0.1481E-04	30	0- 30	0.3400E-04	90-120	0.3319E-04
45-60.00	0.1093E-02	-7.5 TO 22.5	0.1122E-04	82.5-112.5	0.1077E-04	45	0- 30	0.2690E-04	90-120	0.2592E-04
60-75.00	0.1273E-02	-7.5 TO 22.5	0.6563E-05	82.5-112.5	0.6152E-05	60	0- 30	0.1803E-04	90-120	0.1706E-04
75-89.43	0.1314E-02	-7.5 TO 22.5	0.1837E-05	82.5-112.5	0.1543E-05	75	0- 30	0.8302E-05	90-120	0.7495E-05
0-15.00	0.2698E-03	-7.5 TO 37.5	0.1959E-04	82.5-127.5	0.1943E-04	0	0- 45	0.5965E-04	90-135	0.5965E-04
15-30.00	0.7811E-03	-7.5 TO 37.5	0.1812E-04	82.5-127.5	0.1779E-04	15	0- 45	0.5767E-04	90-135	0.5695E-04
30-45.00	0.1258E-02	-7.5 TO 37.5	0.1521E-04	82.5-127.5	0.1476E-04	30	0- 45	0.5094E-04	90-135	0.4966E-04
45-60.00	0.1640E-02	-7.5 TO 37.5	0.1121E-04	82.5-127.5	0.1072E-04	45	0- 45	0.4029E-04	90-135	0.3874E-04
60-75.00	0.1910E-02	-7.5 TO 37.5	0.6549E-05	82.5-127.5	0.6108E-05	60	0- 45	0.2698E-04	90-135	0.2545E-04
75-89.43	0.1970E-02	-7.5 TO 37.5	0.1826E-05	82.5-127.5	0.1511E-05	75	0- 45	0.1240E-04	90-135	0.1113E-04
0-15.00	0.3598E-03	-7.5 TO 52.5	0.1958E-04	82.5-142.5	0.1942E-04	0	0- 60	0.7953E-04	90-150	0.7953E-04
15-30.00	0.1055E-02	-7.5 TO 52.5	0.1810E-04	82.5-142.5	0.1776E-04	15	0- 60	0.7684E-04	90-150	0.7585E-04
30-45.00	0.1678E-02	-7.5 TO 52.5	0.1519E-04	82.5-142.5	0.1472E-04	30	0- 60	0.6782E-04	90-150	0.6608E-04
45-60.00	0.2187E-02	-7.5 TO 52.5	0.1118E-04	82.5-142.5	0.1067E-04	45	0- 60	0.5360E-04	90-150	0.5148E-04
60-75.00	0.2547E-02	-7.5 TO 52.5	0.6527E-05	82.5-142.5	0.6067E-05	60	0- 60	0.3585E-04	90-150	0.3376E-04
75-89.43	0.2627E-02	-7.5 TO 52.5	0.1810E-05	82.5-142.5	0.1482E-05	75	0- 60	0.1643E-04	90-150	0.1470E-04
0-15.00	0.4497E-03	-7.5 TO 67.5	0.1957E-04	82.5-157.5	0.1941E-04	0	0- 75	0.9941E-04	90-165	0.9941E-04
15-30.00	0.1319E-02	-7.5 TO 67.5	0.1808E-04	82.5-157.5	0.1773E-04	15	0- 75	0.9596E-04	90-165	0.9473E-04
30-45.00	0.2097E-02	-7.5 TO 67.5	0.1516E-04	82.5-157.5	0.1468E-04	30	0- 75	0.8462E-04	90-165	0.8245E-04
45-60.00	0.2733E-02	-7.5 TO 67.5	0.1115E-04	82.5-157.5	0.1063E-04	45	0- 75	0.6682E-04	90-165	0.6417E-04
60-75.00	0.3183E-02	-7.5 TO 67.5	0.6498E-05	82.5-157.5	0.6031E-05	60	0- 75	0.4463E-04	90-165	0.4203E-04
75-89.43	0.3284E-02	-7.5 TO 67.5	0.1790E-05	82.5-157.5	0.1457E-05	75	0- 75	0.2039E-04	90-165	0.1824E-04
0-15.00	0.5397E-03	-7.5 TO 82.5	0.1956E-04	82.5-172.5	0.1940E-04	0	0- 90	0.1193E-03	90-180	0.1193E-03
15-30.00	0.1582E-02	-7.5 TO 82.5	0.1805E-04	82.5-172.5	0.1771E-04	15	0- 90	0.1150E-03	90-180	0.1136E-03
30-45.00	0.2517E-02	-7.5 TO 82.5	0.1512E-04	82.5-172.5	0.1465E-04	30	0- 90	0.1013E-03	90-180	0.9880E-04
45-60.00	0.3280E-02	-7.5 TO 82.5	0.1111E-04	82.5-172.5	0.1060E-04	45	0- 90	0.7993E-04	90-180	0.7684E-04
60-75.00	0.3820E-02	-7.5 TO 82.5	0.6464E-05	82.5-172.5	0.6001E-05	60	0- 90	0.5331E-04	90-180	0.5027E-04
75-89.43	0.3941E-02	-7.5 TO 82.5	0.1765E-05	82.5-172.5	0.1436E-05	75	0- 90	0.2426E-04	90-180	0.2175E-04
0-15.00	0.6296E-03	-7.5 TO 97.5	0.1954E-04	82.5-187.5	0.1939E-04	0	0-105	0.1392E-03	90-195	0.1392E-03
15-30.00	0.1846E-02	-7.5 TO 97.5	0.1803E-04	82.5-187.5	0.1769E-04	15	0-105	0.1341E-03	90-195	0.1325E-03
30-45.00	0.2936E-02	-7.5 TO 97.5	0.1509E-04	82.5-187.5	0.1463E-04	30	0-105	0.1180E-03	90-195	0.1152E-03
45-60.00	0.3827E-02	-7.5 TO 97.5	0.1107E-04	82.5-187.5	0.1057E-04	45	0-105	0.9294E-04	90-195	0.8951E-04
60-75.00	0.4456E-02	-7.5 TO 97.5	0.6426E-05	82.5-187.5	0.5978E-05	60	0-105	0.6189E-04	90-195	0.5851E-04
75-89.43	0.4598E-02	-7.5 TO 97.5	0.1738E-05	82.5-187.5	0.1420E-05	75	0-105	0.2805E-04	90-195	0.2526E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(i) Continued. Radius ratio, r_2/r_1, 0.80

r_2/r_1 = 0.80 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0090 $\cosh \mu_2$ = 12.4887 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 131.66

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8594E-04	-7.5 TO 7.5	0.3876E-04	82.5- 97.5	0.3838E-04	0	0- 15	0.3920E-04	90-105	0.3920E-04
15-30.00	0.2637E-03	-7.5 TO 7.5	0.3602E-04	82.5- 97.5	0.3521E-04	15	0- 15	0.3812E-04	90-105	0.3749E-04
30-45.00	0.4155E-03	-7.5 TO 7.5	0.3041E-04	82.5- 97.5	0.2929E-04	30	0- 15	0.3386E-04	90-105	0.3276E-04
45-60.00	0.5467E-03	-7.5 TO 7.5	0.2254E-04	82.5- 97.5	0.2134E-04	45	0- 15	0.2695E-04	90-105	0.2561E-04
60-75.00	0.6366E-03	-7.5 TO 7.5	0.1331E-04	82.5- 97.5	0.1223E-04	60	0- 15	0.1819E-04	90-105	0.1688E-04
75-89.43	0.6568E-03	-7.5 TO 7.5	0.3868E-05	82.5- 97.5	0.3115E-05	75	0- 15	0.8515E-05	90-105	0.7443E-05
0-15.00	0.1799E-03	-7.5 TO 22.5	0.3875E-04	82.5-112.5	0.3833E-04	0	0- 30	0.7840E-04	90-120	0.7840E-04
15-30.00	0.5274E-03	-7.5 TO 22.5	0.3601E-04	82.5-112.5	0.3511E-04	15	0- 30	0.7620E-04	90-120	0.7485E-04
30-45.00	0.8390E-03	-7.5 TO 22.5	0.3039E-04	82.5-112.5	0.2915E-04	30	0- 30	0.6766E-04	90-120	0.6528E-04
45-60.00	0.1093E-02	-7.5 TO 22.5	0.2252E-04	82.5-112.5	0.2119E-04	45	0- 30	0.5382E-04	90-120	0.5092E-04
60-75.00	0.1273E-02	-7.5 TO 22.5	0.1329E-04	82.5-112.5	0.1210E-04	60	0- 30	0.3629E-04	90-120	0.3347E-04
75-89.43	0.1314E-02	-7.5 TO 22.5	0.3855E-05	82.5-112.5	0.3021E-05	75	0- 30	0.1696E-04	90-120	0.1465E-04
0-15.00	0.2658E-03	-7.5 TO 37.5	0.3873E-04	82.5-127.5	0.3829E-04	0	0- 45	0.1176E-03	90-135	0.1176E-03
15-30.00	0.7911E-03	-7.5 TO 37.5	0.3597E-04	82.5-127.5	0.3501E-04	15	0- 45	0.1142E-03	90-135	0.1121E-03
30-45.00	0.1258E-02	-7.5 TO 37.5	0.3034E-04	82.5-127.5	0.2902E-04	30	0- 45	0.1013E-03	90-135	0.9757E-04
45-60.00	0.1640E-02	-7.5 TO 37.5	0.2248E-04	82.5-127.5	0.2105E-04	45	0- 45	0.8052E-04	90-135	0.7598E-04
60-75.00	0.1910E-02	-7.5 TO 37.5	0.1325E-04	82.5-127.5	0.1197E-04	60	0- 45	0.5425E-04	90-135	0.4980E-04
75-89.43	0.1970E-02	-7.5 TO 37.5	0.3825E-05	82.5-127.5	0.2933E-05	75	0- 45	0.2528E-04	90-135	0.2166E-04
0-15.00	0.3558E-03	-7.5 TO 52.5	0.3871E-04	82.5-142.5	0.3824E-04	0	0- 60	0.1568E-03	90-150	0.1568E-03
15-30.00	0.1055E-02	-7.5 TO 52.5	0.3593E-04	82.5-142.5	0.3492E-04	15	0- 60	0.1521E-03	90-150	0.1492E-03
30-45.00	0.1678E-02	-7.5 TO 52.5	0.3028E-04	82.5-142.5	0.2889E-04	30	0- 60	0.1348E-03	90-150	0.1297E-03
45-60.00	0.2187E-02	-7.5 TO 52.5	0.2240E-04	82.5-142.5	0.2092E-04	45	0- 60	0.1070E-03	90-150	0.1008E-03
60-75.00	0.2547E-02	-7.5 TO 52.5	0.1318E-04	82.5-142.5	0.1185E-04	60	0- 60	0.7198E-04	90-150	0.6593E-04
75-89.43	0.2627E-02	-7.5 TO 52.5	0.3779E-05	82.5-142.5	0.2853E-05	75	0- 60	0.3343E-04	90-150	0.2850E-04
0-15.00	0.4497E-03	-7.5 TO 67.5	0.3868E-04	82.5-157.5	0.3821E-04	0	0- 75	0.1960E-03	90-165	0.1960E-03
15-30.00	0.1319E-02	-7.5 TO 67.5	0.3586E-04	82.5-157.5	0.3484E-04	15	0- 75	0.1899E-03	90-165	0.1863E-03
30-45.00	0.2097E-02	-7.5 TO 67.5	0.3019E-04	82.5-157.5	0.2879E-04	30	0- 75	0.1681E-03	90-165	0.1617E-03
45-60.00	0.2733E-02	-7.5 TO 67.5	0.2231E-04	82.5-157.5	0.2080E-04	45	0- 75	0.1332E-03	90-165	0.1255E-03
60-75.00	0.3183E-02	-7.5 TO 67.5	0.1310E-04	82.5-157.5	0.1175E-04	60	0- 75	0.8965E-04	90-165	0.8191E-04
75-89.43	0.3284E-02	-7.5 TO 67.5	0.3720E-05	82.5-157.5	0.2783E-05	75	0- 75	0.4135E-04	90-165	0.3522E-04
0-15.00	0.5397E-03	-7.5 TO 82.5	0.3865E-04	82.5-172.5	0.3818E-04	0	0- 90	0.2352E-03	90-180	0.2352E-03
15-30.00	0.1582E-02	-7.5 TO 82.5	0.3579E-04	82.5-172.5	0.3478E-04	15	0- 90	0.2275E-03	90-180	0.2233E-03
30-45.00	0.2517E-02	-7.5 TO 82.5	0.3009E-04	82.5-172.5	0.2870E-04	30	0- 90	0.2011E-03	90-180	0.1936E-03
45-60.00	0.3280E-02	-7.5 TO 82.5	0.2220E-04	82.5-172.5	0.2071E-04	45	0- 90	0.1591E-03	90-180	0.1501E-03
60-75.00	0.3820E-02	-7.5 TO 82.5	0.1300E-04	82.5-172.5	0.1167E-04	60	0- 90	0.1066E-03	90-180	0.9782E-04
75-89.43	0.3941E-02	-7.5 TO 82.5	0.3651E-05	82.5-172.5	0.2727E-05	75	0- 90	0.4904E-04	90-180	0.4189E-04
0-15.00	0.6256E-03	-7.5 TO 97.5	0.3861E-04	82.5-187.5	0.3815E-04	0	0-105	0.2744E-03	90-195	0.2744E-03
15-30.00	0.1846E-02	-7.5 TO 97.5	0.3571E-04	82.5-187.5	0.3473E-04	15	0-105	0.2650E-03	90-195	0.2603E-03
30-45.00	0.2936E-02	-7.5 TO 97.5	0.2998E-04	82.5-187.5	0.2863E-04	30	0-105	0.2338E-03	90-195	0.2256E-03
45-60.00	0.3827E-02	-7.5 TO 97.5	0.2208E-04	82.5-187.5	0.2063E-04	45	0-105	0.1848E-03	90-195	0.1747E-03
60-75.00	0.4456E-02	-7.5 TO 97.5	0.1289E-04	82.5-187.5	0.1160E-04	60	0-105	0.1235E-03	90-195	0.1137E-03
75-89.43	0.4598E-02	-7.5 TO 97.5	0.3574E-05	82.5-187.5	0.2685E-05	75	0-105	0.5648E-04	90-195	0.4856E-04

r_2/r_1 = 0.80 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0090 $\cosh \mu_2$ = 12.4887 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 115.94

0-15.00	0.8594E-04	-7.5 TO 7.5	0.5727E-04	82.5- 97.5	0.5653E-04	0	0- 15	0.5773E-04	90-105	0.5773E-04
15-30.00	0.2637E-03	-7.5 TO 7.5	0.5345E-04	82.5- 97.5	0.5187E-04	15	0- 15	0.5641E-04	90-105	0.5519E-04
30-45.00	0.4155E-03	-7.5 TO 7.5	0.4534E-04	82.5- 97.5	0.4316E-04	30	0- 15	0.5036E-04	90-105	0.4820E-04
45-60.00	0.5467E-03	-7.5 TO 7.5	0.3378E-04	82.5- 97.5	0.3145E-04	45	0- 15	0.4028E-04	90-105	0.3766E-04
60-75.00	0.6366E-03	-7.5 TO 7.5	0.2009E-04	82.5- 97.5	0.1804E-04	60	0- 15	0.2734E-04	90-105	0.2481E-04
75-89.43	0.6568E-03	-7.5 TO 7.5	0.5998E-05	82.5- 97.5	0.4600E-05	75	0- 15	0.1295E-04	90-105	0.1093E-04
0-15.00	0.1799E-03	-7.5 TO 22.5	0.5725E-04	82.5-112.5	0.5643E-04	0	0- 30	0.1155E-03	90-120	0.1155E-03
15-30.00	0.5274E-03	-7.5 TO 22.5	0.5343E-04	82.5-112.5	0.5166E-04	15	0- 30	0.1128E-03	90-120	0.1101E-03
30-45.00	0.8390E-03	-7.5 TO 22.5	0.4530E-04	82.5-112.5	0.4288E-04	30	0- 30	0.1006E-03	90-120	0.9591E-04
45-60.00	0.1093E-02	-7.5 TO 22.5	0.3374E-04	82.5-112.5	0.3116E-04	45	0- 30	0.8039E-04	90-120	0.7475E-04
60-75.00	0.1273E-02	-7.5 TO 22.5	0.2005E-04	82.5-112.5	0.1778E-04	60	0- 30	0.5452E-04	90-120	0.4907E-04
75-89.43	0.1314E-02	-7.5 TO 22.5	0.5973E-05	82.5-112.5	0.4429E-05	75	0- 30	0.2578E-04	90-120	0.2143E-04
0-15.00	0.2658E-03	-7.5 TO 37.5	0.5722E-04	82.5-127.5	0.5634E-04	0	0- 45	0.1732E-03	90-135	0.1732E-03
15-30.00	0.7911E-03	-7.5 TO 37.5	0.5336E-04	82.5-127.5	0.5147E-04	15	0- 45	0.1690E-03	90-135	0.1648E-03
30-45.00	0.1258E-02	-7.5 TO 37.5	0.4521E-04	82.5-127.5	0.4262E-04	30	0- 45	0.1506E-03	90-135	0.1432E-03
45-60.00	0.1640E-02	-7.5 TO 37.5	0.3365E-04	82.5-127.5	0.3088E-04	45	0- 45	0.1202E-03	90-135	0.1113E-03
60-75.00	0.1910E-02	-7.5 TO 37.5	0.1997E-04	82.5-127.5	0.1754E-04	60	0- 45	0.8140E-04	90-135	0.7285E-04
75-89.43	0.1970E-02	-7.5 TO 37.5	0.5916E-05	82.5-127.5	0.4268E-05	75	0- 45	0.3836E-04	90-135	0.3155E-04
0-15.00	0.3558E-03	-7.5 TO 52.5	0.5718E-04	82.5-142.5	0.5626E-04	0	0- 60	0.2309E-03	90-150	0.2309E-03
15-30.00	0.1055E-02	-7.5 TO 52.5	0.5327E-04	82.5-142.5	0.5130E-04	15	0- 60	0.2249E-03	90-150	0.2192E-03
30-45.00	0.1678E-02	-7.5 TO 52.5	0.4508E-04	82.5-142.5	0.4238E-04	30	0- 60	0.2002E-03	90-150	0.1901E-03
45-60.00	0.2187E-02	-7.5 TO 52.5	0.3351E-04	82.5-142.5	0.3063E-04	45	0- 60	0.1596E-03	90-150	0.1475E-03
60-75.00	0.2547E-02	-7.5 TO 52.5	0.1985E-04	82.5-142.5	0.1732E-04	60	0- 60	0.1079E-03	90-150	0.9623E-04
75-89.43	0.2627E-02	-7.5 TO 52.5	0.5831E-05	82.5-142.5	0.4125E-05	75	0- 60	0.5060E-04	90-150	0.4137E-04
0-15.00	0.4497E-03	-7.5 TO 67.5	0.5712E-04	82.5-157.5	0.5618E-04	0	0- 75	0.2887E-03	90-165	0.2887E-03
15-30.00	0.1319E-02	-7.5 TO 67.5	0.5315E-04	82.5-157.5	0.5114E-04	15	0- 75	0.2807E-03	90-165	0.2736E-03
30-45.00	0.2097E-02	-7.5 TO 67.5	0.4491E-04	82.5-157.5	0.4217E-04	30	0- 75	0.2494E-03	90-165	0.2368E-03
45-60.00	0.2733E-02	-7.5 TO 67.5	0.3333E-04	82.5-157.5	0.3041E-04	45	0- 75	0.1986E-03	90-165	0.1834E-03
60-75.00	0.3183E-02	-7.5 TO 67.5	0.1969E-04	82.5-157.5	0.1713E-04	60	0- 75	0.1338E-03	90-165	0.1193E-03
75-89.43	0.3284E-02	-7.5 TO 67.5	0.5721E-05	82.5-157.5	0.4005E-05	75	0- 75	0.6244E-04	90-165	0.5098E-04
0-15.00	0.5397E-03	-7.5 TO 82.5	0.5706E-04	82.5-172.5	0.5612E-04	0	0- 90	0.3464E-03	90-180	0.3464E-03
15-30.00	0.1582E-02	-7.5 TO 82.5	0.5300E-04	82.5-172.5	0.5101E-04	15	0- 90	0.3362E-03	90-180	0.3278E-03
30-45.00	0.2517E-02	-7.5 TO 82.5	0.4471E-04	82.5-172.5	0.4199E-04	30	0- 90	0.2981E-03	90-180	0.2834E-03
45-60.00	0.3280E-02	-7.5 TO 82.5	0.3312E-04	82.5-172.5	0.3023E-04	45	0- 90	0.2367E-03	90-180	0.2191E-03
60-75.00	0.3820E-02	-7.5 TO 82.5	0.1950E-04	82.5-172.5	0.1697E-04	60	0- 90	0.1592E-03	90-180	0.1423E-03
75-89.43	0.3941E-02	-7.5 TO 82.5	0.5593E-05	82.5-172.5	0.3908E-05	75	0- 90	0.7382E-04	90-180	0.6048E-04
0-15.00	0.6256E-03	-7.5 TO 97.5	0.5698E-04	82.5-187.5	0.5608E-04	0	0-105	0.4041E-03	90-195	0.4041E-03
15-30.00	0.1846E-02	-7.5 TO 97.5	0.5284E-04	82.5-187.5	0.5091E-04	15	0-105	0.3913E-03	90-195	0.3821E-03
30-45.00	0.2936E-02	-7.5 TO 97.5	0.4449E-04	82.5-187.5	0.4186E-04	30	0-105	0.3463E-03	90-195	0.3300E-03
45-60.00	0.3827E-02	-7.5 TO 97.5	0.3288E-04	82.5-187.5	0.3008E-04	45	0-105	0.2743E-03	90-195	0.2548E-03
60-75.00	0.4456E-02	-7.5 TO 97.5	0.1929E-04	82.5-187.5	0.1685E-04	60	0-105	0.1840E-03	90-195	0.1653E-03
75-89.43	0.4598E-02	-7.5 TO 97.5	0.5451E-05	82.5-187.5	0.3835E-05	75	0-105	0.8475E-04	90-195	0.6997E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(1) Continued. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0090$ $\cosh \mu_2 = 12.4887$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 100.52$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8594E-04	-7.5 TO 7.5	0.7001E-04	82.5- 97.5	0.6886E-04	0	0- 15	0.7033E-04	90-105	0.7033E-04
15-30.00	0.2637E-03	-7.5 TO 7.5	0.6565E-04	82.5- 97.5	0.6319E-04	15	0- 15	0.6909E-04	90-105	0.6719E-04
30-45.00	0.4155E-03	-7.5 TO 7.5	0.5995E-04	82.5- 97.5	0.5259E-04	30	0- 15	0.6200E-04	90-105	0.5865E-04
45-60.00	0.5467E-03	-7.5 TO 7.5	0.4189E-04	82.5- 97.5	0.3834E-04	45	0- 15	0.4982E-04	90-105	0.4581E-04
60-75.00	0.6366E-03	-7.5 TO 7.5	0.2505E-04	82.5- 97.5	0.2200E-04	60	0- 15	0.3398E-04	90-105	0.3017E-04
75-89.43	0.6568E-03	-7.5 TO 7.5	0.7603E-05	82.5- 97.5	0.5617E-05	75	0- 15	0.1623E-04	90-105	0.1329E-04
0-15.00	0.1799E-03	-7.5 TO 22.5	0.6999E-04	82.5-112.5	0.6872E-04	0	0- 30	0.1407E-03	90-120	0.1407E-03
15-30.00	0.5274E-03	-7.5 TO 22.5	0.6561E-04	82.5-112.5	0.6288E-04	15	0- 30	0.1381E-03	90-120	0.1339E-03
30-45.00	0.8390E-03	-7.5 TO 22.5	0.5589E-04	82.5-112.5	0.5217E-04	30	0- 30	0.1238E-03	90-120	0.1166E-03
45-60.00	0.1093E-02	-7.5 TO 22.5	0.4183E-04	82.5-112.5	0.3790E-04	45	0- 30	0.9939E-04	90-120	0.9075E-04
60-75.00	0.1273E-02	-7.5 TO 22.5	0.2499E-04	82.5-112.5	0.2162E-04	60	0- 30	0.6772E-04	90-120	0.5952E-04
75-89.43	0.1314E-02	-7.5 TO 22.5	0.7567E-05	82.5-112.5	0.5380E-05	75	0- 30	0.3227E-04	90-120	0.2596E-04
0-15.00	0.2698E-03	-7.5 TO 37.5	0.6995E-04	82.5-127.5	0.6858E-04	0	0- 45	0.2110E-03	90-135	0.2110E-03
15-30.00	0.7911E-03	-7.5 TO 37.5	0.6551E-04	82.5-127.5	0.6258E-04	15	0- 45	0.2068E-03	90-135	0.2003E-03
30-45.00	0.1258E-02	-7.5 TO 37.5	0.5576E-04	82.5-127.5	0.5177E-04	30	0- 45	0.1852E-03	90-135	0.1738E-03
45-60.00	0.1640E-02	-7.5 TO 37.5	0.4168E-04	82.5-127.5	0.3748E-04	45	0- 45	0.1485E-03	90-135	0.1349E-03
60-75.00	0.1910E-02	-7.5 TO 37.5	0.2487E-04	82.5-127.5	0.2127E-04	60	0- 45	0.1010E-03	90-135	0.8815E-04
75-89.43	0.1970E-02	-7.5 TO 37.5	0.7486E-05	82.5-127.5	0.5158E-05	75	0- 45	0.4796E-04	90-135	0.3809E-04
0-15.00	0.3598E-03	-7.5 TO 52.5	0.6988E-04	82.5-142.5	0.6845E-04	0	0- 60	0.2813E-03	90-150	0.2813E-03
15-30.00	0.1055E-02	-7.5 TO 52.5	0.6537E-04	82.5-142.5	0.6231E-04	15	0- 60	0.2758E-03	90-150	0.2664E-03
30-45.00	0.1678E-02	-7.5 TO 52.5	0.5556E-04	82.5-142.5	0.5140E-04	30	0- 60	0.2460E-03	90-150	0.2305E-03
45-60.00	0.2187E-02	-7.5 TO 52.5	0.4147E-04	82.5-142.5	0.3710E-04	45	0- 60	0.1969E-03	90-150	0.1785E-03
60-75.00	0.2547E-02	-7.5 TO 52.5	0.2468E-04	82.5-142.5	0.2095E-04	60	0- 60	0.1337E-03	90-150	0.1162E-03
75-89.43	0.2627E-02	-7.5 TO 52.5	0.7363E-05	82.5-142.5	0.4962E-05	75	0- 60	0.6315E-04	90-150	0.4980E-04
0-15.00	0.4497E-03	-7.5 TO 67.5	0.6979E-04	82.5-157.5	0.6833E-04	0	0- 75	0.3516E-03	90-165	0.3516E-03
15-30.00	0.1319E-02	-7.5 TO 67.5	0.6518E-04	82.5-157.5	0.6207E-04	15	0- 75	0.3433E-03	90-165	0.3323E-03
30-45.00	0.2097E-02	-7.5 TO 67.5	0.5530E-04	82.5-157.5	0.5108E-04	30	0- 75	0.3062E-03	90-165	0.2869E-03
45-60.00	0.2733E-02	-7.5 TO 67.5	0.4119E-04	82.5-157.5	0.3677E-04	45	0- 75	0.2445E-03	90-165	0.2216E-03
60-75.00	0.3183E-02	-7.5 TO 67.5	0.2445E-04	82.5-157.5	0.2067E-04	60	0- 75	0.1655E-03	90-165	0.1439E-03
75-89.43	0.3284E-02	-7.5 TO 67.5	0.7207E-05	82.5-157.5	0.4801E-05	75	0- 75	0.7774E-04	90-165	0.6120E-04
0-15.00	0.5397E-03	-7.5 TO 82.5	0.6969E-04	82.5-172.5	0.6824E-04	0	0- 90	0.4220E-03	90-180	0.4220E-03
15-30.00	0.1582E-02	-7.5 TO 82.5	0.6495E-04	82.5-172.5	0.6187E-04	15	0- 90	0.4109E-03	90-180	0.3980E-03
30-45.00	0.2517E-02	-7.5 TO 82.5	0.5499E-04	82.5-172.5	0.5081E-04	30	0- 90	0.3656E-03	90-180	0.3430E-03
45-60.00	0.3280E-02	-7.5 TO 82.5	0.4087E-04	82.5-172.5	0.3649E-04	45	0- 90	0.2912E-03	90-180	0.2644E-03
60-75.00	0.3820E-02	-7.5 TO 82.5	0.2417E-04	82.5-172.5	0.2044E-04	60	0- 90	0.1966E-03	90-180	0.1713E-03
75-89.43	0.3941E-02	-7.5 TO 82.5	0.7024E-05	82.5-172.5	0.4672E-05	75	0- 90	0.9168E-04	90-180	0.7246E-04
0-15.00	0.6296E-03	-7.5 TO 97.5	0.6957E-04	82.5-187.5	0.6817E-04	0	0-105	0.4923E-03	90-195	0.4923E-03
15-30.00	0.1846E-02	-7.5 TO 97.5	0.6470E-04	82.5-187.5	0.6172E-04	15	0-105	0.4781E-03	90-195	0.4638E-03
30-45.00	0.2936E-02	-7.5 TO 97.5	0.5465E-04	82.5-187.5	0.5060E-04	30	0-105	0.4242E-03	90-195	0.3992E-03
45-60.00	0.3827E-02	-7.5 TO 97.5	0.4051E-04	82.5-187.5	0.3628E-04	45	0-105	0.3371E-03	90-195	0.3073E-03
60-75.00	0.4456E-02	-7.5 TO 97.5	0.2386E-04	82.5-187.5	0.2026E-04	60	0-105	0.2267E-03	90-195	0.1987E-03
75-89.43	0.4598E-02	-7.5 TO 97.5	0.6823E-05	82.5-187.5	0.4574E-05	75	0-105	0.1050E-03	90-195	0.8371E-04

$r_2/r_1 = 0.80$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0090$ $\cosh \mu_2 = 12.4887$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 85.41$

0-15.00	0.8594E-04	-7.5 TO 7.5	0.7380E-04	82.5- 97.5	0.7233E-04	0	0- 15	0.7387E-04	90-105	0.7387E-04
15-30.00	0.2637E-03	-7.5 TO 7.5	0.6954E-04	82.5- 97.5	0.6638E-04	15	0- 15	0.7297E-04	90-105	0.7052E-04
30-45.00	0.4155E-03	-7.5 TO 7.5	0.5956E-04	82.5- 97.5	0.5525E-04	30	0- 15	0.6582E-04	90-105	0.6152E-04
45-60.00	0.5467E-03	-7.5 TO 7.5	0.4479E-04	82.5- 97.5	0.4029E-04	45	0- 15	0.5315E-04	90-105	0.4804E-04
60-75.00	0.6366E-03	-7.5 TO 7.5	0.2689E-04	82.5- 97.5	0.2312E-04	60	0- 15	0.3640E-04	90-105	0.3163E-04
75-89.43	0.6568E-03	-7.5 TO 7.5	0.8216E-05	82.5- 97.5	0.5909E-05	75	0- 15	0.1746E-04	90-105	0.1393E-04
0-15.00	0.1799E-03	-7.5 TO 22.5	0.7378E-04	82.5-112.5	0.7214E-04	0	0- 30	0.1477E-03	90-120	0.1477E-03
15-30.00	0.5274E-03	-7.5 TO 22.5	0.6948E-04	82.5-112.5	0.6599E-04	15	0- 30	0.1458E-03	90-120	0.1405E-03
30-45.00	0.8390E-03	-7.5 TO 22.5	0.5948E-04	82.5-112.5	0.5472E-04	30	0- 30	0.1314E-03	90-120	0.1221E-03
45-60.00	0.1093E-02	-7.5 TO 22.5	0.4471E-04	82.5-112.5	0.3975E-04	45	0- 30	0.1060E-03	90-120	0.9500E-04
60-75.00	0.1273E-02	-7.5 TO 22.5	0.2682E-04	82.5-112.5	0.2267E-04	60	0- 30	0.7250E-04	90-120	0.6227E-04
75-89.43	0.1314E-02	-7.5 TO 22.5	0.8174E-05	82.5-112.5	0.5641E-05	75	0- 30	0.3470E-04	90-120	0.2715E-04
0-15.00	0.2698E-03	-7.5 TO 37.5	0.7372E-04	82.5-127.5	0.7197E-04	0	0- 45	0.2216E-03	90-135	0.2216E-03
15-30.00	0.7911E-03	-7.5 TO 37.5	0.6936E-04	82.5-127.5	0.6561E-04	15	0- 45	0.2183E-03	90-135	0.2100E-03
30-45.00	0.1258E-02	-7.5 TO 37.5	0.5931E-04	82.5-127.5	0.5422E-04	30	0- 45	0.1964E-03	90-135	0.1819E-03
45-60.00	0.1640E-02	-7.5 TO 37.5	0.4452E-04	82.5-127.5	0.3923E-04	45	0- 45	0.1582E-03	90-135	0.1410E-03
60-75.00	0.1910E-02	-7.5 TO 37.5	0.2666E-04	82.5-127.5	0.2225E-04	60	0- 45	0.1080E-03	90-135	0.9205E-04
75-89.43	0.1970E-02	-7.5 TO 37.5	0.8077E-05	82.5-127.5	0.5393E-05	75	0- 45	0.5149E-04	90-135	0.3974E-04
0-15.00	0.3598E-03	-7.5 TO 52.5	0.7363E-04	82.5-142.5	0.7180E-04	0	0- 60	0.2955E-03	90-150	0.2955E-03
15-30.00	0.1055E-02	-7.5 TO 52.5	0.6917E-04	82.5-142.5	0.6527E-04	15	0- 60	0.2904E-03	90-150	0.2791E-03
30-45.00	0.1678E-02	-7.5 TO 52.5	0.5905E-04	82.5-142.5	0.5376E-04	30	0- 60	0.2607E-03	90-150	0.2410E-03
45-60.00	0.2187E-02	-7.5 TO 52.5	0.4425E-04	82.5-142.5	0.3877E-04	45	0- 60	0.2095E-03	90-150	0.1863E-03
60-75.00	0.2547E-02	-7.5 TO 52.5	0.2643E-04	82.5-142.5	0.2188E-04	60	0- 60	0.1427E-03	90-150	0.1211E-03
75-89.43	0.2627E-02	-7.5 TO 52.5	0.7933E-05	82.5-142.5	0.5177E-05	75	0- 60	0.6769E-04	90-150	0.5185E-04
0-15.00	0.4497E-03	-7.5 TO 67.5	0.7352E-04	82.5-157.5	0.7166E-04	0	0- 75	0.3693E-03	90-165	0.3693E-03
15-30.00	0.1319E-02	-7.5 TO 67.5	0.6892E-04	82.5-157.5	0.6497E-04	15	0- 75	0.3621E-03	90-165	0.3480E-03
30-45.00	0.2097E-02	-7.5 TO 67.5	0.5871E-04	82.5-157.5	0.5336E-04	30	0- 75	0.3242E-03	90-165	0.2997E-03
45-60.00	0.2733E-02	-7.5 TO 67.5	0.4390E-04	82.5-157.5	0.3836E-04	45	0- 75	0.2599E-03	90-165	0.2310E-03
60-75.00	0.3183E-02	-7.5 TO 67.5	0.2613E-04	82.5-157.5	0.2155E-04	60	0- 75	0.1765E-03	90-165	0.1497E-03
75-89.43	0.3284E-02	-7.5 TO 67.5	0.7749E-05	82.5-157.5	0.4999E-05	75	0- 75	0.8316E-04	90-165	0.6363E-04
0-15.00	0.5397E-03	-7.5 TO 82.5	0.7338E-04	82.5-172.5	0.7154E-04	0	0- 90	0.4432E-03	90-180	0.4432E-03
15-30.00	0.1582E-02	-7.5 TO 82.5	0.6863E-04	82.5-172.5	0.6472E-04	15	0- 90	0.4331E-03	90-180	0.4167E-03
30-45.00	0.2517E-02	-7.5 TO 82.5	0.5832E-04	82.5-172.5	0.5303E-04	30	0- 90	0.3867E-03	90-180	0.3581E-03
45-60.00	0.3280E-02	-7.5 TO 82.5	0.4348E-04	82.5-172.5	0.3803E-04	45	0- 90	0.3090E-03	90-180	0.2754E-03
60-75.00	0.3820E-02	-7.5 TO 82.5	0.2579E-04	82.5-172.5	0.2128E-04	60	0- 90	0.2092E-03	90-180	0.1781E-03
75-89.43	0.3941E-02	-7.5 TO 82.5	0.7536E-05	82.5-172.5	0.4857E-05	75	0- 90	0.9786E-04	90-180	0.7523E-04
0-15.00	0.6296E-03	-7.5 TO 97.5	0.7323E-04	82.5-187.5	0.7145E-04	0	0-105	0.5171E-03	90-195	0.5171E-03
15-30.00	0.1846E-02	-7.5 TO 97.5	0.6831E-04	82.5-187.5	0.6452E-04	15	0-105	0.5037E-03	90-195	0.4854E-03
30-45.00	0.2936E-02	-7.5 TO 97.5	0.5788E-04	82.5-187.5	0.5278E-04	30	0-105	0.4482E-03	90-195	0.4165E-03
45-60.00	0.3827E-02	-7.5 TO 97.5	0.4303E-04	82.5-187.5	0.3777E-04	45	0-105	0.3571E-03	90-195	0.3199E-03
60-75.00	0.4456E-02	-7.5 TO 97.5	0.2541E-04	82.5-187.5	0.2107E-04	60	0-105	0.2408E-03	90-195	0.2065E-03
75-89.43	0.4598E-02	-7.5 TO 97.5	0.7303E-05	82.5-187.5	0.4748E-05	75	0-105	0.1118E-03	90-195	0.8683E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(1) Continued. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0090$ $\cosh \mu_2 = 12.4887$ $\alpha_{2,max} = 90.57$ $\theta_{2,min} = 84.84$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8594E-04	-7.5 TO 7.5	0.7380E-04	82.5- 97.5	0.7233E-04	0	0- 15	0.7387E-04	90-105	0.7387E-04
15-30.00	0.2637E-03	-7.5 TO 7.5	0.6954E-04	82.5- 97.5	0.6638E-04	15	0- 15	0.7297E-04	90-105	0.7052E-04
30-45.00	0.4195E-03	-7.5 TO 7.5	0.5956E-04	82.5- 97.5	0.5525E-04	30	0- 15	0.6582E-04	90-105	0.6152E-04
45-60.00	0.5467E-03	-7.5 TO 7.5	0.4479E-04	82.5- 97.5	0.4029E-04	45	0- 15	0.5315E-04	90-105	0.4804E-04
60-75.00	0.6366E-03	-7.5 TO 7.5	0.2689E-04	82.5- 97.5	0.2312E-04	60	0- 15	0.3640E-04	90-105	0.3163E-04
75-89.43	0.6568E-03	-7.5 TO 7.5	0.8217E-05	82.5- 97.5	0.5909E-05	75	0- 15	0.1746E-04	90-105	0.1393E-04
0-15.00	0.1799E-03	-7.5 TO 22.5	0.7378E-04	82.5-112.5	0.7214E-04	0	0- 30	0.1477E-03	90-120	0.1477E-03
15-30.00	0.5274E-03	-7.5 TO 22.5	0.6948E-04	82.5-112.5	0.6599E-04	15	0- 30	0.1458E-03	90-120	0.1405E-03
30-45.00	0.8390E-03	-7.5 TO 22.5	0.5948E-04	82.5-112.5	0.5472E-04	30	0- 30	0.1314E-03	90-120	0.1221E-03
45-60.00	0.1093E-02	-7.5 TO 22.5	0.4471E-04	82.5-112.5	0.3975E-04	45	0- 30	0.1060E-03	90-120	0.9500E-04
60-75.00	0.1273E-02	-7.5 TO 22.5	0.2682E-04	82.5-112.5	0.2267E-04	60	0- 30	0.7250E-04	90-120	0.6227E-04
75-89.43	0.1314E-02	-7.5 TO 22.5	0.8174E-05	82.5-112.5	0.5641E-05	75	0- 30	0.3470E-04	90-120	0.2715E-04
0-15.00	0.2698E-03	-7.5 TO 37.5	0.7372E-04	82.5-127.5	0.7197E-04	0	0- 45	0.2216E-03	90-135	0.2216E-03
15-30.00	0.7911E-03	-7.5 TO 37.5	0.6936E-04	82.5-127.5	0.6561E-04	15	0- 45	0.2183E-03	90-135	0.2100E-03
30-45.00	0.1258E-02	-7.5 TO 37.5	0.5931E-04	82.5-127.5	0.5422E-04	30	0- 45	0.1964E-03	90-135	0.1819E-03
45-60.00	0.1640E-02	-7.5 TO 37.5	0.4452E-04	82.5-127.5	0.3923E-04	45	0- 45	0.1582E-03	90-135	0.1410E-03
60-75.00	0.1910E-02	-7.5 TO 37.5	0.2666E-04	82.5-127.5	0.2225E-04	60	0- 45	0.1080E-03	90-135	0.9205E-04
75-89.43	0.1970E-02	-7.5 TO 37.5	0.8078E-05	82.5-127.5	0.5393E-05	75	0- 45	0.5150E-04	90-135	0.3974E-04
0-15.00	0.3598E-03	-7.5 TO 52.5	0.7363E-04	82.5-142.5	0.7180E-04	0	0- 60	0.2955E-03	90-150	0.2955E-03
15-30.00	0.1055E-02	-7.5 TO 52.5	0.6917E-04	82.5-142.5	0.6527E-04	15	0- 60	0.2904E-03	90-150	0.2791E-03
30-45.00	0.1678E-02	-7.5 TO 52.5	0.5905E-04	82.5-142.5	0.5376E-04	30	0- 60	0.2607E-03	90-150	0.2410E-03
45-60.00	0.2187E-02	-7.5 TO 52.5	0.4425E-04	82.5-142.5	0.3877E-04	45	0- 60	0.2095E-03	90-150	0.1863E-03
60-75.00	0.2547E-02	-7.5 TO 52.5	0.2643E-04	82.5-142.5	0.2188E-04	60	0- 60	0.1427E-03	90-150	0.1211E-03
75-89.43	0.2627E-02	-7.5 TO 52.5	0.7933E-05	82.5-142.5	0.5177E-05	75	0- 60	0.6769E-04	90-150	0.5185E-04
0-15.00	0.4497E-03	-7.5 TO 67.5	0.7352E-04	82.5-157.5	0.7166E-04	0	0- 75	0.3693E-03	90-165	0.3693E-03
15-30.00	0.1319E-02	-7.5 TO 67.5	0.6892E-04	82.5-157.5	0.6497E-04	15	0- 75	0.3621E-03	90-165	0.3480E-03
30-45.00	0.2097E-02	-7.5 TO 67.5	0.5871E-04	82.5-157.5	0.5336E-04	30	0- 75	0.3242E-03	90-165	0.2997E-03
45-60.00	0.2733E-02	-7.5 TO 67.5	0.4390E-04	82.5-157.5	0.3836E-04	45	0- 75	0.2599E-03	90-165	0.2310E-03
60-75.00	0.2183E-02	-7.5 TO 67.5	0.2613E-04	82.5-157.5	0.2155E-04	60	0- 75	0.1765E-03	90-165	0.1497E-03
75-89.43	0.3284E-02	-7.5 TO 67.5	0.7749E-05	82.5-157.5	0.4999E-05	75	0- 75	0.8316E-04	90-165	0.6363E-04
0-15.00	0.5397E-03	-7.5 TO 82.5	0.7338E-04	82.5-172.5	0.7154E-04	0	0- 90	0.4432E-03	90-180	0.4432E-03
15-30.00	0.1582E-02	-7.5 TO 82.5	0.6863E-04	82.5-172.5	0.6472E-04	15	0- 90	0.4337E-03	90-180	0.4167E-03
30-45.00	0.2517E-02	-7.5 TO 82.5	0.5832E-04	82.5-172.5	0.5303E-04	30	0- 90	0.3867E-03	90-180	0.3581E-03
45-60.00	0.3280E-02	-7.5 TO 82.5	0.4348E-04	82.5-172.5	0.3803E-04	45	0- 90	0.3090E-03	90-180	0.2754E-03
60-75.00	0.3820E-02	-7.5 TO 82.5	0.2579E-04	82.5-172.5	0.2128E-04	60	0- 90	0.2092E-03	90-180	0.1781E-03
75-89.43	0.3941E-02	-7.5 TO 82.5	0.7536E-05	82.5-172.5	0.4857E-05	75	0- 90	0.9786E-04	90-180	0.7523E-04
0-15.00	0.6296E-03	-7.5 TO 97.5	0.7323E-04	82.5-187.5	0.7145E-04	0	0-105	0.5171E-03	90-195	0.5171E-03
15-30.00	0.1846E-02	-7.5 TO 97.5	0.6831E-04	82.5-187.5	0.6452E-04	15	0-105	0.5037E-03	90-195	0.4854E-03
30-45.00	0.2936E-02	-7.5 TO 97.5	0.5788E-04	82.5-187.5	0.5278E-04	30	0-105	0.4482E-03	90-195	0.4165E-03
45-60.00	0.3827E-02	-7.5 TO 97.5	0.4303E-04	82.5-187.5	0.3777E-04	45	0-105	0.3571E-03	90-195	0.3199E-03
60-75.00	0.4456E-02	-7.5 TO 97.5	0.2541E-04	82.5-187.5	0.2107E-04	60	0-105	0.2408E-03	90-195	0.2065E-03
75-89.43	0.4558E-02	-7.5 TO 97.5	0.7303E-05	82.5-187.5	0.4748E-05	75	0-105	0.1110E-03	90-195	0.8683E-04

$r_2/r_1 = 0.80$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0036$ $\cosh \mu_2 = 31.2455$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.52$

0-15.00	0.1429E-04	-7.5 TO 7.5	0.7547E-06	82.5- 97.5	0.7538E-06	0	0- 15	0.7680E-06	90-105	0.7680E-06
15-30.00	0.4190E-04	-7.5 TO 7.5	0.7003E-06	82.5- 97.5	0.6984E-06	15	0- 15	0.7410E-06	90-105	0.7395E-06
30-45.00	0.6666E-04	-7.5 TO 7.5	0.5954E-06	82.5- 97.5	0.5927E-06	30	0- 15	0.6597E-06	90-105	0.6570E-06
45-60.00	0.8687E-04	-7.5 TO 7.5	0.4491E-06	82.5- 97.5	0.4461E-06	45	0- 15	0.5314E-06	90-105	0.5281E-06
60-75.00	0.1012E-03	-7.5 TO 7.5	0.2738E-06	82.5- 97.5	0.2709E-06	60	0- 15	0.3674E-06	90-105	0.3640E-06
75-89.77	0.1069E-03	-7.5 TO 7.5	0.8594E-07	82.5- 97.5	0.8375E-07	75	0- 15	0.1811E-06	90-105	0.1781E-06
0-15.00	0.2858E-04	-7.5 TO 22.5	0.7547E-06	82.5-112.5	0.7537E-06	0	0- 30	0.1536E-05	90-120	0.1536E-05
15-30.00	0.8380E-04	-7.5 TO 22.5	0.7003E-06	82.5-112.5	0.6982E-06	15	0- 30	0.1482E-05	90-120	0.1479E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.5954E-06	82.5-112.5	0.5924E-06	30	0- 30	0.1319E-05	90-120	0.1313E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.4491E-06	82.5-112.5	0.4457E-06	45	0- 30	0.1063E-05	90-120	0.1055E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.2738E-06	82.5-112.5	0.2706E-06	60	0- 30	0.7346E-06	90-120	0.7271E-06
75-89.77	0.2138E-03	-7.5 TO 22.5	0.8590E-07	82.5-112.5	0.8346E-07	75	0- 30	0.3621E-06	90-120	0.3556E-06
0-15.00	0.4288E-04	-7.5 TO 37.5	0.7547E-06	82.5-127.5	0.7536E-06	0	0- 45	0.2304E-05	90-135	0.2304E-05
15-30.00	0.1257E-03	-7.5 TO 37.5	0.7002E-06	82.5-127.5	0.6979E-06	15	0- 45	0.2223E-05	90-135	0.2218E-05
30-45.00	0.2000E-03	-7.5 TO 37.5	0.5953E-06	82.5-127.5	0.5920E-06	30	0- 45	0.1978E-05	90-135	0.1969E-05
45-60.00	0.2606E-03	-7.5 TO 37.5	0.4489E-06	82.5-127.5	0.4453E-06	45	0- 45	0.1593E-05	90-135	0.1582E-05
60-75.00	0.3035E-03	-7.5 TO 37.5	0.2737E-06	82.5-127.5	0.2702E-06	60	0- 45	0.1101E-05	90-135	0.1090E-05
75-89.77	0.3206E-03	-7.5 TO 37.5	0.8582E-07	82.5-127.5	0.8319E-07	75	0- 45	0.5427E-06	90-135	0.5324E-06
0-15.00	0.5717E-04	-7.5 TO 52.5	0.7546E-06	82.5-142.5	0.7535E-06	0	0- 60	0.3072E-05	90-150	0.3072E-05
15-30.00	0.1676E-03	-7.5 TO 52.5	0.7001E-06	82.5-142.5	0.6977E-06	15	0- 60	0.2963E-05	90-150	0.2956E-05
30-45.00	0.2666E-03	-7.5 TO 52.5	0.5951E-06	82.5-142.5	0.5917E-06	30	0- 60	0.2637E-05	90-150	0.2625E-05
45-60.00	0.3475E-03	-7.5 TO 52.5	0.4488E-06	82.5-142.5	0.4450E-06	45	0- 60	0.2124E-05	90-150	0.2108E-05
60-75.00	0.4046E-03	-7.5 TO 52.5	0.2735E-06	82.5-142.5	0.2699E-06	60	0- 60	0.1468E-05	90-150	0.1452E-05
75-89.77	0.4275E-03	-7.5 TO 52.5	0.8569E-07	82.5-142.5	0.8295E-07	75	0- 60	0.7228E-06	90-150	0.7088E-06
0-15.00	0.7146E-04	-7.5 TO 67.5	0.7546E-06	82.5-157.5	0.7534E-06	0	0- 75	0.3840E-05	90-165	0.3840E-05
15-30.00	0.2095E-03	-7.5 TO 67.5	0.7000E-06	82.5-157.5	0.6975E-06	15	0- 75	0.3703E-05	90-165	0.3695E-05
30-45.00	0.3333E-03	-7.5 TO 67.5	0.5949E-06	82.5-157.5	0.5914E-06	30	0- 75	0.3295E-05	90-165	0.3280E-05
45-60.00	0.4343E-03	-7.5 TO 67.5	0.4485E-06	82.5-157.5	0.4446E-06	45	0- 75	0.2653E-05	90-165	0.2634E-05
60-75.00	0.5058E-03	-7.5 TO 67.5	0.2733E-06	82.5-157.5	0.2696E-06	60	0- 75	0.1833E-05	90-165	0.1813E-05
75-89.77	0.5344E-03	-7.5 TO 67.5	0.8552E-07	82.5-157.5	0.8273E-07	75	0- 75	0.9023E-06	90-165	0.8848E-06
0-15.00	0.8575E-04	-7.5 TO 82.5	0.7545E-06	82.5-172.5	0.7534E-06	0	0- 90	0.4608E-05	90-180	0.4608E-05
15-30.00	0.2514E-03	-7.5 TO 82.5	0.6998E-06	82.5-172.5	0.6974E-06	15	0- 90	0.4443E-05	90-180	0.4433E-05
30-45.00	0.3999E-03	-7.5 TO 82.5	0.5946E-06	82.5-172.5	0.5912E-06	30	0- 90	0.3953E-05	90-180	0.3935E-05
45-60.00	0.5212E-03	-7.5 TO 82.5	0.4482E-06	82.5-172.5	0.4444E-06	45	0- 90	0.3182E-05	90-180	0.3160E-05
60-75.00	0.6070E-03	-7.5 TO 82.5	0.2730E-06	82.5-172.5	0.2694E-06	60	0- 90	0.2198E-05	90-180	0.2174E-05
75-89.77	0.6413E-03	-7.5 TO 82.5	0.8532E-07	82.5-172.5	0.8255E-07	75	0- 90	0.1081E-05	90-180	0.1061E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.7544E-06	82.5-187.5	0.7533E-06	0	0-105	0.5376E-05	90-195	0.5376E-05
15-30.00	0.2933E-03	-7.5 TO 97.5	0.6996E-06	82.5-187.5	0.6973E-06	15	0-105	0.5183E-05	90-195	0.5172E-05
30-45.00	0.4666E-03	-7.5 TO 97.5	0.5944E-06	82.5-187.5	0.5910E-06	30	0-105	0.4610E-05	90-195	0.4590E-05
45-60.00	0.6081E-03	-7.5 TO 97.5	0.4479E-06	82.5-187.5	0.4442E-06	45	0-105	0.3710E-05	90-195	0.3685E-05
60-75.00	0.7081E-03	-7.5 TO 97.5	0.2727E-06	82.5-187.5	0.2692E-06	60	0-105	0.2562E-05	90-195	0.2536E-05
75-89.77	0.7481E-03	-7.5 TO 97.5	0.8509E-07	82.5-187.5	0.8241E-07	75	0-105	0.1259E-05	90-195	0.1236E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(i) Continued. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0036$ $\cosh \mu_2 = 31.2455$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 149.07$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.2810E-05	82.5- 97.5	0.2804E-05	0	0- 15	0.2857E-05	90-105	0.2857E-05
15-30.00	0.4190E-04	-7.5 TO 7.5	0.2612E-05	82.5- 97.5	0.2598E-05	15	0- 15	0.2761E-05	90-105	0.2750E-05
30-45.00	0.6666E-04	-7.5 TO 7.5	0.2225E-05	82.5- 97.5	0.2205E-05	30	0- 15	0.2462E-05	90-105	0.2443E-05
45-60.00	0.8667E-04	-7.5 TO 7.5	0.1682E-05	82.5- 97.5	0.1659E-05	45	0- 15	0.1988E-05	90-105	0.1963E-05
60-75.00	0.1012E-03	-7.5 TO 7.5	0.1029E-05	82.5- 97.5	0.1008E-05	60	0- 15	0.1378E-05	90-105	0.1352E-05
75-89.77	0.1069E-03	-7.5 TO 7.5	0.3275E-06	82.5- 97.5	0.3116E-06	75	0- 15	0.6834E-06	90-105	0.6613E-06
0-15.00	0.2858E-04	-7.5 TO 22.5	0.2810E-05	82.5-112.5	0.2803E-05	0	0- 30	0.5713E-05	90-120	0.5713E-05
15-30.00	0.8380E-04	-7.5 TO 22.5	0.2612E-05	82.5-112.5	0.2596E-05	15	0- 30	0.5521E-05	90-120	0.5498E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.2224E-05	82.5-112.5	0.2202E-05	30	0- 30	0.4924E-05	90-120	0.4881E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.1681E-05	82.5-112.5	0.1656E-05	45	0- 30	0.3974E-05	90-120	0.3920E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.1029E-05	82.5-112.5	0.1005E-05	60	0- 30	0.2754E-05	90-120	0.2699E-05
75-89.77	0.2138E-03	-7.5 TO 22.5	0.3272E-06	82.5-112.5	0.3095E-06	75	0- 30	0.1365E-05	90-120	0.1318E-05
0-15.00	0.4288E-04	-7.5 TO 37.5	0.2810E-05	82.5-127.5	0.2802E-05	0	0- 45	0.8570E-05	90-135	0.8570E-05
15-30.00	0.1257E-03	-7.5 TO 37.5	0.2611E-05	82.5-127.5	0.2594E-05	15	0- 45	0.8280E-05	90-135	0.8243E-05
30-45.00	0.2000E-03	-7.5 TO 37.5	0.2224E-05	82.5-127.5	0.2200E-05	30	0- 45	0.7383E-05	90-135	0.7316E-05
45-60.00	0.2606E-03	-7.5 TO 37.5	0.1680E-05	82.5-127.5	0.1654E-05	45	0- 45	0.5957E-05	90-135	0.5873E-05
60-75.00	0.3035E-03	-7.5 TO 37.5	0.1028E-05	82.5-127.5	0.1003E-05	60	0- 45	0.4127E-05	90-135	0.4041E-05
75-89.77	0.3206E-03	-7.5 TO 37.5	0.3266E-06	82.5-127.5	0.3076E-06	75	0- 45	0.2045E-05	90-135	0.1970E-05
0-15.00	0.5717E-04	-7.5 TO 52.5	0.2810E-05	82.5-142.5	0.2802E-05	0	0- 60	0.1143E-04	90-150	0.1143E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.2610E-05	82.5-142.5	0.2593E-05	15	0- 60	0.1104E-04	90-150	0.1099E-04
30-45.00	0.2666E-03	-7.5 TO 52.5	0.2222E-05	82.5-142.5	0.2197E-05	30	0- 60	0.9838E-05	90-150	0.9747E-05
45-60.00	0.3475E-03	-7.5 TO 52.5	0.1679E-05	82.5-142.5	0.1651E-05	45	0- 60	0.7936E-05	90-150	0.7821E-05
60-75.00	0.4046E-03	-7.5 TO 52.5	0.1027E-05	82.5-142.5	0.1000E-05	60	0- 60	0.5496E-05	90-150	0.5378E-05
75-89.77	0.4275E-03	-7.5 TO 52.5	0.3256E-06	82.5-142.5	0.3058E-06	75	0- 60	0.2721E-05	90-150	0.2618E-05
0-15.00	0.7146E-04	-7.5 TO 67.5	0.2809E-05	82.5-157.5	0.2801E-05	0	0- 75	0.1428E-04	90-165	0.1428E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.2609E-05	82.5-157.5	0.2591E-05	15	0- 75	0.1379E-04	90-165	0.1373E-04
30-45.00	0.3333E-03	-7.5 TO 67.5	0.2221E-05	82.5-157.5	0.2195E-05	30	0- 75	0.1229E-04	90-165	0.1218E-04
45-60.00	0.4343E-03	-7.5 TO 67.5	0.1677E-05	82.5-157.5	0.1649E-05	45	0- 75	0.9910E-05	90-165	0.9767E-05
60-75.00	0.5058E-03	-7.5 TO 67.5	0.1025E-05	82.5-157.5	0.9981E-06	60	0- 75	0.6860E-05	90-165	0.6713E-05
75-89.77	0.5344E-03	-7.5 TO 67.5	0.3244E-06	82.5-157.5	0.3042E-06	75	0- 75	0.3392E-05	90-165	0.3264E-05
0-15.00	0.8575E-04	-7.5 TO 82.5	0.2809E-05	82.5-172.5	0.2800E-05	0	0- 90	0.1714E-04	90-180	0.1714E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.2608E-05	82.5-172.5	0.2590E-05	15	0- 90	0.1655E-04	90-180	0.1647E-04
30-45.00	0.3999E-03	-7.5 TO 82.5	0.2219E-05	82.5-172.5	0.2194E-05	30	0- 90	0.1474E-04	90-180	0.1460E-04
45-60.00	0.5212E-03	-7.5 TO 82.5	0.1675E-05	82.5-172.5	0.1647E-05	45	0- 90	0.1188E-04	90-180	0.1171E-04
60-75.00	0.6070E-03	-7.5 TO 82.5	0.1023E-05	82.5-172.5	0.9963E-06	60	0- 90	0.8218E-05	90-180	0.8046E-05
75-89.77	0.6413E-03	-7.5 TO 82.5	0.3230E-06	82.5-172.5	0.3029E-06	75	0- 90	0.4059E-05	90-180	0.3909E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.2808E-05	82.5-187.5	0.2800E-05	0	0-105	0.2000E-04	90-195	0.2000E-04
15-30.00	0.2933E-03	-7.5 TO 97.5	0.2607E-05	82.5-187.5	0.2589E-05	15	0-105	0.1930E-04	90-195	0.1921E-04
30-45.00	0.4666E-03	-7.5 TO 97.5	0.2217E-05	82.5-187.5	0.2192E-05	30	0-105	0.1718E-04	90-195	0.1703E-04
45-60.00	0.6081E-03	-7.5 TO 97.5	0.1673E-05	82.5-187.5	0.1645E-05	45	0-105	0.1384E-04	90-195	0.1366E-04
60-75.00	0.7081E-03	-7.5 TO 97.5	0.1021E-05	82.5-187.5	0.9950E-06	60	0-105	0.9570E-05	90-195	0.9379E-05
75-89.77	0.7481E-03	-7.5 TO 97.5	0.3213E-06	82.5-187.5	0.3019E-06	75	0-105	0.4720E-05	90-195	0.4554E-05

$r_2/r_1 = 0.80$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0036$ $\cosh \mu_2 = 31.2455$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 133.69$

0-15.00	0.1429E-04	-7.5 TO 7.5	0.5598E-05	82.5- 97.5	0.5578E-05	0	0- 15	0.5683E-05	90-105	0.5683E-05
15-30.00	0.4190E-04	-7.5 TO 7.5	0.5211E-05	82.5- 97.5	0.5168E-05	15	0- 15	0.5502E-05	90-105	0.5470E-05
30-45.00	0.6666E-04	-7.5 TO 7.5	0.4446E-05	82.5- 97.5	0.4386E-05	30	0- 15	0.4916E-05	90-105	0.4857E-05
45-60.00	0.8667E-04	-7.5 TO 7.5	0.3368E-05	82.5- 97.5	0.3301E-05	45	0- 15	0.3976E-05	90-105	0.3902E-05
60-75.00	0.1012E-03	-7.5 TO 7.5	0.2067E-05	82.5- 97.5	0.2005E-05	60	0- 15	0.2762E-05	90-105	0.2688E-05
75-89.77	0.1069E-03	-7.5 TO 7.5	0.6658E-06	82.5- 97.5	0.6200E-06	75	0- 15	0.1377E-05	90-105	0.1314E-05
0-15.00	0.2858E-04	-7.5 TO 22.5	0.5597E-05	82.5-112.5	0.5576E-05	0	0- 30	0.1137E-04	90-120	0.1137E-04
15-30.00	0.8380E-04	-7.5 TO 22.5	0.5210E-05	82.5-112.5	0.5163E-05	15	0- 30	0.1100E-04	90-120	0.1093E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.4445E-05	82.5-112.5	0.4378E-05	30	0- 30	0.9829E-05	90-120	0.9702E-05
45-60.00	0.1737E-03	-7.5 TO 22.5	0.3366E-05	82.5-112.5	0.3293E-05	45	0- 30	0.7947E-05	90-120	0.7789E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.2066E-05	82.5-112.5	0.1997E-05	60	0- 30	0.5520E-05	90-120	0.5359E-05
75-89.77	0.2138E-03	-7.5 TO 22.5	0.6648E-06	82.5-112.5	0.6142E-06	75	0- 30	0.2751E-05	90-120	0.2613E-05
0-15.00	0.4288E-04	-7.5 TO 37.5	0.5597E-05	82.5-127.5	0.5573E-05	0	0- 45	0.1705E-04	90-135	0.1705E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.5208E-05	82.5-127.5	0.5157E-05	15	0- 45	0.1650E-04	90-135	0.1639E-04
30-45.00	0.2000E-03	-7.5 TO 37.5	0.4443E-05	82.5-127.5	0.4371E-05	30	0- 45	0.1473E-04	90-135	0.1453E-04
45-60.00	0.2606E-03	-7.5 TO 37.5	0.3364E-05	82.5-127.5	0.3284E-05	45	0- 45	0.1191E-04	90-135	0.1166E-04
60-75.00	0.3035E-03	-7.5 TO 37.5	0.2064E-05	82.5-127.5	0.1990E-05	60	0- 45	0.8269E-05	90-135	0.8016E-05
75-89.77	0.3206E-03	-7.5 TO 37.5	0.6630E-06	82.5-127.5	0.6086E-06	75	0- 45	0.4117E-05	90-135	0.3900E-05
0-15.00	0.5717E-04	-7.5 TO 52.5	0.5595E-05	82.5-142.5	0.5571E-05	0	0- 60	0.2273E-04	90-150	0.2273E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.5206E-05	82.5-142.5	0.5153E-05	15	0- 60	0.2199E-04	90-150	0.2184E-04
30-45.00	0.2666E-03	-7.5 TO 52.5	0.4439E-05	82.5-142.5	0.4364E-05	30	0- 60	0.1963E-04	90-150	0.1936E-04
45-60.00	0.3475E-03	-7.5 TO 52.5	0.3360E-05	82.5-142.5	0.3277E-05	45	0- 60	0.1586E-04	90-150	0.1552E-04
60-75.00	0.4046E-03	-7.5 TO 52.5	0.2060E-05	82.5-142.5	0.1983E-05	60	0- 60	0.1101E-04	90-150	0.1066E-04
75-89.77	0.4275E-03	-7.5 TO 52.5	0.6603E-06	82.5-142.5	0.6035E-06	75	0- 60	0.5472E-05	90-150	0.5177E-05
0-15.00	0.7146E-04	-7.5 TO 67.5	0.5594E-05	82.5-157.5	0.5569E-05	0	0- 75	0.2841E-04	90-165	0.2841E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.5203E-05	82.5-157.5	0.5148E-05	15	0- 75	0.2747E-04	90-155	0.2728E-04
30-45.00	0.3333E-03	-7.5 TO 67.5	0.4434E-05	82.5-157.5	0.4358E-05	30	0- 75	0.2451E-04	90-165	0.2417E-04
45-60.00	0.4343E-03	-7.5 TO 67.5	0.3355E-05	82.5-157.5	0.3270E-05	45	0- 75	0.1980E-04	90-165	0.1937E-04
60-75.00	0.5058E-03	-7.5 TO 67.5	0.2055E-05	82.5-157.5	0.1977E-05	60	0- 75	0.1373E-04	90-165	0.1330E-04
75-89.77	0.5344E-03	-7.5 TO 67.5	0.6568E-06	82.5-157.5	0.5991E-06	75	0- 75	0.6815E-05	90-165	0.6446E-05
0-15.00	0.8575E-04	-7.5 TO 82.5	0.5592E-05	82.5-172.5	0.5567E-05	0	0- 90	0.3410E-04	90-180	0.3410E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.5199E-05	82.5-172.5	0.5145E-05	15	0- 90	0.3295E-04	90-180	0.3273E-04
30-45.00	0.3999E-03	-7.5 TO 82.5	0.4429E-05	82.5-172.5	0.4353E-05	30	0- 90	0.2939E-04	90-180	0.2899E-04
45-60.00	0.5212E-03	-7.5 TO 82.5	0.3349E-05	82.5-172.5	0.3265E-05	45	0- 90	0.2371E-04	90-180	0.2322E-04
60-75.00	0.6070E-03	-7.5 TO 82.5	0.2050E-05	82.5-172.5	0.1972E-05	60	0- 90	0.1643E-04	90-180	0.1593E-04
75-89.77	0.6413E-03	-7.5 TO 82.5	0.6526E-06	82.5-172.5	0.5954E-06	75	0- 90	0.8143E-05	90-180	0.7712E-05
0-15.00	0.1000E-03	-7.5 TO 97.5	0.5590E-05	82.5-187.5	0.5566E-05	0	0-105	0.3978E-04	90-195	0.3978E-04
15-30.00	0.2933E-03	-7.5 TO 97.5	0.5194E-05	82.5-187.5	0.5142E-05	15	0-105	0.3842E-04	90-195	0.3817E-04
30-45.00	0.4666E-03	-7.5 TO 97.5	0.4423E-05	82.5-187.5	0.4349E-05	30	0-105	0.3424E-04	90-195	0.3380E-04
45-60.00	0.6081E-03	-7.5 TO 97.5	0.3342E-05	82.5-187.5	0.3261E-05	45	0-105	0.2762E-04	90-195	0.2706E-04
60-75.00	0.7081E-03	-7.5 TO 97.5	0.2043E-05	82.5-187.5	0.1968E-05	60	0-105	0.1912E-04	90-195	0.1856E-04
75-89.77	0.7481E-03	-7.5 TO 97.5	0.6479E-06	82.5-187.5	0.5925E-06	75	0-105	0.9457E-05	90-195	0.8977E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(i) Continued. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0036$ $\cosh \mu_2 = 31.2455$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 118.40$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.8349E-05	82.5- 97.5	0.8310E-05	0	0- 15	0.8466E-05	90-105	0.8466E-05
15-30.00	0.4190E-04	-7.5 TO 7.5	0.7784E-05	82.5- 97.5	0.7699E-05	15	0- 15	0.8212E-05	90-105	0.8146E-05
30-45.00	0.6666E-04	-7.5 TO 7.5	0.6653E-05	82.5- 97.5	0.6534E-05	30	0- 15	0.7350E-05	90-105	0.7233E-05
45-60.00	0.8687E-04	-7.5 TO 7.5	0.5049E-05	82.5- 97.5	0.4918E-05	45	0- 15	0.5954E-05	90-105	0.5810E-05
60-75.00	0.1012E-03	-7.5 TO 7.5	0.3108E-05	82.5- 97.5	0.2988E-05	60	0- 15	0.4146E-05	90-105	0.4001E-05
75-89.77	0.1069E-03	-7.5 TO 7.5	0.1010E-05	82.5- 97.5	0.9239E-06	75	0- 15	0.2076E-05	90-105	0.1954E-05
0-15.00	0.2858E-04	-7.5 TO 22.5	0.8348E-05	82.5-112.5	0.8305E-05	0	0- 30	0.1693E-04	90-120	0.1693E-04
15-30.00	0.8380E-04	-7.5 TO 22.5	0.7783E-05	82.5-112.5	0.7688E-05	15	0- 30	0.1642E-04	90-120	0.1628E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.6651E-05	82.5-112.5	0.6519E-05	30	0- 30	0.1469E-04	90-120	0.1444E-04
45-60.00	0.1737E-03	-7.5 TO 22.5	0.5047E-05	82.5-112.5	0.4901E-05	45	0- 30	0.1190E-04	90-120	0.1159E-04
60-75.00	0.2023E-03	-7.5 TO 22.5	0.3106E-05	82.5-112.5	0.2972E-05	60	0- 30	0.8283E-05	90-120	0.7969E-05
75-89.77	0.2138E-03	-7.5 TO 22.5	0.1008E-05	82.5-112.5	0.9130E-06	75	0- 30	0.4145E-05	90-120	0.3882E-05
0-15.00	0.4288E-04	-7.5 TO 37.5	0.8347E-05	82.5-127.5	0.8300E-05	0	0- 45	0.2540E-04	90-135	0.2540E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.7779E-05	82.5-127.5	0.7678E-05	15	0- 45	0.2462E-04	90-135	0.2440E-04
30-45.00	0.2000E-03	-7.5 TO 37.5	0.6647E-05	82.5-127.5	0.6504E-05	30	0- 45	0.2202E-04	90-135	0.2162E-04
45-60.00	0.2606E-03	-7.5 TO 37.5	0.5042E-05	82.5-127.5	0.4885E-05	45	0- 45	0.1783E-04	90-135	0.1734E-04
60-75.00	0.3035E-03	-7.5 TO 37.5	0.3101E-05	82.5-127.5	0.2958E-05	60	0- 45	0.1240E-04	90-135	0.1191E-04
75-89.77	0.3206E-03	-7.5 TO 37.5	0.1005E-05	82.5-127.5	0.9027E-06	75	0- 45	0.6199E-05	90-135	0.5785E-05
0-15.00	0.5717E-04	-7.5 TO 52.5	0.8344E-05	82.5-142.5	0.8295E-05	0	0- 60	0.3386E-04	90-150	0.3386E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.7774E-05	82.5-142.5	0.7668E-05	15	0- 60	0.3281E-04	90-150	0.3250E-04
30-45.00	0.2666E-03	-7.5 TO 52.5	0.6639E-05	82.5-142.5	0.6491E-05	30	0- 60	0.2933E-04	90-150	0.2879E-04
45-60.00	0.3475E-03	-7.5 TO 52.5	0.5034E-05	82.5-142.5	0.4871E-05	45	0- 60	0.2373E-04	90-150	0.2306E-04
60-75.00	0.4046E-03	-7.5 TO 52.5	0.3094E-05	82.5-142.5	0.2945E-05	60	0- 60	0.1650E-04	90-150	0.1582E-04
75-89.77	0.4275E-03	-7.5 TO 52.5	0.9996E-06	82.5-142.5	0.8933E-06	75	0- 60	0.8233E-05	90-150	0.7669E-05
0-15.00	0.7146E-04	-7.5 TO 67.5	0.8341E-05	82.5-157.5	0.8291E-05	0	0- 75	0.4233E-04	90-165	0.4233E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.7768E-05	82.5-157.5	0.7660E-05	15	0- 75	0.4098E-04	90-165	0.4060E-04
30-45.00	0.3333E-03	-7.5 TO 67.5	0.6630E-05	82.5-157.5	0.6479E-05	30	0- 75	0.3662E-04	90-165	0.3594E-04
45-60.00	0.4343E-03	-7.5 TO 67.5	0.5024E-05	82.5-157.5	0.4858E-05	45	0- 75	0.2961E-04	90-165	0.2877E-04
60-75.00	0.5058E-03	-7.5 TO 67.5	0.3085E-05	82.5-157.5	0.2933E-05	60	0- 75	0.2057E-04	90-165	0.1972E-04
75-89.77	0.5344E-03	-7.5 TO 67.5	0.9930E-06	82.5-157.5	0.8850E-06	75	0- 75	0.1024E-04	90-165	0.9540E-05
0-15.00	0.8575E-04	-7.5 TO 82.5	0.8338E-05	82.5-172.5	0.8288E-05	0	0- 90	0.5079E-04	90-180	0.5079E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.7760E-05	82.5-172.5	0.7653E-05	15	0- 90	0.4915E-04	90-180	0.4870E-04
30-45.00	0.3999E-03	-7.5 TO 82.5	0.6619E-05	82.5-172.5	0.6469E-05	30	0- 90	0.4388E-04	90-180	0.4308E-04
45-60.00	0.5212E-03	-7.5 TO 82.5	0.5012E-05	82.5-172.5	0.4847E-05	45	0- 90	0.3545E-04	90-180	0.3447E-04
60-75.00	0.6070E-03	-7.5 TO 82.5	0.3074E-05	82.5-172.5	0.2923E-05	60	0- 90	0.2460E-04	90-180	0.2362E-04
75-89.77	0.6413E-03	-7.5 TO 82.5	0.9851E-06	82.5-172.5	0.8781E-06	75	0- 90	0.1222E-04	90-180	0.1140E-04
0-15.00	0.1000E-03	-7.5 TO 97.5	0.8334E-05	82.5-187.5	0.8286E-05	0	0-105	0.5926E-04	90-195	0.5926E-04
15-30.00	0.2933E-03	-7.5 TO 97.5	0.7751E-05	82.5-187.5	0.7647E-05	15	0-105	0.5729E-04	90-195	0.5680E-04
30-45.00	0.4666E-03	-7.5 TO 97.5	0.6607E-05	82.5-187.5	0.6462E-05	30	0-105	0.5111E-04	90-195	0.5023E-04
45-60.00	0.6081E-03	-7.5 TO 97.5	0.4998E-05	82.5-187.5	0.4839E-05	45	0-105	0.4126E-04	90-195	0.4017E-04
60-75.00	0.7081E-03	-7.5 TO 97.5	0.3061E-05	82.5-187.5	0.2916E-05	60	0-105	0.2860E-04	90-195	0.2751E-04
75-89.77	0.7481E-03	-7.5 TO 97.5	0.9764E-06	82.5-187.5	0.8728E-06	75	0-105	0.1418E-04	90-195	0.1327E-04

$r_2/r_1 = 0.80$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0036$ $\cosh \mu_2 = 31.2455$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 103.22$

0-15.00	0.1429E-04	-7.5 TO 7.5	0.1032E-04	82.5- 97.5	0.1026E-04	0	0- 15	0.1045E-04	90-105	0.1045E-04
15-30.00	0.4190E-04	-7.5 TO 7.5	0.9636E-05	82.5- 97.5	0.9502E-05	15	0- 15	0.1015E-04	90-105	0.1005E-04
30-45.00	0.6666E-04	-7.5 TO 7.5	0.8251E-05	82.5- 97.5	0.8064E-05	30	0- 15	0.9106E-05	90-105	0.8922E-05
45-60.00	0.8687E-04	-7.5 TO 7.5	0.6273E-05	82.5- 97.5	0.6070E-05	45	0- 15	0.7391E-05	90-105	0.7165E-05
60-75.00	0.1012E-03	-7.5 TO 7.5	0.3869E-05	82.5- 97.5	0.3688E-05	60	0- 15	0.5155E-05	90-105	0.4933E-05
75-89.77	0.1069E-03	-7.5 TO 7.5	0.1264E-05	82.5- 97.5	0.1141E-05	75	0- 15	0.2589E-05	90-105	0.2409E-05
0-15.00	0.2858E-04	-7.5 TO 22.5	0.1032E-04	82.5-112.5	0.1025E-04	0	0- 30	0.2090E-04	90-120	0.2090E-04
15-30.00	0.8380E-04	-7.5 TO 22.5	0.9634E-05	82.5-112.5	0.9485E-05	15	0- 30	0.2030E-04	90-120	0.2008E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.8248E-05	82.5-112.5	0.8040E-05	30	0- 30	0.1820E-04	90-120	0.1780E-04
45-60.00	0.1737E-03	-7.5 TO 22.5	0.6269E-05	82.5-112.5	0.6044E-05	45	0- 30	0.1477E-04	90-120	0.1428E-04
60-75.00	0.2023E-03	-7.5 TO 22.5	0.3866E-05	82.5-112.5	0.3665E-05	60	0- 30	0.1030E-04	90-120	0.9817E-05
75-89.77	0.2138E-03	-7.5 TO 22.5	0.1262E-05	82.5-112.5	0.1125E-05	75	0- 30	0.5167E-05	90-120	0.4779E-05
0-15.00	0.4288E-04	-7.5 TO 37.5	0.1031E-04	82.5-127.5	0.1024E-04	0	0- 45	0.3134E-04	90-135	0.3134E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.9629E-05	82.5-127.5	0.9468E-05	15	0- 45	0.3044E-04	90-135	0.3009E-04
30-45.00	0.2000E-03	-7.5 TO 37.5	0.8240E-05	82.5-127.5	0.8018E-05	30	0- 45	0.2727E-04	90-135	0.2665E-04
45-60.00	0.2606E-03	-7.5 TO 37.5	0.6261E-05	82.5-127.5	0.6020E-05	45	0- 45	0.2212E-04	90-135	0.2135E-04
60-75.00	0.3035E-03	-7.5 TO 37.5	0.3859E-05	82.5-127.5	0.3643E-05	60	0- 45	0.1541E-04	90-135	0.1466E-04
75-89.77	0.3206E-03	-7.5 TO 37.5	0.1257E-05	82.5-127.5	0.1110E-05	75	0- 45	0.7724E-05	90-135	0.7113E-05
0-15.00	0.5717E-04	-7.5 TO 52.5	0.1031E-04	82.5-142.5	0.1023E-04	0	0- 60	0.4179E-04	90-150	0.4179E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.9621E-05	82.5-142.5	0.9453E-05	15	0- 60	0.4056E-04	90-150	0.4008E-04
30-45.00	0.2666E-03	-7.5 TO 52.5	0.8229E-05	82.5-142.5	0.7997E-05	30	0- 60	0.3632E-04	90-150	0.3546E-04
45-60.00	0.3475E-03	-7.5 TO 52.5	0.6249E-05	82.5-142.5	0.5997E-05	45	0- 60	0.2943E-04	90-150	0.2838E-04
60-75.00	0.4046E-03	-7.5 TO 52.5	0.3848E-05	82.5-142.5	0.3623E-05	60	0- 60	0.2049E-04	90-150	0.1946E-04
75-89.77	0.4275E-03	-7.5 TO 52.5	0.1250E-05	82.5-142.5	0.1097E-05	75	0- 60	0.1025E-04	90-150	0.9420E-05
0-15.00	0.7146E-04	-7.5 TO 67.5	0.1031E-04	82.5-157.5	0.1023E-04	0	0- 75	0.5224E-04	90-165	0.5224E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.9610E-05	82.5-157.5	0.9440E-05	15	0- 75	0.5066E-04	90-165	0.5005E-04
30-45.00	0.3333E-03	-7.5 TO 67.5	0.8215E-05	82.5-157.5	0.7978E-05	30	0- 75	0.4532E-04	90-165	0.4425E-04
45-60.00	0.4343E-03	-7.5 TO 67.5	0.6233E-05	82.5-157.5	0.5977E-05	45	0- 75	0.3670E-04	90-165	0.3539E-04
60-75.00	0.5058E-03	-7.5 TO 67.5	0.3834E-05	82.5-157.5	0.3605E-05	60	0- 75	0.2553E-04	90-165	0.2424E-04
75-89.77	0.5344E-03	-7.5 TO 67.5	0.1240E-05	82.5-157.5	0.1085E-05	75	0- 75	0.1274E-04	90-165	0.1171E-04
0-15.00	0.8575E-04	-7.5 TO 82.5	0.1030E-04	82.5-172.5	0.1022E-04	0	0- 90	0.6269E-04	90-180	0.6269E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.9598E-05	82.5-172.5	0.9429E-05	15	0- 90	0.6073E-04	90-180	0.6003E-04
30-45.00	0.3999E-03	-7.5 TO 82.5	0.8198E-05	82.5-172.5	0.7963E-05	30	0- 90	0.5429E-04	90-180	0.5304E-04
45-60.00	0.5212E-03	-7.5 TO 82.5	0.6215E-05	82.5-172.5	0.5961E-05	45	0- 90	0.4392E-04	90-180	0.4239E-04
60-75.00	0.6070E-03	-7.5 TO 82.5	0.3817E-05	82.5-172.5	0.3591E-05	60	0- 90	0.3051E-04	90-180	0.2901E-04
75-89.77	0.6413E-03	-7.5 TO 82.5	0.1229E-05	82.5-172.5	0.1075E-05	75	0- 90	0.1519E-04	90-180	0.1398E-04
0-15.00	0.1000E-03	-7.5 TO 97.5	0.1029E-04	82.5-187.5	0.1022E-04	0	0-105	0.7314E-04	90-195	0.7314E-04
15-30.00	0.2933E-03	-7.5 TO 97.5	0.9584E-05	82.5-187.5	0.9420E-05	15	0-105	0.7078E-04	90-195	0.7000E-04
30-45.00	0.4666E-03	-7.5 TO 97.5	0.8179E-05	82.5-187.5	0.7951E-05	30	0-105	0.6321E-04	90-195	0.6182E-04
45-60.00	0.6081E-03	-7.5 TO 97.5	0.6194E-05	82.5-187.5	0.5948E-05	45	0-105	0.5108E-04	90-195	0.4938E-04
60-75.00	0.7081E-03	-7.5 TO 97.5	0.3799E-05	82.5-187.5	0.3580E-05	60	0-105	0.3544E-04	90-195	0.3377E-04
75-89.77	0.7481E-03	-7.5 TO 97.5	0.1216E-05	82.5-187.5	0.1068E-05	75	0-105	0.1760E-04	90-195	0.1626E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(i) Continued. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0036$ $\cosh \mu_2 = 31.2455$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 88.17$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.1098E-04	82.5- 97.5	0.1090E-04	0	0- 15	0.1111E-04	90-105	0.1111E-04
15-30.00	0.4190E-04	-7.5 TO 7.5	0.1028E-04	82.5- 97.5	0.1010E-04	15	0- 15	0.1082E-04	90-105	0.1068E-04
30-45.00	0.6666E-04	-7.5 TO 7.5	0.8819E-05	82.5- 97.5	0.8573E-05	30	0- 15	0.9723E-05	90-105	0.9479E-05
45-60.00	0.8687E-04	-7.5 TO 7.5	0.6716E-05	82.5- 97.5	0.6453E-05	45	0- 15	0.7907E-05	90-105	0.7611E-05
60-75.00	0.1012E-03	-7.5 TO 7.5	0.4149E-05	82.5- 97.5	0.3921E-05	60	0- 15	0.5524E-05	90-105	0.5239E-05
75-89.77	0.1069E-03	-7.5 TO 7.5	0.1359E-05	82.5- 97.5	0.1213E-05	75	0- 15	0.2779E-05	90-105	0.2558E-05
0-15.00	0.2858E-04	-7.5 TO 22.5	0.1098E-04	82.5-112.5	0.1089E-04	0	0- 30	0.2221E-04	90-120	0.2221E-04
15-30.00	0.8380E-04	-7.5 TO 22.5	0.1028E-04	82.5-112.5	0.1008E-04	15	0- 30	0.2163E-04	90-120	0.2133E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.8815E-05	82.5-112.5	0.8542E-05	30	0- 30	0.1943E-04	90-120	0.1890E-04
45-60.00	0.1737E-03	-7.5 TO 22.5	0.6712E-05	82.5-112.5	0.6420E-05	45	0- 30	0.1580E-04	90-120	0.1516E-04
60-75.00	0.2023E-03	-7.5 TO 22.5	0.4145E-05	82.5-112.5	0.3892E-05	60	0- 30	0.1103E-04	90-120	0.1042E-04
75-89.77	0.2138E-03	-7.5 TO 22.5	0.1356E-05	82.5-112.5	0.1195E-05	75	0- 30	0.5544E-05	90-120	0.5069E-05
0-15.00	0.4288E-04	-7.5 TO 37.5	0.1098E-04	82.5-127.5	0.1088E-04	0	0- 45	0.3332E-04	90-135	0.3332E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.1027E-04	82.5-127.5	0.1006E-04	15	0- 45	0.3242E-04	90-135	0.3196E-04
30-45.00	0.2000E-03	-7.5 TO 37.5	0.8805E-05	82.5-127.5	0.8512E-05	30	0- 45	0.2911E-04	90-135	0.2828E-04
45-60.00	0.2606E-03	-7.5 TO 37.5	0.6701E-05	82.5-127.5	0.6388E-05	45	0- 45	0.2365E-04	90-135	0.2264E-04
60-75.00	0.3035E-03	-7.5 TO 37.5	0.4136E-05	82.5-127.5	0.3865E-05	60	0- 45	0.1650E-04	90-135	0.1554E-04
75-89.77	0.3206E-03	-7.5 TO 37.5	0.1350E-05	82.5-127.5	0.1177E-05	75	0- 45	0.8283E-05	90-135	0.7537E-05
0-15.00	0.5717E-04	-7.5 TO 52.5	0.1097E-04	82.5-142.5	0.1087E-04	0	0- 60	0.4443E-04	90-150	0.4443E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.1026E-04	82.5-142.5	0.1004E-04	15	0- 60	0.4320E-04	90-150	0.4256E-04
30-45.00	0.2666E-03	-7.5 TO 52.5	0.8791E-05	82.5-142.5	0.8485E-05	30	0- 60	0.3875E-04	90-150	0.3762E-04
45-60.00	0.3475E-03	-7.5 TO 52.5	0.6686E-05	82.5-142.5	0.6359E-05	45	0- 60	0.3145E-04	90-150	0.3008E-04
60-75.00	0.4046E-03	-7.5 TO 52.5	0.4122E-05	82.5-142.5	0.3840E-05	60	0- 60	0.2193E-04	90-150	0.2061E-04
75-89.77	0.4275E-03	-7.5 TO 52.5	0.1342E-05	82.5-142.5	0.1162E-05	75	0- 60	0.1099E-04	90-150	0.9971E-05
0-15.00	0.7146E-04	-7.5 TO 67.5	0.1097E-04	82.5-157.5	0.1086E-04	0	0- 75	0.5553E-04	90-165	0.5553E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.1024E-04	82.5-157.5	0.1002E-04	15	0- 75	0.5394E-04	90-165	0.5314E-04
30-45.00	0.3333E-03	-7.5 TO 67.5	0.8772E-05	82.5-157.5	0.8461E-05	30	0- 75	0.4834E-04	90-165	0.4693E-04
45-60.00	0.4343E-03	-7.5 TO 67.5	0.6665E-05	82.5-157.5	0.6334E-05	45	0- 75	0.3920E-04	90-165	0.3749E-04
60-75.00	0.5058E-03	-7.5 TO 67.5	0.4105E-05	82.5-157.5	0.3819E-05	60	0- 75	0.2730E-04	90-165	0.2566E-04
75-89.77	0.5344E-03	-7.5 TO 67.5	0.1330E-05	82.5-157.5	0.1148E-05	75	0- 75	0.1364E-04	90-165	0.1238E-04
0-15.00	0.8575E-04	-7.5 TO 82.5	0.1096E-04	82.5-172.5	0.1086E-04	0	0- 90	0.6664E-04	90-180	0.6664E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.1023E-04	82.5-172.5	0.1000E-04	15	0- 90	0.6465E-04	90-180	0.6372E-04
30-45.00	0.3999E-03	-7.5 TO 82.5	0.8749E-05	82.5-172.5	0.8441E-05	30	0- 90	0.5788E-04	90-180	0.5622E-04
45-60.00	0.5212E-03	-7.5 TO 82.5	0.6641E-05	82.5-172.5	0.6313E-05	45	0- 90	0.4688E-04	90-180	0.4488E-04
60-75.00	0.6070E-03	-7.5 TO 82.5	0.4084E-05	82.5-172.5	0.3801E-05	60	0- 90	0.3260E-04	90-180	0.3069E-04
75-89.77	0.6413E-03	-7.5 TO 82.5	0.1317E-05	82.5-172.5	0.1137E-05	75	0- 90	0.1625E-04	90-180	0.1478E-04
0-15.00	0.1000E-03	-7.5 TO 97.5	0.1095E-04	82.5-187.5	0.1085E-04	0	0-105	0.7775E-04	90-195	0.7775E-04
15-30.00	0.2933E-03	-7.5 TO 97.5	0.1021E-04	82.5-187.5	0.9993E-05	15	0-105	0.7533E-04	90-195	0.7429E-04
30-45.00	0.4666E-03	-7.5 TO 97.5	0.8724E-05	82.5-187.5	0.8425E-05	30	0-105	0.6736E-04	90-195	0.6552E-04
45-60.00	0.6081E-03	-7.5 TO 97.5	0.6614E-05	82.5-187.5	0.6297E-05	45	0-105	0.5449E-04	90-195	0.5227E-04
60-75.00	0.7081E-03	-7.5 TO 97.5	0.4060E-05	82.5-187.5	0.3787E-05	60	0-105	0.3784E-04	90-195	0.3572E-04
75-89.77	0.7481E-03	-7.5 TO 97.5	0.1302E-05	82.5-187.5	0.1128E-05	75	0-105	0.1881E-04	90-195	0.1718E-04

$r_2/r_1 = 0.80$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0036$ $\cosh \mu_2 = 31.2455$ $\alpha_{2,max} = 90.23$ $\theta_{2,min} = 87.94$

0-15.00	0.1429E-04	-7.5 TO 7.5	0.1098E-04	82.5- 97.5	0.1090E-04	0	0- 15	0.1111E-04	90-105	0.1111E-04
15-30.00	0.4190E-04	-7.5 TO 7.5	0.1028E-04	82.5- 97.5	0.1010E-04	15	0- 15	0.1082E-04	90-105	0.1068E-04
30-45.00	0.6666E-04	-7.5 TO 7.5	0.8819E-05	82.5- 97.5	0.8573E-05	30	0- 15	0.9723E-05	90-105	0.9479E-05
45-60.00	0.8687E-04	-7.5 TO 7.5	0.6716E-05	82.5- 97.5	0.6453E-05	45	0- 15	0.7907E-05	90-105	0.7611E-05
60-75.00	0.1012E-03	-7.5 TO 7.5	0.4149E-05	82.5- 97.5	0.3921E-05	60	0- 15	0.5524E-05	90-105	0.5239E-05
75-89.77	0.1069E-03	-7.5 TO 7.5	0.1359E-05	82.5- 97.5	0.1213E-05	75	0- 15	0.2779E-05	90-105	0.2558E-05
0-15.00	0.2858E-04	-7.5 TO 22.5	0.1098E-04	82.5-112.5	0.1089E-04	0	0- 30	0.2221E-04	90-120	0.2221E-04
15-30.00	0.8380E-04	-7.5 TO 22.5	0.1028E-04	82.5-112.5	0.1008E-04	15	0- 30	0.2163E-04	90-120	0.2133E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.8815E-05	82.5-112.5	0.8542E-05	30	0- 30	0.1943E-04	90-120	0.1890E-04
45-60.00	0.1737E-03	-7.5 TO 22.5	0.6712E-05	82.5-112.5	0.6420E-05	45	0- 30	0.1580E-04	90-120	0.1516E-04
60-75.00	0.2023E-03	-7.5 TO 22.5	0.4145E-05	82.5-112.5	0.3892E-05	60	0- 30	0.1103E-04	90-120	0.1042E-04
75-89.77	0.2138E-03	-7.5 TO 22.5	0.1356E-05	82.5-112.5	0.1195E-05	75	0- 30	0.5544E-05	90-120	0.5069E-05
0-15.00	0.4288E-04	-7.5 TO 37.5	0.1098E-04	82.5-127.5	0.1088E-04	0	0- 45	0.3332E-04	90-135	0.3332E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.1027E-04	82.5-127.5	0.1006E-04	15	0- 45	0.3242E-04	90-135	0.3196E-04
30-45.00	0.2000E-03	-7.5 TO 37.5	0.8805E-05	82.5-127.5	0.8512E-05	30	0- 45	0.2911E-04	90-135	0.2828E-04
45-60.00	0.2606E-03	-7.5 TO 37.5	0.6701E-05	82.5-127.5	0.6388E-05	45	0- 45	0.2365E-04	90-135	0.2264E-04
60-75.00	0.3035E-03	-7.5 TO 37.5	0.4136E-05	82.5-127.5	0.3865E-05	60	0- 45	0.1650E-04	90-135	0.1554E-04
75-89.77	0.3206E-03	-7.5 TO 37.5	0.1350E-05	82.5-127.5	0.1177E-05	75	0- 45	0.8283E-05	90-135	0.7537E-05
0-15.00	0.5717E-04	-7.5 TO 52.5	0.1097E-04	82.5-142.5	0.1087E-04	0	0- 60	0.4443E-04	90-150	0.4443E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.1026E-04	82.5-142.5	0.1004E-04	15	0- 60	0.4320E-04	90-150	0.4256E-04
30-45.00	0.2666E-03	-7.5 TO 52.5	0.8791E-05	82.5-142.5	0.8485E-05	30	0- 60	0.3875E-04	90-150	0.3762E-04
45-60.00	0.3475E-03	-7.5 TO 52.5	0.6686E-05	82.5-142.5	0.6359E-05	45	0- 60	0.3145E-04	90-150	0.3008E-04
60-75.00	0.4046E-03	-7.5 TO 52.5	0.4122E-05	82.5-142.5	0.3840E-05	60	0- 60	0.2193E-04	90-150	0.2061E-04
75-89.77	0.4275E-03	-7.5 TO 52.5	0.1342E-05	82.5-142.5	0.1162E-05	75	0- 60	0.1099E-04	90-150	0.9971E-05
0-15.00	0.7146E-04	-7.5 TO 67.5	0.1097E-04	82.5-157.5	0.1086E-04	0	0- 75	0.5553E-04	90-165	0.5553E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.1024E-04	82.5-157.5	0.1002E-04	15	0- 75	0.5394E-04	90-165	0.5314E-04
30-45.00	0.3333E-03	-7.5 TO 67.5	0.8772E-05	82.5-157.5	0.8461E-05	30	0- 75	0.4834E-04	90-165	0.4693E-04
45-60.00	0.4343E-03	-7.5 TO 67.5	0.6665E-05	82.5-157.5	0.6334E-05	45	0- 75	0.3920E-04	90-165	0.3749E-04
60-75.00	0.5058E-03	-7.5 TO 67.5	0.4105E-05	82.5-157.5	0.3819E-05	60	0- 75	0.2730E-04	90-165	0.2566E-04
75-89.77	0.5344E-03	-7.5 TO 67.5	0.1330E-05	82.5-157.5	0.1148E-05	75	0- 75	0.1364E-04	90-165	0.1238E-04
0-15.00	0.8575E-04	-7.5 TO 82.5	0.1096E-04	82.5-172.5	0.1086E-04	0	0- 90	0.6664E-04	90-180	0.6664E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.1023E-04	82.5-172.5	0.1000E-04	15	0- 90	0.6465E-04	90-180	0.6372E-04
30-45.00	0.3999E-03	-7.5 TO 82.5	0.8749E-05	82.5-172.5	0.8441E-05	30	0- 90	0.5788E-04	90-180	0.5622E-04
45-60.00	0.5212E-03	-7.5 TO 82.5	0.6641E-05	82.5-172.5	0.6313E-05	45	0- 90	0.4688E-04	90-180	0.4488E-04
60-75.00	0.6070E-03	-7.5 TO 82.5	0.4084E-05	82.5-172.5	0.3801E-05	60	0- 90	0.3260E-04	90-180	0.3069E-04
75-89.77	0.6413E-03	-7.5 TO 82.5	0.1317E-05	82.5-172.5	0.1137E-05	75	0- 90	0.1625E-04	90-180	0.1478E-04
0-15.00	0.1000E-03	-7.5 TO 97.5	0.1095E-04	82.5-187.5	0.1085E-04	0	0-105	0.7775E-04	90-195	0.7775E-04
15-30.00	0.2933E-03	-7.5 TO 97.5	0.1021E-04	82.5-187.5	0.9993E-05	15	0-105	0.7533E-04	90-195	0.7429E-04
30-45.00	0.4666E-03	-7.5 TO 97.5	0.8724E-05	82.5-187.5	0.8425E-05	30	0-105	0.6736E-04	90-195	0.6552E-04
45-60.00	0.6081E-03	-7.5 TO 97.5	0.6614E-05	82.5-187.5	0.6297E-05	45	0-105	0.5449E-04	90-195	0.5227E-04
60-75.00	0.7081E-03	-7.5 TO 97.5	0.4060E-05	82.5-187.5	0.3787E-05	60	0-105	0.3784E-04	90-195	0.3572E-04
75-89.77	0.7481E-03	-7.5 TO 97.5	0.1302E-05	82.5-187.5	0.1128E-05	75	0-105	0.1881E-04	90-195	0.1718E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(i) Continued. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0018$ $\cosh \mu_2 = 62.4977$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.76$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1		Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5	TO 7.5	0.1820E-06	82.5- 97.5	0.1819E-06	0	0- 15	0.1851E-06	90-105	0.1851E-06
15-30.00	0.1046E-04	-7.5	TO 7.5	0.1692E-06	82.5- 97.5	0.1690E-06	15	0- 15	0.1787E-06	90-105	0.1786E-06
30-45.00	0.1665E-04	-7.5	TO 7.5	0.1446E-06	82.5- 97.5	0.1443E-06	30	0- 15	0.1597E-06	90-105	0.1594E-06
45-60.00	0.2170E-04	-7.5	TO 7.5	0.1100E-06	82.5- 97.5	0.1097E-06	45	0- 15	0.1295E-06	90-105	0.1291E-06
60-75.00	0.2526E-04	-7.5	TO 7.5	0.6814E-07	82.5- 97.5	0.6780E-07	60	0- 15	0.9059E-07	90-105	0.9018E-07
75-89.85	0.2690E-04	-7.5	TO 7.5	0.2234E-07	82.5- 97.5	0.2207E-07	75	0- 15	0.4580E-07	90-105	0.4543E-07
0-15.00	0.7139E-05	-7.5	TO 22.5	0.1820E-06	82.5-112.5	0.1818E-06	0	0- 30	0.3703E-06	90-120	0.3703E-06
15-30.00	0.2093E-04	-7.5	TO 22.5	0.1692E-06	82.5-112.5	0.1690E-06	15	0- 30	0.3574E-06	90-120	0.3571E-06
30-45.00	0.3329E-04	-7.5	TO 22.5	0.1446E-06	82.5-112.5	0.1442E-06	30	0- 30	0.3194E-06	90-120	0.3187E-06
45-60.00	0.4339E-04	-7.5	TO 22.5	0.1100E-06	82.5-112.5	0.1096E-06	45	0- 30	0.2590E-06	90-120	0.2582E-06
60-75.00	0.5053E-04	-7.5	TO 22.5	0.6814E-07	82.5-112.5	0.6775E-07	60	0- 30	0.1812E-06	90-120	0.1803E-06
75-89.85	0.5381E-04	-7.5	TO 22.5	0.2233E-07	82.5-112.5	0.2203E-07	75	0- 30	0.9157E-07	90-120	0.9078E-07
0-15.00	0.1071E-04	-7.5	TO 37.5	0.1820E-06	82.5-127.5	0.1818E-06	0	0- 45	0.5554E-06	90-135	0.5554E-06
15-30.00	0.3139E-04	-7.5	TO 37.5	0.1692E-06	82.5-127.5	0.1689E-06	15	0- 45	0.5361E-06	90-135	0.5356E-06
30-45.00	0.4994E-04	-7.5	TO 37.5	0.1446E-06	82.5-127.5	0.1442E-06	30	0- 45	0.4790E-06	90-135	0.4780E-06
45-60.00	0.6509E-04	-7.5	TO 37.5	0.1100E-06	82.5-127.5	0.1096E-06	45	0- 45	0.3885E-06	90-135	0.3872E-06
60-75.00	0.7579E-04	-7.5	TO 37.5	0.6812E-07	82.5-127.5	0.6771E-07	60	0- 45	0.2717E-06	90-135	0.2703E-06
75-89.85	0.8071E-04	-7.5	TO 37.5	0.2232E-07	82.5-127.5	0.2200E-07	75	0- 45	0.1373E-06	90-135	0.1361E-06
0-15.00	0.1428E-04	-7.5	TO 52.5	0.1819E-06	82.5-142.5	0.1818E-06	0	0- 60	0.7406E-06	90-150	0.7406E-06
15-30.00	0.4186E-04	-7.5	TO 52.5	0.1692E-06	82.5-142.5	0.1689E-06	15	0- 60	0.7148E-06	90-150	0.7140E-06
30-45.00	0.6659E-04	-7.5	TO 52.5	0.1446E-06	82.5-142.5	0.1442E-06	30	0- 60	0.6386E-06	90-150	0.6372E-06
45-60.00	0.8678E-04	-7.5	TO 52.5	0.1100E-06	82.5-142.5	0.1095E-06	45	0- 60	0.5179E-06	90-150	0.5161E-06
60-75.00	0.1011E-03	-7.5	TO 52.5	0.6810E-07	82.5-142.5	0.6767E-07	60	0- 60	0.3621E-06	90-150	0.3602E-06
75-89.85	0.1076E-03	-7.5	TO 52.5	0.2230E-07	82.5-142.5	0.2197E-07	75	0- 60	0.1830E-06	90-150	0.1813E-06
0-15.00	0.1785E-04	-7.5	TO 67.5	0.1819E-06	82.5-157.5	0.1818E-06	0	0- 75	0.9257E-06	90-165	0.9257E-06
15-30.00	0.5232E-04	-7.5	TO 67.5	0.1692E-06	82.5-157.5	0.1689E-06	15	0- 75	0.8934E-06	90-165	0.8925E-06
30-45.00	0.8324E-04	-7.5	TO 67.5	0.1445E-06	82.5-157.5	0.1441E-06	30	0- 75	0.7981E-06	90-165	0.7963E-06
45-60.00	0.1085E-03	-7.5	TO 67.5	0.1100E-06	82.5-157.5	0.1095E-06	45	0- 75	0.6472E-06	90-165	0.6449E-06
60-75.00	0.1263E-03	-7.5	TO 67.5	0.6808E-07	82.5-157.5	0.6763E-07	60	0- 75	0.4525E-06	90-165	0.4501E-06
75-89.85	0.1345E-03	-7.5	TO 67.5	0.2228E-07	82.5-157.5	0.2194E-07	75	0- 75	0.2286E-06	90-165	0.2264E-06
0-15.00	0.2142E-04	-7.5	TO 82.5	0.1819E-06	82.5-172.5	0.1818E-06	0	0- 90	0.1111E-05	90-180	0.1111E-05
15-30.00	0.6279E-04	-7.5	TO 82.5	0.1691E-06	82.5-172.5	0.1689E-06	15	0- 90	0.1072E-05	90-180	0.1071E-05
30-45.00	0.9988E-04	-7.5	TO 82.5	0.1445E-06	82.5-172.5	0.1441E-06	30	0- 90	0.9574E-06	90-180	0.9555E-06
45-60.00	0.1302E-03	-7.5	TO 82.5	0.1099E-06	82.5-172.5	0.1095E-06	45	0- 90	0.7765E-06	90-180	0.7738E-06
60-75.00	0.1516E-03	-7.5	TO 82.5	0.6805E-07	82.5-172.5	0.6761E-07	60	0- 90	0.5428E-06	90-180	0.5400E-06
75-89.85	0.1614E-03	-7.5	TO 82.5	0.2226E-07	82.5-172.5	0.2192E-07	75	0- 90	0.2741E-06	90-180	0.2716E-06
0-15.00	0.2499E-04	-7.5	TO 97.5	0.1819E-06	82.5-187.5	0.1818E-06	0	0-105	0.1296E-05	90-195	0.1296E-05
15-30.00	0.7325E-04	-7.5	TO 97.5	0.1691E-06	82.5-187.5	0.1689E-06	15	0-105	0.1251E-05	90-195	0.1249E-05
30-45.00	0.1165E-03	-7.5	TO 97.5	0.1445E-06	82.5-187.5	0.1441E-06	30	0-105	0.1117E-05	90-195	0.1115E-05
45-60.00	0.1519E-03	-7.5	TO 97.5	0.1099E-06	82.5-187.5	0.1094E-06	45	0-105	0.9056E-06	90-195	0.9026E-06
60-75.00	0.1769E-03	-7.5	TO 97.5	0.6801E-07	82.5-187.5	0.6758E-07	60	0-105	0.6329E-06	90-195	0.6298E-06
75-89.85	0.1883E-03	-7.5	TO 97.5	0.2223E-07	82.5-187.5	0.2190E-07	75	0-105	0.3195E-06	90-195	0.3168E-06

$r_2/r_1 = 0.80$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0018$ $\cosh \mu_2 = 62.4977$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 149.54$

0-15.00	0.3569E-05	-7.5	TO 7.5	0.6783E-06	82.5- 97.5	0.6776E-06	0	0- 15	0.6898E-06	90-105	0.6898E-06
15-30.00	0.1046E-04	-7.5	TO 7.5	0.6313E-06	82.5- 97.5	0.6296E-06	15	0- 15	0.6665E-06	90-105	0.6652E-06
30-45.00	0.1665E-04	-7.5	TO 7.5	0.5400E-06	82.5- 97.5	0.5376E-06	30	0- 15	0.5960E-06	90-105	0.5937E-06
45-60.00	0.2170E-04	-7.5	TO 7.5	0.4113E-06	82.5- 97.5	0.4086E-06	45	0- 15	0.4839E-06	90-105	0.4810E-06
60-75.00	0.2526E-04	-7.5	TO 7.5	0.2552E-06	82.5- 97.5	0.2526E-06	60	0- 15	0.3389E-06	90-105	0.3358E-06
75-89.85	0.2690E-04	-7.5	TO 7.5	0.8417E-07	82.5- 97.5	0.8222E-07	75	0- 15	0.1718E-06	90-105	0.1691E-06
0-15.00	0.7139E-05	-7.5	TO 22.5	0.6783E-06	82.5-112.5	0.6775E-06	0	0- 30	0.1380E-05	90-120	0.1380E-05
15-30.00	0.2093E-04	-7.5	TO 22.5	0.6313E-06	82.5-112.5	0.6294E-06	15	0- 30	0.1333E-05	90-120	0.1330E-05
30-45.00	0.3329E-04	-7.5	TO 22.5	0.5399E-06	82.5-112.5	0.5373E-06	30	0- 30	0.1192E-05	90-120	0.1187E-05
45-60.00	0.4339E-04	-7.5	TO 22.5	0.4112E-06	82.5-112.5	0.4083E-06	45	0- 30	0.9677E-06	90-120	0.9614E-06
60-75.00	0.5053E-04	-7.5	TO 22.5	0.2551E-06	82.5-112.5	0.2523E-06	60	0- 30	0.6775E-06	90-120	0.6710E-06
75-89.85	0.5381E-04	-7.5	TO 22.5	0.8414E-07	82.5-112.5	0.8197E-07	75	0- 30	0.3434E-06	90-120	0.3377E-06
0-15.00	0.1071E-04	-7.5	TO 37.5	0.6783E-06	82.5-127.5	0.6774E-06	0	0- 45	0.2069E-05	90-135	0.2069E-05
15-30.00	0.3139E-04	-7.5	TO 37.5	0.6312E-06	82.5-127.5	0.6292E-06	15	0- 45	0.1999E-05	90-135	0.1995E-05
30-45.00	0.4994E-04	-7.5	TO 37.5	0.5398E-06	82.5-127.5	0.5370E-06	30	0- 45	0.1788E-05	90-135	0.1780E-05
45-60.00	0.6509E-04	-7.5	TO 37.5	0.4111E-06	82.5-127.5	0.4079E-06	45	0- 45	0.1451E-05	90-135	0.1441E-05
60-75.00	0.7579E-04	-7.5	TO 37.5	0.2550E-06	82.5-127.5	0.2520E-06	60	0- 45	0.1016E-05	90-135	0.1006E-05
75-89.85	0.8071E-04	-7.5	TO 37.5	0.8406E-07	82.5-127.5	0.8173E-07	75	0- 45	0.5148E-06	90-135	0.5057E-06
0-15.00	0.1428E-04	-7.5	TO 52.5	0.6783E-06	82.5-142.5	0.6773E-06	0	0- 60	0.2759E-05	90-150	0.2759E-05
15-30.00	0.4186E-04	-7.5	TO 52.5	0.6311E-06	82.5-142.5	0.6290E-06	15	0- 60	0.2665E-05	90-150	0.2659E-05
30-45.00	0.6659E-04	-7.5	TO 52.5	0.5397E-06	82.5-142.5	0.5367E-06	30	0- 60	0.2383E-05	90-150	0.2372E-05
45-60.00	0.8678E-04	-7.5	TO 52.5	0.4110E-06	82.5-142.5	0.4076E-06	45	0- 60	0.1934E-05	90-150	0.1920E-05
60-75.00	0.1011E-03	-7.5	TO 52.5	0.2549E-06	82.5-142.5	0.2517E-06	60	0- 60	0.1354E-05	90-150	0.1340E-05
75-89.85	0.1076E-03	-7.5	TO 52.5	0.8395E-07	82.5-142.5	0.8151E-07	75	0- 60	0.6857E-06	90-150	0.6732E-06
0-15.00	0.1785E-04	-7.5	TO 67.5	0.6782E-06	82.5-157.5	0.6772E-06	0	0- 75	0.3449E-05	90-165	0.3449E-05
15-30.00	0.5232E-04	-7.5	TO 67.5	0.6310E-06	82.5-157.5	0.6289E-06	15	0- 75	0.3331E-05	90-165	0.3324E-05
30-45.00	0.8324E-04	-7.5	TO 67.5	0.5395E-06	82.5-157.5	0.5365E-06	30	0- 75	0.2978E-05	90-165	0.2964E-05
45-60.00	0.1085E-03	-7.5	TO 67.5	0.4108E-06	82.5-157.5	0.4074E-06	45	0- 75	0.2416E-05	90-165	0.2399E-05
60-75.00	0.1263E-03	-7.5	TO 67.5	0.2547E-06	82.5-157.5	0.2514E-06	60	0- 75	0.1691E-05	90-165	0.1673E-05
75-89.85	0.1345E-03	-7.5	TO 67.5	0.8380E-07	82.5-157.5	0.8132E-07	75	0- 75	0.8560E-06	90-165	0.8405E-06
0-15.00	0.2142E-04	-7.5	TO 82.5	0.6781E-06	82.5-172.5	0.6772E-06	0	0- 90	0.4139E-05	90-180	0.4139E-05
15-30.00	0.6279E-04	-7.5	TO 82.5	0.6308E-06	82.5-172.5	0.6287E-06	15	0- 90	0.3997E-05	90-180	0.3988E-05
30-45.00	0.9988E-04	-7.5	TO 82.5	0.5393E-06	82.5-172.5	0.5363E-06	30	0- 90	0.3572E-05	90-180	0.3556E-05
45-60.00	0.1302E-03	-7.5	TO 82.5	0.4105E-06	82.5-172.5	0.4071E-06	45	0- 90	0.2898E-05	90-180	0.2878E-05
60-75.00	0.1516E-03	-7.5	TO 82.5	0.2544E-06	82.5-172.5	0.2512E-06	60	0- 90	0.2027E-05	90-180	0.2007E-05
75-89.85	0.1614E-03	-7.5	TO 82.5	0.8362E-07	82.5-172.5	0.8116E-07	75	0- 90	0.1026E-05	90-180	0.1008E-05
0-15.00	0.2499E-04	-7.5	TO 97.5	0.6780E-06	82.5-187.5	0.6771E-06	0	0-105	0.4829E-05	90-195	0.4829E-05
15-30.00	0.7325E-04	-7.5	TO 97.5	0.6307E-06	82.5-187.5	0.6286E-06	15	0-105	0.4662E-05	90-195	0.4652E-05
30-45.00	0.1165E-03	-7.5	TO 97.5	0.5390E-06	82.5-187.5	0.5361E-06	30	0-105	0.4166E-05	90-195	0.4148E-05
45-60.00	0.1519E-03	-7.5	TO 97.5	0.4103E-06	82.5-187.5	0.4070E-06	45	0-105	0.3379E-05	90-195	0.3357E-05
60-75.00	0.1769E-03	-7.5	TO 97.5	0.2542E-06	82.5-187.5	0.2510E-06	60	0-105	0.2363E-05	90-195	0.2340E-05
75-89.85	0.1883E-03	-7.5	TO 97.5	0.8342E-07	82.5-187.5	0.8104E-07	75	0-105	0.1195E-05	90-195	0.1175E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(i) Continued. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0018$ $\cosh \mu_2 = 62.4977$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 134.35$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.1354E-05	82.5- 97.5	0.1352E-05	0	0- 15	0.1376E-05	90-105	0.1376E-05
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1261E-05	82.5- 97.5	0.1256E-05	15	0- 15	0.1331E-05	90-105	0.1327E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1079E-05	82.5- 97.5	0.1072E-05	30	0- 15	0.1191E-05	90-105	0.1184E-05
45-60.00	0.2170E-04	-7.5 TO 7.5	0.8231E-06	82.5- 97.5	0.8151E-06	45	0- 15	0.9679E-06	90-105	0.9592E-06
60-75.00	0.2526E-04	-7.5 TO 7.5	0.5114E-06	82.5- 97.5	0.5039E-06	60	0- 15	0.6785E-06	90-105	0.6696E-06
75-89.89	0.2690E-04	-7.5 TO 7.5	0.1696E-06	82.5- 97.5	0.1640E-06	75	0- 15	0.3449E-06	90-105	0.3371E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.1354E-05	82.5-112.5	0.1351E-05	0	0- 30	0.2752E-05	90-120	0.2752E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1261E-05	82.5-112.5	0.1255E-05	15	0- 30	0.2661E-05	90-120	0.2653E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.1079E-05	82.5-112.5	0.1071E-05	30	0- 30	0.2382E-05	90-120	0.2367E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.8229E-06	82.5-112.5	0.8141E-06	45	0- 30	0.1935E-05	90-120	0.1916E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.5113E-06	82.5-112.5	0.5030E-06	60	0- 30	0.1357E-05	90-120	0.1337E-05
75-89.89	0.5381E-04	-7.5 TO 22.5	0.1695E-06	82.5-112.5	0.1633E-06	75	0- 30	0.6893E-06	90-120	0.6725E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1354E-05	82.5-127.5	0.1351E-05	0	0- 45	0.4128E-05	90-135	0.4128E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1261E-05	82.5-127.5	0.1255E-05	15	0- 45	0.3991E-05	90-135	0.3978E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.1079E-05	82.5-127.5	0.1071E-05	30	0- 45	0.3571E-05	90-135	0.3548E-05
45-60.00	0.6509E-04	-7.5 TO 37.5	0.8226E-06	82.5-127.5	0.8131E-06	45	0- 45	0.2902E-05	90-135	0.2872E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.5110E-06	82.5-127.5	0.5020E-06	60	0- 45	0.2033E-05	90-135	0.2003E-05
75-89.89	0.8071E-04	-7.5 TO 37.5	0.1693E-06	82.5-127.5	0.1626E-06	75	0- 45	0.1033E-05	90-135	0.1006E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1354E-05	82.5-142.5	0.1351E-05	0	0- 60	0.5504E-05	90-150	0.5504E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.1260E-05	82.5-142.5	0.1254E-05	15	0- 60	0.5320E-05	90-150	0.5303E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.1079E-05	82.5-142.5	0.1070E-05	30	0- 60	0.4760E-05	90-150	0.4728E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.8221E-06	82.5-142.5	0.8122E-06	45	0- 60	0.3866E-05	90-150	0.3826E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.5106E-06	82.5-142.5	0.5012E-06	60	0- 60	0.2709E-05	90-150	0.2667E-05
75-89.89	0.1076E-03	-7.5 TO 52.5	0.1690E-06	82.5-142.5	0.1620E-06	75	0- 60	0.1375E-05	90-150	0.1339E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1353E-05	82.5-157.5	0.1351E-05	0	0- 75	0.6880E-05	90-165	0.6880E-05
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1260E-05	82.5-157.5	0.1254E-05	15	0- 75	0.6649E-05	90-165	0.6627E-05
30-45.00	0.8324E-04	-7.5 TO 67.5	0.1078E-05	82.5-157.5	0.1069E-05	30	0- 75	0.5947E-05	90-165	0.5907E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.8215E-06	82.5-157.5	0.8114E-06	45	0- 75	0.4830E-05	90-165	0.4779E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.5100E-06	82.5-157.5	0.5004E-06	60	0- 75	0.3383E-05	90-165	0.3331E-05
75-89.89	0.1345E-03	-7.5 TO 67.5	0.1685E-06	82.5-157.5	0.1614E-06	75	0- 75	0.1716E-05	90-165	0.1671E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.1353E-05	82.5-172.5	0.1350E-05	0	0- 90	0.8256E-05	90-180	0.8256E-05
15-30.00	0.6279E-04	-7.5 TO 82.5	0.1260E-05	82.5-172.5	0.1253E-05	15	0- 90	0.7977E-05	90-180	0.7951E-05
30-45.00	0.9988E-04	-7.5 TO 82.5	0.1077E-05	82.5-172.5	0.1069E-05	30	0- 90	0.7133E-05	90-180	0.7086E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.8208E-06	82.5-172.5	0.8108E-06	45	0- 90	0.5791E-05	90-180	0.5732E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.5093E-06	82.5-172.5	0.4998E-06	60	0- 90	0.4054E-05	90-180	0.3994E-05
75-89.89	0.1614E-03	-7.5 TO 82.5	0.1680E-06	82.5-172.5	0.1610E-06	75	0- 90	0.2055E-05	90-180	0.2002E-05
0-15.00	0.2499E-04	-7.5 TO 97.5	0.1353E-05	82.5-187.5	0.1350E-05	0	0-105	0.9632E-05	90-195	0.9632E-05
15-30.00	0.7325E-04	-7.5 TO 97.5	0.1259E-05	82.5-187.5	0.1253E-05	15	0-105	0.9304E-05	90-195	0.9275E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1077E-05	82.5-187.5	0.1068E-05	30	0-105	0.8317E-05	90-195	0.8265E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.8200E-06	82.5-187.5	0.8103E-06	45	0-105	0.6750E-05	90-195	0.6684E-05
60-75.00	0.1769E-03	-7.5 TO 97.5	0.5085E-06	82.5-187.5	0.4993E-06	60	0-105	0.4724E-05	90-195	0.4656E-05
75-89.89	0.1883E-03	-7.5 TO 97.5	0.1675E-06	82.5-187.5	0.1606E-06	75	0-105	0.2392E-05	90-195	0.2333E-05

$r_2/r_1 = 0.80$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0018$ $\cosh \mu_2 = 62.4977$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 119.20$

0-15.00	0.3569E-05	-7.5 TO 7.5	0.2025E-05	82.5- 97.5	0.2021E-05	0	0- 15	0.2057E-05	90-105	0.2057E-05
15-30.00	0.1046E-04	-7.5 TO 7.5	0.1888E-05	82.5- 97.5	0.1878E-05	15	0- 15	0.1991E-05	90-105	0.1983E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1617E-05	82.5- 97.5	0.1603E-05	30	0- 15	0.1784E-05	90-105	0.1770E-05
45-60.00	0.2170E-04	-7.5 TO 7.5	0.1234E-05	82.5- 97.5	0.1219E-05	45	0- 15	0.1451E-05	90-105	0.1433E-05
60-75.00	0.2526E-04	-7.5 TO 7.5	0.7679E-06	82.5- 97.5	0.7534E-06	60	0- 15	0.1018E-05	90-105	0.1001E-05
75-89.89	0.2690E-04	-7.5 TO 7.5	0.2558E-06	82.5- 97.5	0.2452E-06	75	0- 15	0.5185E-06	90-105	0.5036E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.2025E-05	82.5-112.5	0.2020E-05	0	0- 30	0.4114E-05	90-120	0.4114E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1888E-05	82.5-112.5	0.1876E-05	15	0- 30	0.3982E-05	90-120	0.3965E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.1617E-05	82.5-112.5	0.1601E-05	30	0- 30	0.3566E-05	90-120	0.3536E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1234E-05	82.5-112.5	0.1217E-05	45	0- 30	0.2900E-05	90-120	0.2863E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.7677E-06	82.5-112.5	0.7515E-06	60	0- 30	0.2035E-05	90-120	0.1997E-05
75-89.89	0.5381E-04	-7.5 TO 22.5	0.2556E-06	82.5-112.5	0.2439E-06	75	0- 30	0.1036E-05	90-120	0.1004E-05
0-15.00	0.1071E-04	-7.5 TO 37.5	0.2025E-05	82.5-127.5	0.2019E-05	0	0- 45	0.6171E-05	90-135	0.6171E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.1887E-05	82.5-127.5	0.1875E-05	15	0- 45	0.5971E-05	90-135	0.5945E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.1617E-05	82.5-127.5	0.1600E-05	30	0- 45	0.5348E-05	90-135	0.5300E-05
45-60.00	0.6509E-04	-7.5 TO 37.5	0.1233E-05	82.5-127.5	0.1215E-05	45	0- 45	0.4348E-05	90-135	0.4289E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.7671E-06	82.5-127.5	0.7497E-06	60	0- 45	0.3050E-05	90-135	0.2990E-05
75-89.89	0.8071E-04	-7.5 TO 37.5	0.2552E-06	82.5-127.5	0.2426E-06	75	0- 45	0.1552E-05	90-135	0.1501E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.2025E-05	82.5-142.5	0.2019E-05	0	0- 60	0.8228E-05	90-150	0.8228E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.1887E-05	82.5-142.5	0.1874E-05	15	0- 60	0.7960E-05	90-150	0.7924E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.1616E-05	82.5-142.5	0.1598E-05	30	0- 60	0.7126E-05	90-150	0.7062E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.1232E-05	82.5-142.5	0.1213E-05	45	0- 60	0.5793E-05	90-150	0.5713E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.7662E-06	82.5-142.5	0.7481E-06	60	0- 60	0.4062E-05	90-150	0.3981E-05
75-89.89	0.1076E-03	-7.5 TO 52.5	0.2546E-06	82.5-142.5	0.2414E-06	75	0- 60	0.2065E-05	90-150	0.1996E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.2024E-05	82.5-157.5	0.2018E-05	0	0- 75	0.1029E-04	90-165	0.1029E-04
15-30.00	0.5232E-04	-7.5 TO 67.5	0.1886E-05	82.5-157.5	0.1873E-05	15	0- 75	0.9946E-05	90-165	0.9902E-05
30-45.00	0.8324E-04	-7.5 TO 67.5	0.1615E-05	82.5-157.5	0.1597E-05	30	0- 75	0.8902E-05	90-165	0.8822E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1231E-05	82.5-157.5	0.1211E-05	45	0- 75	0.7234E-05	90-165	0.7134E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.7651E-06	82.5-157.5	0.7466E-06	60	0- 75	0.5071E-05	90-165	0.4969E-05
75-89.89	0.1345E-03	-7.5 TO 67.5	0.2538E-06	82.5-157.5	0.2404E-06	75	0- 75	0.2576E-05	90-165	0.2489E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.2024E-05	82.5-172.5	0.2018E-05	0	0- 90	0.1234E-04	90-180	0.1234E-04
15-30.00	0.6279E-04	-7.5 TO 82.5	0.1885E-05	82.5-172.5	0.1872E-05	15	0- 90	0.1193E-04	90-180	0.1188E-04
30-45.00	0.9988E-04	-7.5 TO 82.5	0.1613E-05	82.5-172.5	0.1595E-05	30	0- 90	0.1068E-04	90-180	0.1058E-04
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1230E-05	82.5-172.5	0.1210E-05	45	0- 90	0.8672E-05	90-180	0.8554E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.7638E-06	82.5-172.5	0.7454E-06	60	0- 90	0.6075E-05	90-180	0.5956E-05
75-89.89	0.1614E-03	-7.5 TO 82.5	0.2528E-06	82.5-172.5	0.2395E-06	75	0- 90	0.3083E-05	90-180	0.2982E-05
0-15.00	0.2499E-04	-7.5 TO 97.5	0.2023E-05	82.5-187.5	0.2018E-05	0	0-105	0.1440E-04	90-195	0.1440E-04
15-30.00	0.7325E-04	-7.5 TO 97.5	0.1884E-05	82.5-187.5	0.1872E-05	15	0-105	0.1391E-04	90-195	0.1386E-04
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1612E-05	82.5-187.5	0.1595E-05	30	0-105	0.1245E-04	90-195	0.1234E-04
45-60.00	0.1519E-03	-7.5 TO 97.5	0.1228E-05	82.5-187.5	0.1209E-05	45	0-105	0.1011E-04	90-195	0.9975E-05
60-75.00	0.1769E-03	-7.5 TO 97.5	0.7623E-06	82.5-187.5	0.7445E-06	60	0-105	0.7076E-05	90-195	0.6943E-05
75-89.89	0.1883E-03	-7.5 TO 97.5	0.2517E-06	82.5-187.5	0.2389E-06	75	0-105	0.3586E-05	90-195	0.3474E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(1) Continued. Radius ratio, r_2/r_1, 0.80

r_2/r_1 = 0.80 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0018 $\cosh \mu_2$ = 62.4977 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 104.11

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3565E-05	-7.5 TO 7.5	0.2511E-05	82.5- 97.5	0.2504E-05	0	0- 15	0.2549E-05	90-105	0.2549E-05
15-30.00	0.1046E-04	-7.5 TO 7.5	0.2343E-05	82.5- 97.5	0.2327E-05	15	0- 15	0.2470E-05	90-105	0.2457E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.2009E-05	82.5- 97.5	0.1987E-05	30	0- 15	0.2214E-05	90-105	0.2192E-05
45-60.00	0.2170E-04	-7.5 TO 7.5	0.1534E-05	82.5- 97.5	0.1510E-05	45	0- 15	0.1803E-05	90-105	0.1776E-05
60-75.00	0.2526E-04	-7.5 TO 7.5	0.9556E-06	82.5- 97.5	0.9336E-06	60	0- 15	0.1266E-05	90-105	0.1239E-05
75-89.89	0.2690E-04	-7.5 TO 7.5	0.3192E-06	82.5- 97.5	0.3039E-06	75	0- 15	0.6458E-06	90-105	0.6237E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.2511E-05	82.5-112.5	0.2503E-05	0	0- 30	0.5098E-05	90-120	0.5098E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.2342E-05	82.5-112.5	0.2325E-05	15	0- 30	0.4938E-05	90-120	0.4912E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.2008E-05	82.5-112.5	0.1984E-05	30	0- 30	0.4427E-05	90-120	0.4380E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1534E-05	82.5-112.5	0.1507E-05	45	0- 30	0.3604E-05	90-120	0.3545E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.9553E-06	82.5-112.5	0.9307E-06	60	0- 30	0.2531E-05	90-120	0.2473E-05
75-89.89	0.5381E-04	-7.5 TO 22.5	0.3189E-06	82.5-112.5	0.3020E-06	75	0- 30	0.1290E-05	90-120	0.1242E-05
0-15.00	0.1071E-04	-7.5 TO 37.5	0.2511E-05	82.5-127.5	0.2502E-05	0	0- 45	0.7647E-05	90-135	0.7647E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.2342E-05	82.5-127.5	0.2323E-05	15	0- 45	0.7406E-05	90-135	0.7364E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.2008E-05	82.5-127.5	0.1981E-05	30	0- 45	0.6638E-05	90-135	0.6563E-05
45-60.00	0.6509E-04	-7.5 TO 37.5	0.1533E-05	82.5-127.5	0.1504E-05	45	0- 45	0.5402E-05	90-135	0.5309E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.9544E-06	82.5-127.5	0.9280E-06	60	0- 45	0.3792E-05	90-135	0.3700E-05
75-89.89	0.8071E-04	-7.5 TO 37.5	0.3183E-06	82.5-127.5	0.3001E-06	75	0- 45	0.1932E-05	90-135	0.1857E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.2510E-05	82.5-142.5	0.2501E-05	0	0- 60	0.1020E-04	90-150	0.1020E-04
15-30.00	0.4186E-04	-7.5 TO 52.5	0.2341E-05	82.5-142.5	0.2321E-05	15	0- 60	0.9871E-05	90-150	0.9814E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.2006E-05	82.5-142.5	0.1978E-05	30	0- 60	0.8865E-05	90-150	0.8743E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.1532E-05	82.5-142.5	0.1501E-05	45	0- 60	0.7195E-05	90-150	0.7069E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.9531E-06	82.5-142.5	0.9256E-06	60	0- 60	0.5049E-05	90-150	0.4924E-05
75-89.89	0.1076E-03	-7.5 TO 52.5	0.3174E-06	82.5-142.5	0.2984E-06	75	0- 60	0.2570E-05	90-150	0.2468E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.2510E-05	82.5-157.5	0.2500E-05	0	0- 75	0.1275E-04	90-165	0.1275E-04
15-30.00	0.5232E-04	-7.5 TO 67.5	0.2340E-05	82.5-157.5	0.2319E-05	15	0- 75	0.1233E-04	90-165	0.1226E-04
30-45.00	0.8324E-04	-7.5 TO 67.5	0.2005E-05	82.5-157.5	0.1976E-05	30	0- 75	0.1105E-04	90-165	0.1092E-04
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1530E-05	82.5-157.5	0.1499E-05	45	0- 75	0.8983E-05	90-165	0.8826E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.9514E-06	82.5-157.5	0.9234E-06	60	0- 75	0.6301E-05	90-165	0.6144E-05
75-89.89	0.1345E-03	-7.5 TO 67.5	0.3162E-06	82.5-157.5	0.2969E-06	75	0- 75	0.3204E-05	90-165	0.3076E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.2509E-05	82.5-172.5	0.2500E-05	0	0- 90	0.1529E-04	90-180	0.1529E-04
15-30.00	0.6279E-04	-7.5 TO 82.5	0.2338E-05	82.5-172.5	0.2318E-05	15	0- 90	0.1479E-04	90-180	0.1471E-04
30-45.00	0.9988E-04	-7.5 TO 82.5	0.2003E-05	82.5-172.5	0.1974E-05	30	0- 90	0.1324E-04	90-180	0.1310E-04
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1527E-05	82.5-172.5	0.1497E-05	45	0- 90	0.1077E-04	90-180	0.1058E-04
60-75.00	0.1516E-03	-7.5 TO 82.5	0.9494E-06	82.5-172.5	0.9216E-06	60	0- 90	0.7546E-05	90-180	0.7363E-05
75-89.89	0.1614E-03	-7.5 TO 82.5	0.3148E-06	82.5-172.5	0.2957E-06	75	0- 90	0.3833E-05	90-180	0.3683E-05
0-15.00	0.2499E-04	-7.5 TO 97.5	0.2508E-05	82.5-187.5	0.2499E-05	0	0-105	0.1784E-04	90-195	0.1784E-04
15-30.00	0.7325E-04	-7.5 TO 97.5	0.2336E-05	82.5-187.5	0.2317E-05	15	0-105	0.1725E-04	90-195	0.1716E-04
30-45.00	0.1165E-03	-7.5 TO 97.5	0.2000E-05	82.5-187.5	0.1973E-05	30	0-105	0.1544E-04	90-195	0.1527E-04
45-60.00	0.1519E-03	-7.5 TO 97.5	0.1525E-05	82.5-187.5	0.1495E-05	45	0-105	0.1254E-04	90-195	0.1234E-04
60-75.00	0.1769E-03	-7.5 TO 97.5	0.9471E-06	82.5-187.5	0.9202E-06	60	0-105	0.8786E-05	90-195	0.8582E-05
75-89.89	0.1883E-03	-7.5 TO 97.5	0.3133E-06	82.5-187.5	0.2947E-06	75	0-105	0.4456E-05	90-195	0.4290E-05

r_2/r_1 = 0.80 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0018 $\cosh \mu_2$ = 62.4977 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 89.08

0-15.00	0.3569E-05	-7.5 TO 7.5	0.2682E-05	82.5- 97.5	0.2673E-05	0	0- 15	0.2721E-05	90-105	0.2721E-05
15-30.00	0.1046E-04	-7.5 TO 7.5	0.2505E-05	82.5- 97.5	0.2484E-05	15	0- 15	0.2639E-05	90-105	0.2622E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.2150E-05	82.5- 97.5	0.2120E-05	30	0- 15	0.2369E-05	90-105	0.2340E-05
45-60.00	0.2170E-04	-7.5 TO 7.5	0.1644E-05	82.5- 97.5	0.1612E-05	45	0- 15	0.1930E-05	90-105	0.1895E-05
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1025E-05	82.5- 97.5	0.9965E-06	60	0- 15	0.1357E-05	90-105	0.1322E-05
75-89.89	0.2690E-04	-7.5 TO 7.5	0.3426E-06	82.5- 97.5	0.3244E-06	75	0- 15	0.6926E-06	90-105	0.6653E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.2682E-05	82.5-112.5	0.2671E-05	0	0- 30	0.5442E-05	90-120	0.5442E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.2505E-05	82.5-112.5	0.2481E-05	15	0- 30	0.5277E-05	90-120	0.5241E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.2150E-05	82.5-112.5	0.2117E-05	30	0- 30	0.4736E-05	90-120	0.4673E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1643E-05	82.5-112.5	0.1608E-05	45	0- 30	0.3859E-05	90-120	0.3781E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.1024E-05	82.5-112.5	0.9929E-06	60	0- 30	0.2712E-05	90-120	0.2637E-05
75-89.89	0.5381E-04	-7.5 TO 22.5	0.3423E-06	82.5-112.5	0.3221E-06	75	0- 30	0.1384E-05	90-120	0.1325E-05
0-15.00	0.1071E-04	-7.5 TO 37.5	0.2682E-05	82.5-127.5	0.2670E-05	0	0- 45	0.8162E-05	90-135	0.8162E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.2504E-05	82.5-127.5	0.2478E-05	15	0- 45	0.7913E-05	90-135	0.7857E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.2148E-05	82.5-127.5	0.2113E-05	30	0- 45	0.7100E-05	90-135	0.7000E-05
45-60.00	0.6509E-04	-7.5 TO 37.5	0.1642E-05	82.5-127.5	0.1604E-05	45	0- 45	0.5783E-05	90-135	0.5661E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.1023E-05	82.5-127.5	0.9895E-06	60	0- 45	0.4063E-05	90-135	0.3944E-05
75-89.89	0.8071E-04	-7.5 TO 37.5	0.3416E-06	82.5-127.5	0.3199E-06	75	0- 45	0.2071E-05	90-135	0.1978E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.2681E-05	82.5-142.5	0.2669E-05	0	0- 60	0.1088E-04	90-150	0.1088E-04
15-30.00	0.4186E-04	-7.5 TO 52.5	0.2502E-05	82.5-142.5	0.2476E-05	15	0- 60	0.1055E-04	90-150	0.1047E-04
30-45.00	0.6659E-04	-7.5 TO 52.5	0.2147E-05	82.5-142.5	0.2110E-05	30	0- 60	0.9458E-05	90-150	0.9322E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.1640E-05	82.5-142.5	0.1600E-05	45	0- 60	0.7701E-05	90-150	0.7534E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.1021E-05	82.5-142.5	0.9864E-06	60	0- 60	0.5408E-05	90-150	0.5246E-05
75-89.89	0.1076E-03	-7.5 TO 52.5	0.3405E-06	82.5-142.5	0.3179E-06	75	0- 60	0.2759E-05	90-150	0.2628E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.2681E-05	82.5-157.5	0.2668E-05	0	0- 75	0.1360E-04	90-165	0.1360E-04
15-30.00	0.5232E-04	-7.5 TO 67.5	0.2501E-05	82.5-157.5	0.2474E-05	15	0- 75	0.1318E-04	90-165	0.1308E-04
30-45.00	0.8324E-04	-7.5 TO 67.5	0.2144E-05	82.5-157.5	0.2107E-05	30	0- 75	0.1181E-04	90-165	0.1164E-04
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1638E-05	82.5-157.5	0.1597E-05	45	0- 75	0.9611E-05	90-165	0.9404E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1019E-05	82.5-157.5	0.9837E-06	60	0- 75	0.6746E-05	90-165	0.6544E-05
75-89.89	0.1345E-03	-7.5 TO 67.5	0.3391E-06	82.5-157.5	0.3162E-06	75	0- 75	0.3432E-05	90-165	0.3274E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.2680E-05	82.5-172.5	0.2667E-05	0	0- 90	0.1632E-04	90-180	0.1632E-04
15-30.00	0.6279E-04	-7.5 TO 82.5	0.2499E-05	82.5-172.5	0.2472E-05	15	0- 90	0.1580E-04	90-180	0.1569E-04
30-45.00	0.9988E-04	-7.5 TO 82.5	0.2142E-05	82.5-172.5	0.2104E-05	30	0- 90	0.1416E-04	90-180	0.1396E-04
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1635E-05	82.5-172.5	0.1595E-05	45	0- 90	0.1151E-04	90-180	0.1127E-04
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1017E-05	82.5-172.5	0.9814E-06	60	0- 90	0.8076E-05	90-180	0.7840E-05
75-89.89	0.1614E-03	-7.5 TO 82.5	0.3374E-06	82.5-172.5	0.3147E-06	75	0- 90	0.4104E-05	90-180	0.3919E-05
0-15.00	0.2499E-04	-7.5 TO 97.5	0.2679E-05	82.5-187.5	0.2666E-05	0	0-105	0.1905E-04	90-195	0.1905E-04
15-30.00	0.7325E-04	-7.5 TO 97.5	0.2497E-05	82.5-187.5	0.2470E-05	15	0-105	0.1843E-04	90-195	0.1830E-04
30-45.00	0.1165E-03	-7.5 TO 97.5	0.2139E-05	82.5-187.5	0.2102E-05	30	0-105	0.1650E-04	90-195	0.1628E-04
45-60.00	0.1519E-03	-7.5 TO 97.5	0.1631E-05	82.5-187.5	0.1593E-05	45	0-105	0.1341E-04	90-195	0.1314E-04
60-75.00	0.1769E-03	-7.5 TO 97.5	0.1014E-05	82.5-187.5	0.9796E-06	60	0-105	0.9398E-05	90-195	0.9136E-05
75-89.89	0.1883E-03	-7.5 TO 97.5	0.3355E-06	82.5-187.5	0.3136E-06	75	0-105	0.4769E-05	90-195	0.4564E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(1) Concluded. Radius ratio, r_2/r_1, 0.80

r_2/r_1 = 0.80 d/r_1 = 100.000 cosh μ_1 = 50.0018 cosh μ_2 = 62.4977 $\alpha_{2,max}$ = 90.11 $\theta_{2,min}$ = 88.97

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3569E-05	-7.5 TO 7.5	0.2682E-05	82.5- 97.5	0.2673E-05	0	0- 15	0.2721E-05	90-105	0.2721E-05
15-30.00	0.1046E-04	-7.5 TO 7.5	0.2505E-05	82.5- 97.5	0.2484E-05	15	0- 15	0.2639E-05	90-105	0.2622E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.2150E-05	82.5- 97.5	0.2120E-05	30	0- 15	0.2369E-05	90-105	0.2340E-05
45-60.00	0.2170E-04	-7.5 TO 7.5	0.1644E-05	82.5- 97.5	0.1612E-05	45	0- 15	0.1930E-05	90-105	0.1895E-05
60-75.00	0.2526E-04	-7.5 TO 7.5	0.1025E-05	82.5- 97.5	0.9965E-06	60	0- 15	0.1357E-05	90-105	0.1322E-05
75-89.89	0.2690E-04	-7.5 TO 7.5	0.3426E-06	82.5- 97.5	0.3244E-06	75	0- 15	0.6926E-06	90-105	0.6653E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.2682E-05	82.5-112.5	0.2671E-05	0	0- 30	0.5442E-05	90-120	0.5442E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.2505E-05	82.5-112.5	0.2481E-05	15	0- 30	0.5277E-05	90-120	0.5241E-05
30-45.00	0.3329E-04	-7.5 TO 22.5	0.2150E-05	82.5-112.5	0.2117E-05	30	0- 30	0.4736E-05	90-120	0.4673E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1643E-05	82.5-112.5	0.1608E-05	45	0- 30	0.3859E-05	90-120	0.3781E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.1024E-05	82.5-112.5	0.9929E-06	60	0- 30	0.2712E-05	90-120	0.2637E-05
75-89.89	0.5381E-04	-7.5 TO 22.5	0.3423E-06	82.5-112.5	0.3221E-06	75	0- 30	0.1384E-05	90-120	0.1325E-05
0-15.00	0.1071E-04	-7.5 TO 37.5	0.2682E-05	82.5-127.5	0.2670E-05	0	0- 45	0.8162E-05	90-135	0.8162E-05
15-30.00	0.3139E-04	-7.5 TO 37.5	0.2504E-05	82.5-127.5	0.2478E-05	15	0- 45	0.7913E-05	90-135	0.7857E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.2148E-05	82.5-127.5	0.2113E-05	30	0- 45	0.7100E-05	90-135	0.7000E-05
45-60.00	0.6509E-04	-7.5 TO 37.5	0.1642E-05	82.5-127.5	0.1604E-05	45	0- 45	0.5783E-05	90-135	0.5661E-05
60-75.00	0.7579E-04	-7.5 TO 37.5	0.1023E-05	82.5-127.5	0.9895E-06	60	0- 45	0.4063E-05	90-135	0.3944E-05
75-89.89	0.8071E-04	-7.5 TO 37.5	0.3416E-06	82.5-127.5	0.3199E-06	75	0- 45	0.2071E-05	90-135	0.1978E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.2681E-05	82.5-142.5	0.2669E-05	0	0- 60	0.1088E-04	90-150	0.1088E-04
15-30.00	0.4186E-04	-7.5 TO 52.5	0.2502E-05	82.5-142.5	0.2476E-05	15	0- 60	0.1055E-04	90-150	0.1047E-04
30-45.00	0.6659E-04	-7.5 TO 52.5	0.2147E-05	82.5-142.5	0.2110E-05	30	0- 60	0.9458E-05	90-150	0.9322E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.1640E-05	82.5-142.5	0.1600E-05	45	0- 60	0.7701E-05	90-150	0.7534E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.1021E-05	82.5-142.5	0.9864E-06	60	0- 60	0.5408E-05	90-150	0.5246E-05
75-89.89	0.1076E-03	-7.5 TO 52.5	0.3405E-06	82.5-142.5	0.3179E-06	75	0- 60	0.2755E-05	90-150	0.2628E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.2681E-05	82.5-157.5	0.2668E-05	0	0- 75	0.1360E-04	90-165	0.1360E-04
15-30.00	0.5232E-04	-7.5 TO 67.5	0.2501E-05	82.5-157.5	0.2474E-05	15	0- 75	0.1318E-04	90-165	0.1308E-04
30-45.00	0.8324E-04	-7.5 TO 67.5	0.2144E-05	82.5-157.5	0.2107E-05	30	0- 75	0.1181E-04	90-165	0.1164E-04
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1638E-05	82.5-157.5	0.1597E-05	45	0- 75	0.9611E-05	90-165	0.9404E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1019E-05	82.5-157.5	0.9837E-06	60	0- 75	0.6746E-05	90-165	0.6544E-05
75-89.89	0.1345E-03	-7.5 TO 67.5	0.3391E-06	82.5-157.5	0.3162E-06	75	0- 75	0.3432E-05	90-165	0.3274E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.2680E-05	82.5-172.5	0.2667E-05	0	0- 90	0.1632E-04	90-180	0.1632E-04
15-30.00	0.6279E-04	-7.5 TO 82.5	0.2499E-05	82.5-172.5	0.2472E-05	15	0- 90	0.1580E-04	90-180	0.1569E-04
30-45.00	0.9988E-04	-7.5 TO 82.5	0.2142E-05	82.5-172.5	0.2104E-05	30	0- 90	0.1416E-04	90-180	0.1396E-04
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1635E-05	82.5-172.5	0.1595E-05	45	0- 90	0.1151E-04	90-180	0.1127E-04
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1017E-05	82.5-172.5	0.9814E-06	60	0- 90	0.8076E-05	90-180	0.7840E-05
75-89.89	0.1614E-03	-7.5 TO 82.5	0.3374E-06	82.5-172.5	0.3147E-06	75	0- 90	0.4104E-05	90-180	0.3919E-05
0-15.00	0.2499E-04	-7.5 TO 97.5	0.2679E-05	82.5-187.5	0.2666E-05	0	0-105	0.1905E-04	90-195	0.1905E-04
15-30.00	0.7325E-04	-7.5 TO 97.5	0.2497E-05	82.5-187.5	0.2470E-05	15	0-105	0.1843E-04	90-195	0.1830E-04
30-45.00	0.1165E-03	-7.5 TO 97.5	0.2139E-05	82.5-187.5	0.2102E-05	30	0-105	0.1650E-04	90-195	0.1628E-04
45-60.00	0.1519E-03	-7.5 TO 97.5	0.1631E-05	82.5-187.5	0.1593E-05	45	0-105	0.1341E-04	90-195	0.1314E-04
60-75.00	0.1769E-03	-7.5 TO 97.5	0.1014E-05	82.5-187.5	0.9796E-06	60	0-105	0.9398E-05	90-195	0.9136E-05
75-89.89	0.1883E-03	-7.5 TO 97.5	0.3355E-06	82.5-187.5	0.3136E-06	75	0-105	0.4769E-05	90-195	0.4564E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Radius ratio, r_2/r_1, 0.90

$r_2/r_1 = 0.90$ $d/r_1 = 1.901$ $\cosh \mu_1 = 1.0005$ $\cosh \mu_2 = 1.0006$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 14.80$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.9414E 01	-7.5 TO 7.5	0.4018E 00	82.5- 97.5	0.5623E-05	0	0- 15	0.4163E-01	90-105	0.4163E-01
15-30.00	0.2760E 02	-7.5 TO 7.5	0.7441E-02	82.5- 97.5	0.	15	0- 15	0.6346E-01	90-105	0.
30-45.00	0.4391E 02	-7.5 TO 7.5	0.1197E-05	82.5- 97.5	0.	30	0- 15	0.2214E-04	90-105	0.
45-60.00	0.5722E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
60-75.00	0.6663E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-86.98	0.5697E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1883E 02	-7.5 TO 22.5	0.2595E 00	82.5-112.5	0.4157E-05	0	0- 30	0.8326E-01	90-120	0.8326E-01
15-30.00	0.5520E 02	-7.5 TO 22.5	0.5868E-02	82.5-112.5	0.	15	0- 30	0.7904E-01	90-120	0.
30-45.00	0.8781E 02	-7.5 TO 22.5	0.8506E-06	82.5-112.5	0.	30	0- 30	0.2414E-04	90-120	0.
45-60.00	0.1144E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
60-75.00	0.1333E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-86.98	0.1139E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.2824E 02	-7.5 TO 37.5	0.1774E 00	82.5-127.5	0.3405E-05	0	0- 45	0.1249E 00	90-135	0.1249E 00
15-30.00	0.8280E 02	-7.5 TO 37.5	0.4316E-02	82.5-127.5	0.	15	0- 45	0.8204E-01	90-135	0.
30-45.00	0.1317E 03	-7.5 TO 37.5	0.5723E-06	82.5-127.5	0.	30	0- 45	0.2414E-04	90-135	0.
45-60.00	0.1717E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
60-75.00	0.1999E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-86.98	0.1709E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.3766E 02	-7.5 TO 52.5	0.1336E 00	82.5-142.5	0.2928E-05	0	0- 60	0.1665E 00	90-150	0.1665E 00
15-30.00	0.1104E 03	-7.5 TO 52.5	0.3299E-02	82.5-142.5	0.	15	0- 60	0.8260E-01	90-150	0.
30-45.00	0.1756E 03	-7.5 TO 52.5	0.4292E-06	82.5-142.5	0.	30	0- 60	0.2414E-04	90-150	0.
45-60.00	0.2289E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
60-75.00	0.2665E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-86.98	0.2279E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.4707E 02	-7.5 TO 67.5	0.1070E 00	82.5-157.5	0.2596E-05	0	0- 75	0.2082E 00	90-165	0.2082E 00
15-30.00	0.1380E 03	-7.5 TO 67.5	0.2646E-02	82.5-157.5	0.	15	0- 75	0.8267E-01	90-165	0.
30-45.00	0.2195E 03	-7.5 TO 67.5	0.3434E-06	82.5-157.5	0.	30	0- 75	0.2414E-04	90-165	0.
45-60.00	0.2861E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
60-75.00	0.3332E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-86.98	0.2849E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.5648E 02	-7.5 TO 82.5	0.8917E-01	82.5-172.5	0.2355E-05	0	0- 90	0.2498E 00	90-180	0.2498E 00
15-30.00	0.1656E 03	-7.5 TO 82.5	0.2205E-02	82.5-172.5	0.	15	0- 90	0.8267E-01	90-180	0.
30-45.00	0.2634E 03	-7.5 TO 82.5	0.2861E-06	82.5-172.5	0.	30	0- 90	0.2414E-04	90-180	0.
45-60.00	0.3433E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
60-75.00	0.3998E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-86.98	0.3418E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.6590E 02	-7.5 TO 97.5	0.7643E-01	82.5-187.5	0.2178E-05	0	0-105	0.2914E 00	90-195	0.2914E 00
15-30.00	0.1932E 03	-7.5 TO 97.5	0.1890E-02	82.5-187.5	0.	15	0-105	0.8267E-01	90-195	0.
30-45.00	0.3073E 03	-7.5 TO 97.5	0.2453E-06	82.5-187.5	0.	30	0-105	0.2414E-04	90-195	0.
45-60.00	0.4005E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.
60-75.00	0.4664E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-86.98	0.3988E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

$r_2/r_1 = 0.90$ $d/r_1 = 1.901$ $\cosh \mu_1 = 1.0005$ $\cosh \mu_2 = 1.0006$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 7.30$

0-15.00	0.9414E 01	-7.5 TO 7.5	0.4915E 00	82.5- 97.5	0.5624E-05	0	0- 15	0.4163E-01	90-105	0.4163E-01
15-30.00	0.2760E 02	-7.5 TO 7.5	0.1469E 00	82.5- 97.5	0.	15	0- 15	0.2924E 00	90-105	0.
30-45.00	0.4391E 02	-7.5 TO 7.5	0.1172E-01	82.5- 97.5	0.	30	0- 15	0.3685E-01	90-105	0.
45-60.00	0.5722E 02	-7.5 TO 7.5	0.3275E-03	82.5- 97.5	0.	45	0- 15	0.1662E-02	90-105	0.
60-75.00	0.6663E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-86.98	0.5697E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1883E 02	-7.5 TO 22.5	0.3261E 00	82.5-112.5	0.4157E-05	0	0- 30	0.8326E-01	90-120	0.8326E-01
15-30.00	0.5520E 02	-7.5 TO 22.5	0.1152E 00	82.5-112.5	0.	15	0- 30	0.3612E 00	90-120	0.
30-45.00	0.8781E 02	-7.5 TO 22.5	0.1005E-01	82.5-112.5	0.	30	0- 30	0.5401E-01	90-120	0.
45-60.00	0.1144E 03	-7.5 TO 22.5	0.2787E-03	82.5-112.5	0.	45	0- 30	0.2495E-02	90-120	0.
60-75.00	0.1333E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-86.98	0.1139E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.2824E 02	-7.5 TO 37.5	0.2251E 00	82.5-127.5	0.3406E-05	0	0- 45	0.1249E 00	90-135	0.1249E 00
15-30.00	0.8280E 02	-7.5 TO 37.5	0.8458E-01	82.5-127.5	0.	15	0- 45	0.3745E 00	90-135	0.
30-45.00	0.1317E 03	-7.5 TO 37.5	0.7827E-02	82.5-127.5	0.	30	0- 45	0.5909E-01	90-135	0.
45-60.00	0.1717E 03	-7.5 TO 37.5	0.2075E-03	82.5-127.5	0.	45	0- 45	0.2660E-02	90-135	0.
60-75.00	0.1999E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-86.98	0.1709E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.3766E 02	-7.5 TO 52.5	0.1698E 00	82.5-142.5	0.2928E-05	0	0- 60	0.1665E 00	90-150	0.1665E 00
15-30.00	0.1104E 03	-7.5 TO 52.5	0.6475E-01	82.5-142.5	0.	15	0- 60	0.3769E 00	90-150	0.
30-45.00	0.1756E 03	-7.5 TO 52.5	0.6082E-02	82.5-142.5	0.	30	0- 60	0.6018E-01	90-150	0.
45-60.00	0.2289E 03	-7.5 TO 52.5	0.1567E-03	82.5-142.5	0.	45	0- 60	0.2662E-02	90-150	0.
60-75.00	0.2665E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-86.98	0.2279E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.4707E 02	-7.5 TO 67.5	0.1360E 00	82.5-157.5	0.2596E-05	0	0- 75	0.2082E 00	90-165	0.2082E 00
15-30.00	0.1380E 03	-7.5 TO 67.5	0.5200E-01	82.5-157.5	0.	15	0- 75	0.3772E 00	90-165	0.
30-45.00	0.2195E 03	-7.5 TO 67.5	0.4889E-02	82.5-157.5	0.	30	0- 75	0.6031E-01	90-165	0.
45-60.00	0.2861E 03	-7.5 TO 67.5	0.1254E-03	82.5-157.5	0.	45	0- 75	0.2662E-02	90-165	0.
60-75.00	0.3332E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-86.98	0.2849E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.5648E 02	-7.5 TO 82.5	0.1133E 00	82.5-172.5	0.2355E-05	0	0- 90	0.2498E 00	90-180	0.2498E 00
15-30.00	0.1656E 03	-7.5 TO 82.5	0.4335E-01	82.5-172.5	0.	15	0- 90	0.3772E 00	90-180	0.
30-45.00	0.2634E 03	-7.5 TO 82.5	0.4075E-02	82.5-172.5	0.	30	0- 90	0.6031E-01	90-180	0.
45-60.00	0.3433E 03	-7.5 TO 82.5	0.1045E-03	82.5-172.5	0.	45	0- 90	0.2662E-02	90-180	0.
60-75.00	0.3998E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-86.98	0.3418E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.6590E 02	-7.5 TO 97.5	0.9714E-01	82.5-187.5	0.2178E-05	0	0-105	0.2914E 00	90-195	0.2914E 00
15-30.00	0.1932E 03	-7.5 TO 97.5	0.3716E-01	82.5-187.5	0.	15	0-105	0.3772E 00	90-195	0.
30-45.00	0.3073E 03	-7.5 TO 97.5	0.3493E-02	82.5-187.5	0.	30	0-105	0.6031E-01	90-195	0.
45-60.00	0.4005E 03	-7.5 TO 97.5	0.8957E-04	82.5-187.5	0.	45	0-105	0.2662E-02	90-195	0.
60-75.00	0.4664E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-86.98	0.3988E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 1.901 $\cosh \mu_1$ = 1.0005 $\cosh \mu_2$ = 1.0006 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 4.73

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.9414E 01	-7.5 TO 7.5	0.4884E 00	82.5- 97.5	0.5624E-05	0	0- 15	0.4163E-01	90-105	0.4163E-01
15-30.00	0.2760E 02	-7.5 TO 7.5	0.1895E 00	82.5- 97.5	0.	15	0- 15	0.2837E 00	90-105	0.
30-45.00	0.4391E 02	-7.5 TO 7.5	0.4696E-01	82.5- 97.5	0.	30	0- 15	0.9384E-01	90-105	0.
45-60.00	0.5722E 02	-7.5 TO 7.5	0.6932E-02	82.5- 97.5	0.	45	0- 15	0.1661E-01	90-105	0.
60-75.00	0.6663E 02	-7.5 TO 7.5	0.3556E-03	82.5- 97.5	0.	60	0- 15	0.1523E-02	90-105	0.
75-86.98	0.5697E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1883E 02	-7.5 TO 22.5	0.3244E 00	82.5-112.5	0.4157E-05	0	0- 30	0.8326E-01	90-120	0.8326E-01
15-30.00	0.5520E 02	-7.5 TO 22.5	0.1515E 00	82.5-112.5	0.	15	0- 30	0.3536E 00	90-120	0.
30-45.00	0.8781E 02	-7.5 TO 22.5	0.4062E-01	82.5-112.5	0.	30	0- 30	0.1390E 00	90-120	0.
45-60.00	0.1144E 03	-7.5 TO 22.5	0.6139E-02	82.5-112.5	0.	45	0- 30	0.2632E-01	90-120	0.
60-75.00	0.1333E 03	-7.5 TO 22.5	0.3003E-03	82.5-112.5	0.	60	0- 30	0.2307E-02	90-120	0.
75-86.98	0.1139E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.2824E 02	-7.5 TO 37.5	0.2240E 00	82.5-127.5	0.3406E-05	0	0- 45	0.1249E 00	90-135	0.1249E 00
15-30.00	0.8280E 02	-7.5 TO 37.5	0.1126E 00	82.5-127.5	0.	15	0- 45	0.3671E 00	90-135	0.
30-45.00	0.1317E 03	-7.5 TO 37.5	0.3202E-01	82.5-127.5	0.	30	0- 45	0.1531E 00	90-135	0.
45-60.00	0.1717E 03	-7.5 TO 37.5	0.4917E-02	82.5-127.5	0.	45	0- 45	0.2988E-01	90-135	0.
60-75.00	0.1999E 03	-7.5 TO 37.5	0.2231E-03	82.5-127.5	0.	60	0- 45	0.2456E-02	90-135	0.
75-86.98	0.1709E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.3766E 02	-7.5 TO 52.5	0.1690E 00	82.5-142.5	0.2928E-05	0	0- 60	0.1665E 00	90-150	0.1665E 00
15-30.00	0.1104E 03	-7.5 TO 52.5	0.8655E-01	82.5-142.5	0.	15	0- 60	0.3695E 00	90-150	0.
30-45.00	0.1756E 03	-7.5 TO 52.5	0.2512E-01	82.5-142.5	0.	30	0- 60	0.1564E 00	90-150	0.
45-60.00	0.2289E 03	-7.5 TO 52.5	0.3851E-02	82.5-142.5	0.	45	0- 60	0.3067E-01	90-150	0.
60-75.00	0.2665E 03	-7.5 TO 52.5	0.1684E-03	82.5-142.5	0.	60	0- 60	0.2456E-02	90-150	0.
75-86.98	0.2279E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.4707E 02	-7.5 TO 67.5	0.1353E 00	82.5-157.5	0.2596E-05	0	0- 75	0.2082E 00	90-165	0.2082E 00
15-30.00	0.1380E 03	-7.5 TO 67.5	0.6953E-01	82.5-157.5	0.	15	0- 75	0.3698E 00	90-165	0.
30-45.00	0.2195E 03	-7.5 TO 67.5	0.2027E-01	82.5-157.5	0.	30	0- 75	0.1568E 00	90-165	0.
45-60.00	0.2861E 03	-7.5 TO 67.5	0.3096E-02	82.5-157.5	0.	45	0- 75	0.3073E-01	90-165	0.
60-75.00	0.3332E 03	-7.5 TO 67.5	0.1347E-03	82.5-157.5	0.	60	0- 75	0.2456E-02	90-165	0.
75-86.98	0.2849E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.5648E 02	-7.5 TO 82.5	0.1128E 00	82.5-172.5	0.2355E-05	0	0- 90	0.2498E 00	90-180	0.2498E 00
15-30.00	0.1656E 03	-7.5 TO 82.5	0.5796E-01	82.5-172.5	0.	15	0- 90	0.3698E 00	90-180	0.
30-45.00	0.2634E 03	-7.5 TO 82.5	0.1691E-01	82.5-172.5	0.	30	0- 90	0.1568E 00	90-180	0.
45-60.00	0.3433E 03	-7.5 TO 82.5	0.2581E-02	82.5-172.5	0.	45	0- 90	0.3073E-01	90-180	0.
60-75.00	0.3998E 03	-7.5 TO 82.5	0.1123E-03	82.5-172.5	0.	60	0- 90	0.2456E-02	90-180	0.
75-86.98	0.3418E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.6590E 02	-7.5 TO 97.5	0.9668E-01	82.5-187.5	0.2178E-05	0	0-105	0.2914E 00	90-195	0.2914E 00
15-30.00	0.1932E 03	-7.5 TO 97.5	0.4968E-01	82.5-187.5	0.	15	0-105	0.3698E 00	90-195	0.
30-45.00	0.3073E 03	-7.5 TO 97.5	0.1449E-01	82.5-187.5	0.	30	0-105	0.1568E 00	90-195	0.
45-60.00	0.4005E 03	-7.5 TO 97.5	0.2212E-02	82.5-187.5	0.	45	0-105	0.3073E-01	90-195	0.
60-75.00	0.4664E 03	-7.5 TO 97.5	0.9622E-04	82.5-187.5	0.	60	0-105	0.2456E-02	90-195	0.
75-86.98	0.3988E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

r_2/r_1 = 0.90 d/r_1 = 1.901 $\cosh \mu_1$ = 1.0005 $\cosh \mu_2$ = 1.0006 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 3.39

0-15.00	0.9414E 01	-7.5 TO 7.5	0.4884E 00	82.5- 97.5	0.5624E-05	0	0- 15	0.4163E-01	90-105	0.4163E-01
15-30.00	0.2760E 02	-7.5 TO 7.5	0.1934E 00	82.5- 97.5	0.	15	0- 15	0.2837E 00	90-105	0.
30-45.00	0.4391E 02	-7.5 TO 7.5	0.6283E-01	82.5- 97.5	0.	30	0- 15	0.1061E 00	90-105	0.
45-60.00	0.5722E 02	-7.5 TO 7.5	0.1537E-01	82.5- 97.5	0.	45	0- 15	0.2979E-01	90-105	0.
60-75.00	0.6663E 02	-7.5 TO 7.5	0.2228E-02	82.5- 97.5	0.	60	0- 15	0.5675E-02	90-105	0.
75-86.98	0.5697E 02	-7.5 TO 7.5	0.4007E-04	82.5- 97.5	0.	75	0- 15	0.2582E-03	90-105	0.
0-15.00	0.1883E 02	-7.5 TO 22.5	0.3244E 00	82.5-112.5	0.4157E-05	0	0- 30	0.8326E-01	90-120	0.8326E-01
15-30.00	0.5520E 02	-7.5 TO 22.5	0.1551E 00	82.5-112.5	0.	15	0- 30	0.3536E 00	90-120	0.
30-45.00	0.8781E 02	-7.5 TO 22.5	0.5474E-01	82.5-112.5	0.	30	0- 30	0.1578E 00	90-120	0.
45-60.00	0.1144E 03	-7.5 TO 22.5	0.1376E-01	82.5-112.5	0.	45	0- 30	0.4776E-01	90-120	0.
60-75.00	0.1333E 03	-7.5 TO 22.5	0.1971E-02	82.5-112.5	0.	60	0- 30	0.9158E-02	90-120	0.
75-86.98	0.1139E 03	-7.5 TO 22.5	0.3117E-04	82.5-112.5	0.	75	0- 30	0.3388E-03	90-120	0.
0-15.00	0.2824E 02	-7.5 TO 37.5	0.2240E 00	82.5-127.5	0.3406E-05	0	0- 45	0.1249E 00	90-135	0.1249E 00
15-30.00	0.8280E 02	-7.5 TO 37.5	0.1154E 00	82.5-127.5	0.	15	0- 45	0.3671E 00	90-135	0.
30-45.00	0.1317E 03	-7.5 TO 37.5	0.4345E-01	82.5-127.5	0.	30	0- 45	0.1738E 00	90-135	0.
45-60.00	0.1717E 03	-7.5 TO 37.5	0.1122E-01	82.5-127.5	0.	45	0- 45	0.5481E-01	90-135	0.
60-75.00	0.1999E 03	-7.5 TO 37.5	0.1563E-02	82.5-127.5	0.	60	0- 45	0.1040E-01	90-135	0.
75-86.98	0.1709E 03	-7.5 TO 37.5	0.2154E-04	82.5-127.5	0.	75	0- 45	0.3396E-03	90-135	0.
0-15.00	0.3766E 02	-7.5 TO 52.5	0.1690E 00	82.5-142.5	0.2928E-05	0	0- 60	0.1665E 00	90-150	0.1665E 00
15-30.00	0.1104E 03	-7.5 TO 52.5	0.8867E-01	82.5-142.5	0.	15	0- 60	0.3695E 00	90-150	0.
30-45.00	0.1756E 03	-7.5 TO 52.5	0.3416E-01	82.5-142.5	0.	30	0- 60	0.1773E 00	90-150	0.
45-60.00	0.2289E 03	-7.5 TO 52.5	0.8903E-02	82.5-142.5	0.	45	0- 60	0.5655E-01	90-150	0.
60-75.00	0.2665E 03	-7.5 TO 52.5	0.1210E-02	82.5-142.5	0.	60	0- 60	0.1059E-01	90-150	0.
75-86.98	0.2279E 03	-7.5 TO 52.5	0.1616E-04	82.5-142.5	0.	75	0- 60	0.3396E-03	90-150	0.
0-15.00	0.4707E 02	-7.5 TO 67.5	0.1353E 00	82.5-157.5	0.2596E-05	0	0- 75	0.2082E 00	90-165	0.2082E 00
15-30.00	0.1380E 03	-7.5 TO 67.5	0.7123E-01	82.5-157.5	0.	15	0- 75	0.3698E 00	90-165	0.
30-45.00	0.2195E 03	-7.5 TO 67.5	0.2757E-01	82.5-157.5	0.	30	0- 75	0.1777E 00	90-165	0.
45-60.00	0.2861E 03	-7.5 TO 67.5	0.7189E-02	82.5-157.5	0.	45	0- 75	0.5672E-01	90-165	0.
60-75.00	0.3332E 03	-7.5 TO 67.5	0.9699E-03	82.5-157.5	0.	60	0- 75	0.1059E-01	90-165	0.
75-86.98	0.2849E 03	-7.5 TO 67.5	0.1293E-04	82.5-157.5	0.	75	0- 75	0.3396E-03	90-165	0.
0-15.00	0.5648E 02	-7.5 TO 82.5	0.1128E 00	82.5-172.5	0.2355E-05	0	0- 90	0.2498E 00	90-180	0.2498E 00
15-30.00	0.1656E 03	-7.5 TO 82.5	0.5938E-01	82.5-172.5	0.	15	0- 90	0.3698E 00	90-180	0.
30-45.00	0.2634E 03	-7.5 TO 82.5	0.2299E-01	82.5-172.5	0.	30	0- 90	0.1778E 00	90-180	0.
45-60.00	0.3433E 03	-7.5 TO 82.5	0.5993E-02	82.5-172.5	0.	45	0- 90	0.5672E-01	90-180	0.
60-75.00	0.3998E 03	-7.5 TO 82.5	0.8083E-03	82.5-172.5	0.	60	0- 90	0.1059E-01	90-180	0.
75-86.98	0.3418E 03	-7.5 TO 82.5	0.1077E-04	82.5-172.5	0.	75	0- 90	0.3396E-03	90-180	0.
0-15.00	0.6590E 02	-7.5 TO 97.5	0.9668E-01	82.5-187.5	0.2178E-05	0	0-105	0.2914E 00	90-195	0.2914E 00
15-30.00	0.1932E 03	-7.5 TO 97.5	0.5090E-01	82.5-187.5	0.	15	0-105	0.3698E 00	90-195	0.
30-45.00	0.3073E 03	-7.5 TO 97.5	0.1970E-01	82.5-187.5	0.	30	0-105	0.1778E 00	90-195	0.
45-60.00	0.4005E 03	-7.5 TO 97.5	0.5137E-02	82.5-187.5	0.	45	0-105	0.5672E-01	90-195	0.
60-75.00	0.4664E 03	-7.5 TO 97.5	0.6928E-03	82.5-187.5	0.	60	0-105	0.1059E-01	90-195	0.
75-86.98	0.3988E 03	-7.5 TO 97.5	0.9233E-05	82.5-187.5	0.	75	0-105	0.3396E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

$r_2/r_1 = 0.90$ $d/r_1 = 1.901$ $\cosh \mu_1 = 1.0005$ $\cosh \mu_2 = 1.0006$ $\alpha_{2,max} = 75.00$ $\theta_{2,min} = 2.55$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.9414E 01	-7.5 TO 7.5	0.4884E 00	82.5- 97.5	0.5624E-05	0	0- 15	0.4163E-01	90-105	0.4163E-01
15-30.00	0.2760E 02	-7.5 TO 7.5	0.1935E 00	82.5- 97.5	0.	15	0- 15	0.2837E 00	90-105	0.
30-45.00	0.4391E 02	-7.5 TO 7.5	0.6559E-01	82.5- 97.5	0.	30	0- 15	0.1065E 00	90-105	0.
45-60.00	0.5722E 02	-7.5 TO 7.5	0.1918E-01	82.5- 97.5	0.	45	0- 15	0.3401E-01	90-105	0.
60-75.00	0.6663E 02	-7.5 TO 7.5	0.3823E-02	82.5- 97.5	0.	60	0- 15	0.8337E-02	90-105	0.
75-86.98	0.5657E 02	-7.5 TO 7.5	0.2472E-03	82.5- 97.5	0.	75	0- 15	0.8891E-03	90-105	0.
0-15.00	0.1883E 02	-7.5 TO 22.5	0.3244E 00	82.5-112.5	0.4157E-05	0	0- 30	0.8326E-01	90-120	0.8326E-01
15-30.00	0.5520E 02	-7.5 TO 22.5	0.1551E 00	82.5-112.5	0.	15	0- 30	0.3536E 00	90-120	0.
30-45.00	0.8781E 02	-7.5 TO 22.5	0.5716E-01	82.5-112.5	0.	30	0- 30	0.1583E 00	90-120	0.
45-60.00	0.1144E 03	-7.5 TO 22.5	0.1722E-01	82.5-112.5	0.	45	0- 30	0.5459E-01	90-120	0.
60-75.00	0.1333E 03	-7.5 TO 22.5	0.3622E-02	82.5-112.5	0.	60	0- 30	0.1361E-01	90-120	0.
75-86.98	0.1139E 03	-7.5 TO 22.5	0.2066E-03	82.5-112.5	0.	75	0- 30	0.1332E-02	90-120	0.
0-15.00	0.2824E 02	-7.5 TO 37.5	0.2240E 00	82.5-127.5	0.3406E-05	0	0- 45	0.1249E 00	90-135	0.1249E 00
15-30.00	0.8280E 02	-7.5 TO 37.5	0.1155E 00	82.5-127.5	0.	15	0- 45	0.3671E 00	90-135	0.
30-45.00	0.1317E 03	-7.5 TO 37.5	0.4534E-01	82.5-127.5	0.	30	0- 45	0.1743E 00	90-135	0.
45-60.00	0.1717E 03	-7.5 TO 37.5	0.1407E-01	82.5-127.5	0.	45	0- 45	0.6249E-01	90-135	0.
60-75.00	0.1999E 03	-7.5 TO 37.5	0.2762E-02	82.5-127.5	0.	60	0- 45	0.1563E-01	90-135	0.
75-86.98	0.1709E 03	-7.5 TO 37.5	0.1520E-03	82.5-127.5	0.	75	0- 45	0.1402E-02	90-135	0.
0-15.00	0.3766E 02	-7.5 TO 52.5	0.1690E 00	82.5-142.5	0.2928E-05	0	0- 60	0.1665E 00	90-150	0.1665E 00
15-30.00	0.1104E 03	-7.5 TO 52.5	0.8871E-01	82.5-142.5	0.	15	0- 60	0.3695E 00	90-150	0.
30-45.00	0.1756E 03	-7.5 TO 52.5	0.3562E-01	82.5-142.5	0.	30	0- 60	0.1778E 00	90-150	0.
45-60.00	0.2289E 03	-7.5 TO 52.5	0.1116E-01	82.5-142.5	0.	45	0- 60	0.6433E-01	90-150	0.
60-75.00	0.2665E 03	-7.5 TO 52.5	0.2160E-02	82.5-142.5	0.	60	0- 60	0.1598E-01	90-150	0.
75-86.98	0.2279E 03	-7.5 TO 52.5	0.1145E-03	82.5-142.5	0.	75	0- 60	0.1402E-02	90-150	0.
0-15.00	0.4707E 02	-7.5 TO 67.5	0.1353E 00	82.5-157.5	0.2596E-05	0	0- 75	0.2082E 00	90-165	0.2082E 00
15-30.00	0.1380E 03	-7.5 TO 67.5	0.7127E-01	82.5-157.5	0.	15	0- 75	0.3698E 00	90-165	0.
30-45.00	0.2195E 03	-7.5 TO 67.5	0.2873E-01	82.5-157.5	0.	30	0- 75	0.1783E 00	90-165	0.
45-60.00	0.2861E 03	-7.5 TO 67.5	0.9008E-02	82.5-157.5	0.	45	0- 75	0.6450E-01	90-165	0.
60-75.00	0.3332E 03	-7.5 TO 67.5	0.1734E-02	82.5-157.5	0.	60	0- 75	0.1599E-01	90-165	0.
75-86.98	0.2849E 03	-7.5 TO 67.5	0.9158E-04	82.5-157.5	0.	75	0- 75	0.1402E-02	90-165	0.
0-15.00	0.5648E 02	-7.5 TO 82.5	0.1128E 00	82.5-172.5	0.2355E-05	0	0- 90	0.2498E 00	90-180	0.2498E 00
15-30.00	0.1656E 03	-7.5 TO 82.5	0.5941E-01	82.5-172.5	0.	15	0- 90	0.3698E 00	90-180	0.
30-45.00	0.2634E 03	-7.5 TO 82.5	0.2396E-01	82.5-172.5	0.	30	0- 90	0.1783E 00	90-180	0.
45-60.00	0.3433E 03	-7.5 TO 82.5	0.7509E-02	82.5-172.5	0.	45	0- 90	0.6450E-01	90-180	0.
60-75.00	0.3998E 03	-7.5 TO 82.5	0.1445E-02	82.5-172.5	0.	60	0- 90	0.1599E-01	90-180	0.
75-86.98	0.3418E 03	-7.5 TO 82.5	0.7632E-04	82.5-172.5	0.	75	0- 90	0.1402E-02	90-180	0.
0-15.00	0.6590E 02	-7.5 TO 97.5	0.9668E-01	82.5-187.5	0.2178E-05	0	0-105	0.2914E 00	90-195	0.2914E 00
15-30.00	0.1932E 03	-7.5 TO 97.5	0.5092E-01	82.5-187.5	0.	15	0-105	0.3698E 00	90-195	0.
30-45.00	0.3073E 03	-7.5 TO 97.5	0.2053E-01	82.5-187.5	0.	30	0-105	0.1783E 00	90-195	0.
45-60.00	0.4005E 03	-7.5 TO 97.5	0.6436E-02	82.5-187.5	0.	45	0-105	0.6450E-01	90-195	0.
60-75.00	0.4664E 03	-7.5 TO 97.5	0.1238E-02	82.5-187.5	0.	60	0-105	0.1599E-01	90-195	0.
75-86.98	0.3988E 03	-7.5 TO 97.5	0.6542E-04	82.5-187.5	0.	75	0-105	0.1402E-02	90-195	0.

$r_2/r_1 = 0.90$ $d/r_1 = 1.901$ $\cosh \mu_1 = 1.0005$ $\cosh \mu_2 = 1.0006$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 1.96$

0-15.00	0.9414E 01	-7.5 TO 7.5	0.4884E 00	82.5- 97.5	0.5624E-05	0	0- 15	0.4163E-01	90-105	0.4163E-01
15-30.00	0.2760E 02	-7.5 TO 7.5	0.1935E 00	82.5- 97.5	0.	15	0- 15	0.2837E 00	90-105	0.
30-45.00	0.4391E 02	-7.5 TO 7.5	0.6561E-01	82.5- 97.5	0.	30	0- 15	0.1065E 00	90-105	0.
45-60.00	0.5722E 02	-7.5 TO 7.5	0.1969E-01	82.5- 97.5	0.	45	0- 15	0.3418E-01	90-105	0.
60-75.00	0.6663E 02	-7.5 TO 7.5	0.4300E-02	82.5- 97.5	0.	60	0- 15	0.8944E-02	90-105	0.
75-86.98	0.5657E 02	-7.5 TO 7.5	0.3661E-03	82.5- 97.5	0.	75	0- 15	0.1152E-02	90-105	0.
0-15.00	0.1883E 02	-7.5 TO 22.5	0.3244E 00	82.5-112.5	0.4157E-05	0	0- 30	0.8326E-01	90-120	0.8326E-01
15-30.00	0.5520E 02	-7.5 TO 22.5	0.1551E 00	82.5-112.5	0.	15	0- 30	0.3536E 00	90-120	0.
30-45.00	0.8781E 02	-7.5 TO 22.5	0.5718E-01	82.5-112.5	0.	30	0- 30	0.1583E 00	90-120	0.
45-60.00	0.1144E 03	-7.5 TO 22.5	0.1766E-01	82.5-112.5	0.	45	0- 30	0.5480E-01	90-120	0.
60-75.00	0.1333E 03	-7.5 TO 22.5	0.3846E-02	82.5-112.5	0.	60	0- 30	0.1455E-01	90-120	0.
75-86.98	0.1139E 03	-7.5 TO 22.5	0.3085E-03	82.5-112.5	0.	75	0- 30	0.1744E-02	90-120	0.
0-15.00	0.2824E 02	-7.5 TO 37.5	0.2240E 00	82.5-127.5	0.3406E-05	0	0- 45	0.1249E 00	90-135	0.1249E 00
15-30.00	0.8280E 02	-7.5 TO 37.5	0.1155E 00	82.5-127.5	0.	15	0- 45	0.3671E 00	90-135	0.
30-45.00	0.1317E 03	-7.5 TO 37.5	0.4535E-01	82.5-127.5	0.	30	0- 45	0.1743E 00	90-135	0.
45-60.00	0.1717E 03	-7.5 TO 37.5	0.1440E-01	82.5-127.5	0.	45	0- 45	0.6270E-01	90-135	0.
60-75.00	0.1999E 03	-7.5 TO 37.5	0.3095E-02	82.5-127.5	0.	60	0- 45	0.1664E-01	90-135	0.
75-86.98	0.1709E 03	-7.5 TO 37.5	0.2289E-03	82.5-127.5	0.	75	0- 45	0.1849E-02	90-135	0.
0-15.00	0.3766E 02	-7.5 TO 52.5	0.1690E 00	82.5-142.5	0.2928E-05	0	0- 60	0.1665E 00	90-150	0.1665E 00
15-30.00	0.1104E 03	-7.5 TO 52.5	0.8871E-01	82.5-142.5	0.	15	0- 60	0.3695E 00	90-150	0.
30-45.00	0.1756E 03	-7.5 TO 52.5	0.3563E-01	82.5-142.5	0.	30	0- 60	0.1778E 00	90-150	0.
45-60.00	0.2289E 03	-7.5 TO 52.5	0.1141E-01	82.5-142.5	0.	45	0- 60	0.6454E-01	90-150	0.
60-75.00	0.2665E 03	-7.5 TO 52.5	0.2416E-02	82.5-142.5	0.	60	0- 60	0.1700E-01	90-150	0.
75-86.98	0.2279E 03	-7.5 TO 52.5	0.1727E-03	82.5-142.5	0.	75	0- 60	0.1850E-02	90-150	0.
0-15.00	0.4707E 02	-7.5 TO 67.5	0.1353E 00	82.5-157.5	0.2596E-05	0	0- 75	0.2082E 00	90-165	0.2082E 00
15-30.00	0.1380E 03	-7.5 TO 67.5	0.7127E-01	82.5-157.5	0.	15	0- 75	0.3698E 00	90-165	0.
30-45.00	0.2195E 03	-7.5 TO 67.5	0.2874E-01	82.5-157.5	0.	30	0- 75	0.1783E 00	90-165	0.
45-60.00	0.2861E 03	-7.5 TO 67.5	0.9209E-02	82.5-157.5	0.	45	0- 75	0.6470E-01	90-165	0.
60-75.00	0.3332E 03	-7.5 TO 67.5	0.1939E-02	82.5-157.5	0.	60	0- 75	0.1700E-01	90-165	0.
75-86.98	0.2849E 03	-7.5 TO 67.5	0.1382E-03	82.5-157.5	0.	75	0- 75	0.1850E-02	90-165	0.
0-15.00	0.5648E 02	-7.5 TO 82.5	0.1128E 00	82.5-172.5	0.2355E-05	0	0- 90	0.2498E 00	90-180	0.2498E 00
15-30.00	0.1656E 03	-7.5 TO 82.5	0.5941E-01	82.5-172.5	0.	15	0- 90	0.3698E 00	90-180	0.
30-45.00	0.2634E 03	-7.5 TO 82.5	0.2396E-01	82.5-172.5	0.	30	0- 90	0.1783E 00	90-180	0.
45-60.00	0.3433E 03	-7.5 TO 82.5	0.7676E-02	82.5-172.5	0.	45	0- 90	0.6470E-01	90-180	0.
60-75.00	0.3998E 03	-7.5 TO 82.5	0.1615E-02	82.5-172.5	0.	60	0- 90	0.1700E-01	90-180	0.
75-86.98	0.3418E 03	-7.5 TO 82.5	0.1152E-03	82.5-172.5	0.	75	0- 90	0.1850E-02	90-180	0.
0-15.00	0.6590E 02	-7.5 TO 97.5	0.9668E-01	82.5-187.5	0.2178E-05	0	0-105	0.2914E 00	90-195	0.2914E 00
15-30.00	0.1932E 03	-7.5 TO 97.5	0.5092E-01	82.5-187.5	0.	15	0-105	0.3698E 00	90-195	0.
30-45.00	0.3073E 03	-7.5 TO 97.5	0.2054E-01	82.5-187.5	0.	30	0-105	0.1783E 00	90-195	0.
45-60.00	0.4005E 03	-7.5 TO 97.5	0.6580E-02	82.5-187.5	0.	45	0-105	0.6470E-01	90-195	0.
60-75.00	0.4664E 03	-7.5 TO 97.5	0.1385E-02	82.5-187.5	0.	60	0-105	0.1700E-01	90-195	0.
75-86.98	0.3988E 03	-7.5 TO 97.5	0.9870E-04	82.5-187.5	0.	75	0-105	0.1850E-02	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

$r_2/r_1 = 0.90$ $d/r_1 = 1.901$ $\cosh \mu_1 = 1.0005$ $\cosh \mu_2 = 1.0006$ $\alpha_{2,max} = 93.02$ $\theta_{2,min} = 1.86$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.9414E 01	-7.5 TO 7.5	0.4884E 00	82.5- 97.5	0.5624E-05	0	0- 15	0.4163E-01	90-105	0.4163E-01
15-30.00	0.2760E 02	-7.5 TO 7.5	0.1935E 00	82.5- 97.5	0.	15	0- 15	0.2837E 00	90-105	0.
30-45.00	0.4391E 02	-7.5 TO 7.5	0.6561E-01	82.5- 97.5	0.	30	0- 15	0.1065E 00	90-105	0.
45-60.00	0.5722E 02	-7.5 TO 7.5	0.1969E-01	82.5- 97.5	0.	45	0- 15	0.3418E-01	90-105	0.
60-75.00	0.6663E 02	-7.5 TO 7.5	0.4301E-02	82.5- 97.5	0.	60	0- 15	0.8944E-02	90-105	0.
75-86.98	0.5657E 02	-7.5 TO 7.5	0.3683E-03	82.5- 97.5	0.	75	0- 15	0.1155E-02	90-105	0.
0-15.00	0.1883E 02	-7.5 TO 22.5	0.3244E 00	82.5-112.5	0.4157E-05	0	0- 30	0.8326E-01	90-120	0.8326E-01
15-30.00	0.5520E 02	-7.5 TO 22.5	0.1551E 00	82.5-112.5	0.	15	0- 30	0.3536E 00	90-120	0.
30-45.00	0.8781E 02	-7.5 TO 22.5	0.5718E-01	82.5-112.5	0.	30	0- 30	0.1583E 00	90-120	0.
45-60.00	0.1144E 03	-7.5 TO 22.5	0.1766E-01	82.5-112.5	0.	45	0- 30	0.5480E-01	90-120	0.
60-75.00	0.1333E 03	-7.5 TO 22.5	0.3845E-02	82.5-112.5	0.	60	0- 30	0.1455E-01	90-120	0.
75-86.98	0.1139E 03	-7.5 TO 22.5	0.3101E-03	82.5-112.5	0.	75	0- 30	0.1748E-02	90-120	0.
0-15.00	0.2824E 02	-7.5 TO 37.5	0.2240E 00	82.5-127.5	0.3406E-05	0	0- 45	0.1249E 00	90-135	0.1249E 00
15-30.00	0.8280E 02	-7.5 TO 37.5	0.1155E 00	82.5-127.5	0.	15	0- 45	0.3671E 00	90-135	0.
30-45.00	0.1317E 03	-7.5 TO 37.5	0.4535E-01	82.5-127.5	0.	30	0- 45	0.1743E 00	90-135	0.
45-60.00	0.1717E 03	-7.5 TO 37.5	0.1440E-01	82.5-127.5	0.	45	0- 45	0.6270E-01	90-135	0.
60-75.00	0.1999E 03	-7.5 TO 37.5	0.3096E-02	82.5-127.5	0.	60	0- 45	0.1664E-01	90-135	0.
75-86.98	0.1709E 03	-7.5 TO 37.5	0.2300E-03	82.5-127.5	0.	75	0- 45	0.1852E-02	90-135	0.
0-15.00	0.3766E 02	-7.5 TO 52.5	0.1690E 00	82.5-142.5	0.2928E-05	0	0- 60	0.1665E 00	90-150	0.1665E 00
15-30.00	0.1104E 03	-7.5 TO 52.5	0.8871E-01	82.5-142.5	0.	15	0- 60	0.3695E 00	90-150	0.
30-45.00	0.1756E 03	-7.5 TO 52.5	0.3563E-01	82.5-142.5	0.	30	0- 60	0.1778E 00	90-150	0.
45-60.00	0.2289E 03	-7.5 TO 52.5	0.1141E-01	82.5-142.5	0.	45	0- 60	0.6454E-01	90-150	0.
60-75.00	0.2665E 03	-7.5 TO 52.5	0.2417E-02	82.5-142.5	0.	60	0- 60	0.1700E-01	90-150	0.
75-86.98	0.2279E 03	-7.5 TO 52.5	0.1735E-03	82.5-142.5	0.	75	0- 60	0.1853E-02	90-150	0.
0-15.00	0.4707E 02	-7.5 TO 67.5	0.1353E 00	82.5-157.5	0.2596E-05	0	0- 75	0.2082E 00	90-165	0.2082E 00
15-30.00	0.1380E 03	-7.5 TO 67.5	0.7127E-01	82.5-157.5	0.	15	0- 75	0.3698E 00	90-165	0.
30-45.00	0.2195E 03	-7.5 TO 67.5	0.2874E-01	82.5-157.5	0.	30	0- 75	0.1783E 00	90-165	0.
45-60.00	0.2861E 03	-7.5 TO 67.5	0.9209E-02	82.5-157.5	0.	45	0- 75	0.6470E-01	90-165	0.
60-75.00	0.3332E 03	-7.5 TO 67.5	0.1939E-02	82.5-157.5	0.	60	0- 75	0.1700E-01	90-165	0.
75-86.98	0.2849E 03	-7.5 TO 67.5	0.1388E-03	82.5-157.5	0.	75	0- 75	0.1853E-02	90-165	0.
0-15.00	0.5648E 02	-7.5 TO 82.5	0.1128E 00	82.5-172.5	0.2355E-05	0	0- 90	0.2498E 00	90-180	0.2498E 00
15-30.00	0.1656E 03	-7.5 TO 82.5	0.5941E-01	82.5-172.5	0.	15	0- 90	0.3698E 00	90-180	0.
30-45.00	0.2634E 03	-7.5 TO 82.5	0.2396E-01	82.5-172.5	0.	30	0- 90	0.1783E 00	90-180	0.
45-60.00	0.3433E 03	-7.5 TO 82.5	0.7676E-02	82.5-172.5	0.	45	0- 90	0.6470E-01	90-180	0.
60-75.00	0.3998E 03	-7.5 TO 82.5	0.1616E-02	82.5-172.5	0.	60	0- 90	0.1700E-01	90-180	0.
75-86.98	0.3418E 03	-7.5 TO 82.5	0.1157E-03	82.5-172.5	0.	75	0- 90	0.1853E-02	90-180	0.
0-15.00	0.6590E 02	-7.5 TO 97.5	0.9668E-01	82.5-187.5	0.2178E-05	0	0-105	0.2914E 00	90-195	0.2914E 00
15-30.00	0.1932E 03	-7.5 TO 97.5	0.5092E-01	82.5-187.5	0.	15	0-105	0.3698E 00	90-195	0.
30-45.00	0.3073E 03	-7.5 TO 97.5	0.2054E-01	82.5-187.5	0.	30	0-105	0.1783E 00	90-195	0.
45-60.00	0.4005E 03	-7.5 TO 97.5	0.6580E-02	82.5-187.5	0.	45	0-105	0.6470E-01	90-195	0.
60-75.00	0.4664E 03	-7.5 TO 97.5	0.1385E-02	82.5-187.5	0.	60	0-105	0.1700E-01	90-195	0.
75-86.98	0.3988E 03	-7.5 TO 97.5	0.9916E-04	82.5-187.5	0.	75	0-105	0.1853E-02	90-195	0.

$r_2/r_1 = 0.90$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.0475$ $\cosh \mu_2 = 1.0583$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 103.95$

0-15.00	0.9172E-01	-7.5 TO 7.5	0.7787E-01	82.5- 97.5	0.6937E-02	0	0- 15	0.3169E-01	90-105	0.3169E-01
15-30.00	0.2689E 00	-7.5 TO 7.5	0.1007E-01	82.5- 97.5	0.3494E-03	15	0- 15	0.4115E-01	90-105	0.1259E-02
30-45.00	0.4278E 00	-7.5 TO 7.5	0.2446E-03	82.5- 97.5	0.3282E-08	30	0- 15	0.1263E-02	90-105	0.
45-60.00	0.5575E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
60-75.00	0.6492E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-87.13	0.5621E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1834E 00	-7.5 TO 22.5	0.7199E-01	82.5-112.5	0.5972E-02	0	0- 30	0.6339E-01	90-120	0.6339E-01
15-30.00	0.5378E 00	-7.5 TO 22.5	0.9261E-02	82.5-112.5	0.2652E-03	15	0- 30	0.6868E-01	90-120	0.2040E-02
30-45.00	0.8556E 00	-7.5 TO 22.5	0.2254E-03	82.5-112.5	0.1641E-08	30	0- 30	0.2209E-02	90-120	0.
45-60.00	0.1115E 01	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
60-75.00	0.1298E 01	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-87.13	0.1124E 01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.2752E 00	-7.5 TO 37.5	0.6262E-01	82.5-127.5	0.5264E-02	0	0- 45	0.9508E-01	90-135	0.9508E-01
15-30.00	0.8068E 00	-7.5 TO 37.5	0.7955E-02	82.5-127.5	0.2124E-03	15	0- 45	0.8349E-01	90-135	0.2564E-02
30-45.00	0.1283E 01	-7.5 TO 37.5	0.1910E-03	82.5-127.5	0.1094E-08	30	0- 45	0.2745E-02	90-135	0.
45-60.00	0.1673E 01	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
60-75.00	0.1948E 01	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-87.13	0.1686E 01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.3669E 00	-7.5 TO 52.5	0.5358E-01	82.5-142.5	0.4733E-02	0	0- 60	0.1268E 00	90-150	0.1268E 00
15-30.00	0.1076E 01	-7.5 TO 52.5	0.6689E-02	82.5-142.5	0.1762E-03	15	0- 60	0.9104E-01	90-150	0.2946E-02
30-45.00	0.1711E 01	-7.5 TO 52.5	0.1553E-03	82.5-142.5	0.8206E-09	30	0- 60	0.2963E-02	90-150	0.
45-60.00	0.2230E 01	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
60-75.00	0.2597E 01	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-87.13	0.2248E 01	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.4586E 00	-7.5 TO 67.5	0.4608E-01	82.5-157.5	0.4332E-02	0	0- 75	0.1585E 00	90-165	0.1585E 00
15-30.00	0.1345E 01	-7.5 TO 67.5	0.5642E-02	82.5-157.5	0.1500E-03	15	0- 75	0.9499E-01	90-165	0.3255E-02
30-45.00	0.2139E 01	-7.5 TO 67.5	0.1264E-03	82.5-157.5	0.6564E-09	30	0- 75	0.3008E-02	90-165	0.
45-60.00	0.2788E 01	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
60-75.00	0.3246E 01	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-87.13	0.2811E 01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.5503E 00	-7.5 TO 82.5	0.4011E-01	82.5-172.5	0.4027E-02	0	0- 90	0.1902E 00	90-180	0.1902E 00
15-30.00	0.1614E 01	-7.5 TO 82.5	0.4817E-02	82.5-172.5	0.1308E-03	15	0- 90	0.9716E-01	90-180	0.3532E-02
30-45.00	0.2567E 01	-7.5 TO 82.5	0.1054E-03	82.5-172.5	0.5470E-09	30	0- 90	0.3009E-02	90-180	0.
45-60.00	0.3345E 01	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
60-75.00	0.3895E 01	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-87.13	0.3373E 01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.6421E 00	-7.5 TO 97.5	0.3537E-01	82.5-187.5	0.3799E-02	0	0-105	0.2219E 00	90-195	0.2219E 00
15-30.00	0.1882E 01	-7.5 TO 97.5	0.4179E-02	82.5-187.5	0.1168E-03	15	0-105	0.9841E-01	90-195	0.3808E-02
30-45.00	0.2994E 01	-7.5 TO 97.5	0.9038E-04	82.5-187.5	0.4689E-09	30	0-105	0.3009E-02	90-195	0.
45-60.00	0.3903E 01	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.
60-75.00	0.4545E 01	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-87.13	0.3935E 01	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

$r_2/r_1 = 0.90$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.0475$ $\cosh \mu_2 = 1.0583$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 64.28$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.9172E-01	-7.5 TO 7.5	0.1307E 00	82.5- 97.5	0.8370E-02	0	0- 15	0.3375E-01	90-105	0.3375E-01
15-30.00	0.2689E 00	-7.5 TO 7.5	0.7559E-01	82.5- 97.5	0.7973E-03	15	0- 15	0.1312E 00	90-105	0.1838E-02
30-45.00	0.4278E 00	-7.5 TO 7.5	0.1143E-01	82.5- 97.5	0.1296E-04	30	0- 15	0.2948E-01	90-105	0.5754E-04
45-60.00	0.5515E 00	-7.5 TO 7.5	0.7362E-03	82.5- 97.5	0.	45	0- 15	0.2704E-02	90-105	0.
60-75.00	0.6492E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-87.13	0.5621E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1834E 00	-7.5 TO 22.5	0.1200E 00	82.5-112.5	0.7046E-02	0	0- 30	0.6750E-01	90-120	0.6750E-01
15-30.00	0.5378E 00	-7.5 TO 22.5	0.6738E-01	82.5-112.5	0.5466E-03	15	0- 30	0.2137E 00	90-120	0.2823E-02
30-45.00	0.8556E 00	-7.5 TO 22.5	0.1035E-01	82.5-112.5	0.7438E-05	30	0- 30	0.4836E-01	90-120	0.5754E-04
45-60.00	0.1115E 01	-7.5 TO 22.5	0.6549E-03	82.5-112.5	0.	45	0- 30	0.4458E-02	90-120	0.
60-75.00	0.1258E 01	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-87.13	0.1124E 01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.2752E 00	-7.5 TO 37.5	0.1032E 00	82.5-127.5	0.6110E-02	0	0- 45	0.1012E 00	90-135	0.1012E 00
15-30.00	0.8068E 00	-7.5 TO 37.5	0.5541E-01	82.5-127.5	0.4092E-03	15	0- 45	0.2537E 00	90-135	0.3418E-02
30-45.00	0.1283E 01	-7.5 TO 37.5	0.8635E-02	82.5-127.5	0.4959E-05	30	0- 45	0.5726E-01	90-135	0.5754E-04
45-60.00	0.1673E 01	-7.5 TO 37.5	0.5241E-03	82.5-127.5	0.	45	0- 45	0.5167E-02	90-135	0.
60-75.00	0.1948E 01	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-87.13	0.1686E 01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.3669E 00	-7.5 TO 52.5	0.8723E-01	82.5-142.5	0.5428E-02	0	0- 60	0.1350E 00	90-150	0.1350E 00
15-30.00	0.1076E 01	-7.5 TO 52.5	0.4500E-01	82.5-142.5	0.3261E-03	15	0- 60	0.2717E 00	90-150	0.3828E-02
30-45.00	0.1711E 01	-7.5 TO 52.5	0.7015E-02	82.5-142.5	0.3719E-05	30	0- 60	0.6071E-01	90-150	0.5754E-04
45-60.00	0.2230E 01	-7.5 TO 52.5	0.4079E-03	82.5-142.5	0.	45	0- 60	0.5298E-02	90-150	0.
60-75.00	0.2597E 01	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-87.13	0.2248E 01	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.4586E 00	-7.5 TO 67.5	0.7426E-01	82.5-157.5	0.4921E-02	0	0- 75	0.1687E 00	90-165	0.1687E 00
15-30.00	0.1345E 01	-7.5 TO 67.5	0.3711E-01	82.5-157.5	0.2705E-03	15	0- 75	0.2798E 00	90-165	0.4148E-02
30-45.00	0.2139E 01	-7.5 TO 67.5	0.5743E-02	82.5-157.5	0.2975E-05	30	0- 75	0.6181E-01	90-165	0.5754E-04
45-60.00	0.2788E 01	-7.5 TO 67.5	0.3271E-03	82.5-157.5	0.	45	0- 75	0.5299E-02	90-165	0.
60-75.00	0.3246E 01	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-87.12	0.2811E 01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.5503E 00	-7.5 TO 82.5	0.6409E-01	82.5-172.5	0.4540E-02	0	0- 90	0.2025E 00	90-180	0.2025E 00
15-30.00	0.1614E 01	-7.5 TO 82.5	0.3127E-01	82.5-172.5	0.2315E-03	15	0- 90	0.2836E 00	90-180	0.4433E-02
30-45.00	0.2567E 01	-7.5 TO 82.5	0.4807E-02	82.5-172.5	0.2479E-05	30	0- 90	0.6204E-01	90-180	0.5754E-04
45-60.00	0.3345E 01	-7.5 TO 82.5	0.2726E-03	82.5-172.5	0.	45	0- 90	0.5299E-02	90-180	0.
60-75.00	0.3895E 01	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-87.13	0.3373E 01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.6421E 00	-7.5 TO 97.5	0.5613E-01	82.5-187.5	0.4257E-02	0	0-105	0.2362E 00	90-195	0.2362E 00
15-30.00	0.1882E 01	-7.5 TO 97.5	0.2692E-01	82.5-187.5	0.2033E-03	15	0-105	0.2854E 00	90-195	0.4717E-02
30-45.00	0.2994E 01	-7.5 TO 97.5	0.4122E-02	82.5-187.5	0.2125E-05	30	0-105	0.6209E-01	90-195	0.5754E-04
45-60.00	0.3903E 01	-7.5 TO 97.5	0.2336E-03	82.5-187.5	0.	45	0-105	0.5299E-02	90-195	0.
60-75.00	0.4545E 01	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-87.13	0.3935E 01	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

$r_2/r_1 = 0.90$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.0475$ $\cosh \mu_2 = 1.0583$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 44.24$

0-15.00	0.9172E-01	-7.5 TO 7.5	0.1349E 00	82.5- 97.5	0.8371E-02	0	0- 15	0.3375E-01	90-105	0.3375E-01
15-30.00	0.2689E 00	-7.5 TO 7.5	0.1072E 00	82.5- 97.5	0.8399E-03	15	0- 15	0.1421E 00	90-105	0.1838E-02
30-45.00	0.4278E 00	-7.5 TO 7.5	0.3512E-01	82.5- 97.5	0.4237E-04	30	0- 15	0.6508E-01	90-105	0.6975E-04
45-60.00	0.5515E 00	-7.5 TO 7.5	0.6581E-02	82.5- 97.5	0.	45	0- 15	0.1466E-01	90-105	0.
60-75.00	0.6492E 00	-7.5 TO 7.5	0.4694E-03	82.5- 97.5	0.	60	0- 15	0.1764E-02	90-105	0.
75-87.13	0.5621E 00	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1834E 00	-7.5 TO 22.5	0.1234E 00	82.5-112.5	0.7046E-02	0	0- 30	0.6750E-01	90-120	0.6750E-01
15-30.00	0.5378E 00	-7.5 TO 22.5	0.9581E-01	82.5-112.5	0.5688E-03	15	0- 30	0.2320E 00	90-120	0.2823E-02
30-45.00	0.8556E 00	-7.5 TO 22.5	0.3174E-01	82.5-112.5	0.2410E-04	30	0- 30	0.1063E 00	90-120	0.7776E-04
45-60.00	0.1115E 01	-7.5 TO 22.5	0.5979E-02	82.5-112.5	0.	45	0- 30	0.2446E-01	90-120	0.
60-75.00	0.1258E 01	-7.5 TO 22.5	0.4079E-03	82.5-112.5	0.	60	0- 30	0.2820E-02	90-120	0.
75-87.13	0.1124E 01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.2752E 00	-7.5 TO 37.5	0.1061E 00	82.5-127.5	0.6110E-02	0	0- 45	0.1012E 00	90-135	0.1012E 00
15-30.00	0.8068E 00	-7.5 TO 37.5	0.7892E-01	82.5-127.5	0.4240E-03	15	0- 45	0.2756E 00	90-135	0.3418E-02
30-45.00	0.1283E 01	-7.5 TO 37.5	0.2640E-01	82.5-127.5	0.1608E-04	30	0- 45	0.1252E 00	90-135	0.7776E-04
45-60.00	0.1673E 01	-7.5 TO 37.5	0.4969E-02	82.5-127.5	0.	45	0- 45	0.2903E-01	90-135	0.
60-75.00	0.1948E 01	-7.5 TO 37.5	0.3150E-03	82.5-127.5	0.	60	0- 45	0.3138E-02	90-135	0.
75-87.13	0.1686E 01	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.3669E 00	-7.5 TO 52.5	0.8963E-01	82.5-142.5	0.5428E-02	0	0- 60	0.1350E 00	90-150	0.1350E 00
15-30.00	0.1076E 01	-7.5 TO 52.5	0.6403E-01	82.5-142.5	0.3372E-03	15	0- 60	0.2949E 00	90-150	0.3828E-02
30-45.00	0.1711E 01	-7.5 TO 52.5	0.2144E-01	82.5-142.5	0.1206E-04	30	0- 60	0.1323E 00	90-150	0.7776E-04
45-60.00	0.2230E 01	-7.5 TO 52.5	0.3989E-02	82.5-142.5	0.	45	0- 60	0.3050E-01	90-150	0.
60-75.00	0.2597E 01	-7.5 TO 52.5	0.2403E-03	82.5-142.5	0.	60	0- 60	0.3156E-02	90-150	0.
75-87.13	0.2248E 01	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.4586E 00	-7.5 TO 67.5	0.7622E-01	82.5-157.5	0.4921E-02	0	0- 75	0.1687E 00	90-165	0.1687E 00
15-30.00	0.1345E 01	-7.5 TO 67.5	0.5269E-01	82.5-157.5	0.2794E-03	15	0- 75	0.3033E 00	90-165	0.4148E-02
30-45.00	0.2139E 01	-7.5 TO 67.5	0.1757E-01	82.5-157.5	0.9648E-05	30	0- 75	0.1344E 00	90-165	0.7776E-04
45-60.00	0.2788E 01	-7.5 TO 67.5	0.3233E-02	82.5-157.5	0.	45	0- 75	0.3076E-01	90-165	0.
60-75.00	0.3246E 01	-7.5 TO 67.5	0.1923E-03	82.5-157.5	0.	60	0- 75	0.3156E-02	90-165	0.
75-87.13	0.2811E 01	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.5503E 00	-7.5 TO 82.5	0.6573E-01	82.5-172.5	0.4540E-02	0	0- 90	0.2025E 00	90-180	0.2025E 00
15-30.00	0.1614E 01	-7.5 TO 82.5	0.4432E-01	82.5-172.5	0.2389E-03	15	0- 90	0.3071E 00	90-180	0.4433E-02
30-45.00	0.2567E 01	-7.5 TO 82.5	0.1471E-01	82.5-172.5	0.8040E-05	30	0- 90	0.1348E 00	90-180	0.7776E-04
45-60.00	0.3345E 01	-7.5 TO 82.5	0.2697E-02	82.5-172.5	0.	45	0- 90	0.3077E-01	90-180	0.
60-75.00	0.3895E 01	-7.5 TO 82.5	0.1602E-03	82.5-172.5	0.	60	0- 90	0.3156E-02	90-180	0.
75-87.13	0.3373E 01	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.6421E 00	-7.5 TO 97.5	0.5753E-01	82.5-187.5	0.4257E-02	0	0-105	0.2362E 00	90-195	0.2362E 00
15-30.00	0.1882E 01	-7.5 TO 97.5	0.3811E-01	82.5-187.5	0.2096E-03	15	0-105	0.3089E 00	90-195	0.4717E-02
30-45.00	0.2994E 01	-7.5 TO 97.5	0.1262E-01	82.5-187.5	0.6891E-05	30	0-105	0.1349E 00	90-195	0.7776E-04
45-60.00	0.3903E 01	-7.5 TO 97.5	0.2312E-02	82.5-187.5	0.	45	0-105	0.3077E-01	90-195	0.
60-75.00	0.4545E 01	-7.5 TO 97.5	0.1373E-03	82.5-187.5	0.	60	0-105	0.3156E-02	90-195	0.
75-87.13	0.3935E 01	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 2.000 $\cosh \mu_1$ = 1.0475 $\cosh \mu_2$ = 1.0583 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 32.51

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.9172E-01	-7.5 TO 7.5	0.1345E 00	82.5- 97.5	0.8371E-02	0	0- 15	0.3375E-01	90-105	0.3375E-01
15-30.00	0.2689E 00	-7.5 TO 7.5	0.1125E 00	82.5- 97.5	0.8399E-03	15	0- 15	0.1421E 00	90-105	0.1838E-02
30-45.00	0.4278E 00	-7.5 TO 7.5	0.4733E-01	82.5- 97.5	0.4328E-04	30	0- 15	0.7574E-01	90-105	0.6975E-04
45-60.00	0.5575E 00	-7.5 TO 7.5	0.1325E-01	82.5- 97.5	0.	45	0- 15	0.2471E-01	90-105	0.
60-75.00	0.6492E 00	-7.5 TO 7.5	0.2159E-02	82.5- 97.5	0.	60	0- 15	0.5296E-02	90-105	0.
75-87.13	0.5621E 00	-7.5 TO 7.5	0.5300E-04	82.5- 97.5	0.	75	0- 15	0.3003E-03	90-105	0.
0-15.00	0.1834E 00	-7.5 TO 22.5	0.1234E 00	82.5-112.5	0.7046E-02	0	0- 30	0.6750E-01	90-120	0.6750E-01
15-30.00	0.5378E 00	-7.5 TO 22.5	0.1005E 00	82.5-112.5	0.5688E-03	15	0- 30	0.2320E 00	90-120	0.2823E-02
30-45.00	0.8556E 00	-7.5 TO 22.5	0.4287E-01	82.5-112.5	0.2455E-04	30	0- 30	0.1239E 00	90-120	0.7776E-04
45-60.00	0.1115E 01	-7.5 TO 22.5	0.1211E-01	82.5-112.5	0.	45	0- 30	0.4143E-01	90-120	0.
60-75.00	0.1298E 01	-7.5 TO 22.5	0.1941E-02	82.5-112.5	0.	60	0- 30	0.8808E-02	90-120	0.
75-87.13	0.1124E 01	-7.5 TO 22.5	0.4206E-04	82.5-112.5	0.	75	0- 30	0.4168E-03	90-120	0.
0-15.00	0.2752E 00	-7.5 TO 37.5	0.1061E 00	82.5-127.5	0.6110E-02	0	0- 45	0.1012E 00	90-135	0.1012E 00
15-30.00	0.8068E 00	-7.5 TO 37.5	0.8278E-01	82.5-127.5	0.4240E-03	15	0- 45	0.2757E 00	90-135	0.3418E-02
30-45.00	0.1283E 01	-7.5 TO 37.5	0.3573E-01	82.5-127.5	0.1638E-04	30	0- 45	0.1458E 00	90-135	0.7776E-04
45-60.00	0.1673E 01	-7.5 TO 37.5	0.1016E-01	82.5-127.5	0.	45	0- 45	0.4940E-01	90-135	0.
60-75.00	0.1948E 01	-7.5 TO 37.5	0.1575E-02	82.5-127.5	0.	60	0- 45	0.1029E-01	90-135	0.
75-87.13	0.1686E 01	-7.5 TO 37.5	0.2952E-04	82.5-127.5	0.	75	0- 45	0.4215E-03	90-135	0.
0-15.00	0.3669E 00	-7.5 TO 52.5	0.8963E-01	82.5-142.5	0.5428E-02	0	0- 60	0.1350E 00	90-150	0.1350E 00
15-30.00	0.1076E 01	-7.5 TO 52.5	0.6709E-01	82.5-142.5	0.3372E-03	15	0- 60	0.2949E 00	90-150	0.3828E-02
30-45.00	0.1711E 01	-7.5 TO 52.5	0.2901E-01	82.5-142.5	0.1229E-04	30	0- 60	0.1537E 00	90-150	0.7776E-04
45-60.00	0.2230E 01	-7.5 TO 52.5	0.8238E-02	82.5-142.5	0.	45	0- 60	0.5207E-01	90-150	0.
60-75.00	0.2557E 01	-7.5 TO 52.5	0.1235E-02	82.5-142.5	0.	60	0- 60	0.1060E-01	90-150	0.
75-87.13	0.2248E 01	-7.5 TO 52.5	0.2215E-04	82.5-142.5	0.	75	0- 60	0.4215E-03	90-150	0.
0-15.00	0.4566E 00	-7.5 TO 67.5	0.7622E-01	82.5-157.5	0.4921E-02	0	0- 75	0.1687E 00	90-165	0.1687E 00
15-30.00	0.1345E 01	-7.5 TO 67.5	0.5515E-01	82.5-157.5	0.2794E-03	15	0- 75	0.3033E 00	90-165	0.4148E-02
30-45.00	0.2139E 01	-7.5 TO 67.5	0.2374E-01	82.5-157.5	0.9829E-05	30	0- 75	0.1558E 00	90-165	0.7776E-04
45-60.00	0.2788E 01	-7.5 TO 67.5	0.6708E-02	82.5-157.5	0.	45	0- 75	0.5256E-01	90-165	0.
60-75.00	0.3246E 01	-7.5 TO 67.5	0.9920E-03	82.5-157.5	0.	60	0- 75	0.1061E-01	90-165	0.
75-87.13	0.2811E 01	-7.5 TO 67.5	0.1772E-04	82.5-157.5	0.	75	0- 75	0.4215E-03	90-165	0.
0-15.00	0.5503E 00	-7.5 TO 82.5	0.6573E-01	82.5-172.5	0.4540E-02	0	0- 90	0.2025E 00	90-180	0.2025E 00
15-30.00	0.1614E 01	-7.5 TO 82.5	0.4637E-01	82.5-172.5	0.2389E-03	15	0- 90	0.3071E 00	90-180	0.4433E-02
30-45.00	0.2567E 01	-7.5 TO 82.5	0.1987E-01	82.5-172.5	0.8191E-05	30	0- 90	0.1562E 00	90-180	0.7776E-04
45-60.00	0.3345E 01	-7.5 TO 82.5	0.5599E-02	82.5-172.5	0.	45	0- 90	0.5258E-01	90-180	0.
60-75.00	0.3895E 01	-7.5 TO 82.5	0.8267E-03	82.5-172.5	0.	60	0- 90	0.1061E-01	90-180	0.
75-87.13	0.3373E 01	-7.5 TO 82.5	0.1477E-04	82.5-172.5	0.	75	0- 90	0.4215E-03	90-180	0.
0-15.00	0.6421E 00	-7.5 TO 97.5	0.5754E-01	82.5-187.5	0.4257E-02	0	0-105	0.2362E 00	90-195	0.2362E 00
15-30.00	0.1882E 01	-7.5 TO 97.5	0.3987E-01	82.5-187.5	0.2096E-03	15	0-105	0.3090E 00	90-195	0.4717E-02
30-45.00	0.2994E 01	-7.5 TO 97.5	0.1704E-01	82.5-187.5	0.7021E-05	30	0-105	0.1563E 00	90-195	0.7776E-04
45-60.00	0.3903E 01	-7.5 TO 97.5	0.4799E-02	82.5-187.5	0.	45	0-105	0.5258E-01	90-195	0.
60-75.00	0.4545E 01	-7.5 TO 97.5	0.7086E-03	82.5-187.5	0.	60	0-105	0.1061E-01	90-195	0.
75-87.13	0.3935E 01	-7.5 TO 97.5	0.1266E-04	82.5-187.5	0.	75	0-105	0.4215E-03	90-195	0.

r_2/r_1 = 0.90 d/r_1 = 2.000 $\cosh \mu_1$ = 1.0475 $\cosh \mu_2$ = 1.0583 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 24.75

0-15.00	0.9172E-01	-7.5 TO 7.5	0.1345E 00	82.5- 97.5	0.8371E-02	0	0- 15	0.3375E-01	90-105	0.3375E-01
15-30.00	0.2689E 00	-7.5 TO 7.5	0.1126E 00	82.5- 97.5	0.8399E-03	15	0- 15	0.1421E 00	90-105	0.1838E-02
30-45.00	0.4278E 00	-7.5 TO 7.5	0.5000E-01	82.5- 97.5	0.4328E-04	30	0- 15	0.7646E-01	90-105	0.6975E-04
45-60.00	0.5575E 00	-7.5 TO 7.5	0.1640E-01	82.5- 97.5	0.	45	0- 15	0.2829E-01	90-105	0.
60-75.00	0.6492E 00	-7.5 TO 7.5	0.3528E-02	82.5- 97.5	0.	60	0- 15	0.7533E-02	90-105	0.
75-87.13	0.5621E 00	-7.5 TO 7.5	0.2458E-03	82.5- 97.5	0.	75	0- 15	0.8721E-03	90-105	0.
0-15.00	0.1834E 00	-7.5 TO 22.5	0.1234E 00	82.5-112.5	0.7046E-02	0	0- 30	0.6750E-01	90-120	0.6750E-01
15-30.00	0.5378E 00	-7.5 TO 22.5	0.1006E 00	82.5-112.5	0.5688E-03	15	0- 30	0.2320E 00	90-120	0.2823E-02
30-45.00	0.8556E 00	-7.5 TO 22.5	0.4527E-01	82.5-112.5	0.2455E-04	30	0- 30	0.1249E 00	90-120	0.7776E-04
45-60.00	0.1115E 01	-7.5 TO 22.5	0.1500E-01	82.5-112.5	0.	45	0- 30	0.4737E-01	90-120	0.
60-75.00	0.1298E 01	-7.5 TO 22.5	0.3198E-02	82.5-112.5	0.	60	0- 30	0.1262E-01	90-120	0.
75-87.13	0.1124E 01	-7.5 TO 22.5	0.2083E-03	82.5-112.5	0.	75	0- 30	0.1340E-02	90-120	0.
0-15.00	0.2752E 00	-7.5 TO 37.5	0.1061E 00	82.5-127.5	0.6110E-02	0	0- 45	0.1012E 00	90-135	0.1012E 00
15-30.00	0.8068E 00	-7.5 TO 37.5	0.8285E-01	82.5-127.5	0.4240E-03	15	0- 45	0.2757E 00	90-135	0.3418E-02
30-45.00	0.1283E 01	-7.5 TO 37.5	0.3766E-01	82.5-127.5	0.1638E-04	30	0- 45	0.1469E 00	90-135	0.7776E-04
45-60.00	0.1673E 01	-7.5 TO 37.5	0.1260E-01	82.5-127.5	0.	45	0- 45	0.5631E-01	90-135	0.
60-75.00	0.1948E 01	-7.5 TO 37.5	0.2631E-02	82.5-127.5	0.	60	0- 45	0.1485E-01	90-135	0.
75-87.13	0.1686E 01	-7.5 TO 37.5	0.1556E-03	82.5-127.5	0.	75	0- 45	0.1434E-02	90-135	0.
0-15.00	0.3669E 00	-7.5 TO 52.5	0.8963E-01	82.5-142.5	0.5428E-02	0	0- 60	0.1350E 00	90-150	0.1350E 00
15-30.00	0.1076E 01	-7.5 TO 52.5	0.6714E-01	82.5-142.5	0.3372E-03	15	0- 60	0.2949E 00	90-150	0.3828E-02
30-45.00	0.1711E 01	-7.5 TO 52.5	0.3052E-01	82.5-142.5	0.1229E-04	30	0- 60	0.1547E 00	90-150	0.7776E-04
45-60.00	0.2230E 01	-7.5 TO 52.5	0.1020E-01	82.5-142.5	0.	45	0- 60	0.5914E-01	90-150	0.
60-75.00	0.2557E 01	-7.5 TO 52.5	0.2083E-02	82.5-142.5	0.	60	0- 60	0.1537E-01	90-150	0.
75-87.13	0.2248E 01	-7.5 TO 52.5	0.1175E-03	82.5-142.5	0.	75	0- 60	0.1434E-02	90-150	0.
0-15.00	0.4566E 00	-7.5 TO 67.5	0.7622E-01	82.5-157.5	0.4921E-02	0	0- 75	0.1687E 00	90-165	0.1687E 00
15-30.00	0.1345E 01	-7.5 TO 67.5	0.5520E-01	82.5-157.5	0.2794E-03	15	0- 75	0.3033E 00	90-165	0.4148E-02
30-45.00	0.2139E 01	-7.5 TO 67.5	0.2495E-01	82.5-157.5	0.9829E-05	30	0- 75	0.1569E 00	90-165	0.7776E-04
45-60.00	0.2788E 01	-7.5 TO 67.5	0.8294E-02	82.5-157.5	0.	45	0- 75	0.5964E-01	90-165	0.
60-75.00	0.3246E 01	-7.5 TO 67.5	0.1676E-02	82.5-157.5	0.	60	0- 75	0.1540E-01	90-165	0.
75-87.13	0.2811E 01	-7.5 TO 67.5	0.9401E-04	82.5-157.5	0.	75	0- 75	0.1434E-02	90-165	0.
0-15.00	0.5503E 00	-7.5 TO 82.5	0.6573E-01	82.5-172.5	0.4540E-02	0	0- 90	0.2025E 00	90-180	0.2025E 00
15-30.00	0.1614E 01	-7.5 TO 82.5	0.4641E-01	82.5-172.5	0.2389E-03	15	0- 90	0.3071E 00	90-180	0.4433E-02
30-45.00	0.2567E 01	-7.5 TO 82.5	0.2088E-01	82.5-172.5	0.8191E-05	30	0- 90	0.1573E 00	90-180	0.7776E-04
45-60.00	0.3345E 01	-7.5 TO 82.5	0.6921E-02	82.5-172.5	0.	45	0- 90	0.5966E-01	90-180	0.
60-75.00	0.3895E 01	-7.5 TO 82.5	0.1396E-02	82.5-172.5	0.	60	0- 90	0.1540E-01	90-180	0.
75-87.13	0.3373E 01	-7.5 TO 82.5	0.7834E-04	82.5-172.5	0.	75	0- 90	0.1434E-02	90-180	0.
0-15.00	0.6421E 00	-7.5 TO 97.5	0.5754E-01	82.5-187.5	0.4257E-02	0	0-105	0.2362E 00	90-195	0.2362E 00
15-30.00	0.1882E 01	-7.5 TO 97.5	0.3990E-01	82.5-187.5	0.2096E-03	15	0-105	0.3090E 00	90-195	0.4717E-02
30-45.00	0.2994E 01	-7.5 TO 97.5	0.1790E-01	82.5-187.5	0.7021E-05	30	0-105	0.1574E 00	90-195	0.7776E-04
45-60.00	0.3903E 01	-7.5 TO 97.5	0.5932E-02	82.5-187.5	0.	45	0-105	0.5966E-01	90-195	0.
60-75.00	0.4545E 01	-7.5 TO 97.5	0.1197E-02	82.5-187.5	0.	60	0-105	0.1540E-01	90-195	0.
75-87.13	0.3935E 01	-7.5 TO 97.5	0.6715E-04	82.5-187.5	0.	75	0-105	0.1434E-02	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 2.000 $\cosh \mu_1$ = 1.0475 $\cosh \mu_2$ = 1.0583 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 19.11

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.9172E-01	-7.5 TO 7.5	0.1345E 00	82.5- 97.5	0.8371E-02	0	0- 15	0.3375E-01	90-105	0.3375E-01
15-30.00	0.2689E 00	-7.5 TO 7.5	0.1126E 00	82.5- 97.5	0.8399E-03	15	0- 15	0.1421E 00	90-105	0.1838E-02
30-45.00	0.4278E 00	-7.5 TO 7.5	0.5005E-01	82.5- 97.5	0.4328E-04	30	0- 15	0.7646E-01	90-105	0.6975E-04
45-60.00	0.5575E 00	-7.5 TO 7.5	0.1687E-01	82.5- 97.5	0.	45	0- 15	0.2850E-01	90-105	0.
60-75.00	0.6492E 00	-7.5 TO 7.5	0.3941E-02	82.5- 97.5	0.	60	0- 15	0.8056E-02	90-105	0.
75-87.13	0.5621E 00	-7.5 TO 7.5	0.3519E-03	82.5- 97.5	0.	75	0- 15	0.1106E-02	90-105	0.
0-15.00	0.1834E 00	-7.5 TO 22.5	0.1234E 00	82.5-112.5	0.7046E-02	0	0- 30	0.6750E-01	90-120	0.6750E-01
15-30.00	0.5378E 00	-7.5 TO 22.5	0.1006E 00	82.5-112.5	0.5688E-03	15	0- 30	0.2320E 00	90-120	0.2823E-02
30-45.00	0.8556E 00	-7.5 TO 22.5	0.4530E-01	82.5-112.5	0.2455E-04	30	0- 30	0.1249E 00	90-120	0.7776E-04
45-60.00	0.1115E 01	-7.5 TO 22.5	0.1540E-01	82.5-112.5	0.	45	0- 30	0.4766E-01	90-120	0.
60-75.00	0.1298E 01	-7.5 TO 22.5	0.3567E-02	82.5-112.5	0.	60	0- 30	0.1345E-01	90-120	0.
75-87.13	0.1124E 01	-7.5 TO 22.5	0.3002E-03	82.5-112.5	0.	75	0- 30	0.1711E-02	90-120	0.
0-15.00	0.2752E 00	-7.5 TO 37.5	0.1061E 00	82.5-127.5	0.6110E-02	0	0- 45	0.1012E 00	90-135	0.1012E 00
15-30.00	0.8068E 00	-7.5 TO 37.5	0.8285E-01	82.5-127.5	0.4240E-03	15	0- 45	0.2757E 00	90-135	0.3818E-02
30-45.00	0.1283E 01	-7.5 TO 37.5	0.3769E-01	82.5-127.5	0.1638E-04	30	0- 45	0.1469E 00	90-135	0.7776E-04
45-60.00	0.1673E 01	-7.5 TO 37.5	0.1291E-01	82.5-127.5	0.	45	0- 45	0.5659E-01	90-135	0.
60-75.00	0.1948E 01	-7.5 TO 37.5	0.2927E-02	82.5-127.5	0.	60	0- 45	0.1576E-01	90-135	0.
75-87.13	0.1686E 01	-7.5 TO 37.5	0.2266E-03	82.5-127.5	0.	75	0- 45	0.1842E-02	90-135	0.
0-15.00	0.3669E 00	-7.5 TO 52.5	0.8963E-01	82.5-142.5	0.5428E-02	0	0- 60	0.1350E 00	90-150	0.1350E 00
15-30.00	0.1076E 01	-7.5 TO 52.5	0.6714E-01	82.5-142.5	0.3372E-03	15	0- 60	0.2949E 00	90-150	0.3828E-02
30-45.00	0.1711E 01	-7.5 TO 52.5	0.3054E-01	82.5-142.5	0.1229E-04	30	0- 60	0.1547E 00	90-150	0.7776E-04
45-60.00	0.2230E 01	-7.5 TO 52.5	0.1043E-01	82.5-142.5	0.	45	0- 60	0.5942E-01	90-150	0.
60-75.00	0.2597E 01	-7.5 TO 52.5	0.2311E-02	82.5-142.5	0.	60	0- 60	0.1628E-01	90-150	0.
75-87.13	0.2248E 01	-7.5 TO 52.5	0.1708E-03	82.5-142.5	0.	75	0- 60	0.1843E-02	90-150	0.
0-15.00	0.4586E 00	-7.5 TO 67.5	0.7622E-01	82.5-157.5	0.4921E-02	0	0- 75	0.1687E 00	90-165	0.1687E 00
15-30.00	0.1345E 01	-7.5 TO 67.5	0.5520E-01	82.5-157.5	0.2794E-03	15	0- 75	0.3033E 00	90-165	0.4148E-02
30-45.00	0.2139E 01	-7.5 TO 67.5	0.2497E-01	82.5-157.5	0.9829E-05	30	0- 75	0.1569E 00	90-165	0.7776E-04
45-60.00	0.2788E 01	-7.5 TO 67.5	0.8482E-02	82.5-157.5	0.	45	0- 75	0.5992E-01	90-165	0.
60-75.00	0.3246E 01	-7.5 TO 67.5	0.1859E-02	82.5-157.5	0.	60	0- 75	0.1630E-01	90-165	0.
75-87.13	0.2811E 01	-7.5 TO 67.5	0.1366E-03	82.5-157.5	0.	75	0- 75	0.1843E-02	90-165	0.
0-15.00	0.5503E 00	-7.5 TO 82.5	0.6573E-01	82.5-172.5	0.4540E-02	0	0- 90	0.2025E 00	90-180	0.2025E 00
15-30.00	0.1614E 01	-7.5 TO 82.5	0.4641E-01	82.5-172.5	0.2389E-03	15	0- 90	0.3071E 00	90-180	0.4433E-02
30-45.00	0.2567E 01	-7.5 TO 82.5	0.2089E-01	82.5-172.5	0.8191E-05	30	0- 90	0.1573E 00	90-180	0.7776E-04
45-60.00	0.3345E 01	-7.5 TO 82.5	0.7078E-02	82.5-172.5	0.	45	0- 90	0.5994E-01	90-180	0.
60-75.00	0.3895E 01	-7.5 TO 82.5	0.1549E-02	82.5-172.5	0.	60	0- 90	0.1630E-01	90-180	0.
75-87.13	0.3373E 01	-7.5 TO 82.5	0.1139E-03	82.5-172.5	0.	75	0- 90	0.1843E-02	90-180	0.
0-15.00	0.6421E 00	-7.5 TO 97.5	0.5754E-01	82.5-187.5	0.4257E-02	0	0-105	0.2362E 00	90-195	0.2362E 00
15-30.00	0.1882E 01	-7.5 TO 97.5	0.3990E-01	82.5-187.5	0.2096E-03	15	0-105	0.3090E 00	90-195	0.4717E-02
30-45.00	0.2994E 01	-7.5 TO 97.5	0.1791E-01	82.5-187.5	0.7021E-05	30	0-105	0.1574E 00	90-195	0.7776E-04
45-60.00	0.3903E 01	-7.5 TO 97.5	0.6067E-02	82.5-187.5	0.	45	0-105	0.5994E-01	90-195	0.
60-75.00	0.4545E 01	-7.5 TO 97.5	0.1328E-02	82.5-187.5	0.	60	0-105	0.1630E-01	90-195	0.
75-87.13	0.3935E 01	-7.5 TO 97.5	0.9760E-04	82.5-187.5	0.	75	0-105	0.1843E-02	90-195	0.

r_2/r_1 = 0.90 d/r_1 = 2.000 $\cosh \mu_1$ = 1.0475 $\cosh \mu_2$ = 1.0583 $\alpha_{2,max}$ = 92.87 $\theta_{2,min}$ = 18.19

0-15.00	0.5172E-01	-7.5 TO 7.5	0.1345E 00	82.5- 97.5	0.8371E-02	0	0- 15	0.3375E-01	90-105	0.3375E-01
15-30.00	0.2689E 00	-7.5 TO 7.5	0.1126E 00	82.5- 97.5	0.8399E-03	15	0- 15	0.1421E 00	90-105	0.1838E-02
30-45.00	0.4278E 00	-7.5 TO 7.5	0.5005E-01	82.5- 97.5	0.4328E-04	30	0- 15	0.7646E-01	90-105	0.6975E-04
45-60.00	0.5575E 00	-7.5 TO 7.5	0.1687E-01	82.5- 97.5	0.	45	0- 15	0.2850E-01	90-105	0.
60-75.00	0.6492E 00	-7.5 TO 7.5	0.3943E-02	82.5- 97.5	0.	60	0- 15	0.8056E-02	90-105	0.
75-87.13	0.5621E 00	-7.5 TO 7.5	0.3537E-03	82.5- 97.5	0.	75	0- 15	0.1108E-02	90-105	0.
0-15.00	0.1834E 00	-7.5 TO 22.5	0.1234E 00	82.5-112.5	0.7046E-02	0	0- 30	0.6750E-01	90-120	0.6750E-01
15-30.00	0.5378E 00	-7.5 TO 22.5	0.1006E 00	82.5-112.5	0.5688E-03	15	0- 30	0.2320E 00	90-120	0.2823E-02
30-45.00	0.8556E 00	-7.5 TO 22.5	0.4530E-01	82.5-112.5	0.2455E-04	30	0- 30	0.1249E 00	90-120	0.7776E-04
45-60.00	0.1115E 01	-7.5 TO 22.5	0.1540E-01	82.5-112.5	0.	45	0- 30	0.4766E-01	90-120	0.
60-75.00	0.1298E 01	-7.5 TO 22.5	0.3568E-02	82.5-112.5	0.	60	0- 30	0.1345E-01	90-120	0.
75-87.13	0.1124E 01	-7.5 TO 22.5	0.3015E-03	82.5-112.5	0.	75	0- 30	0.1714E-02	90-120	0.
0-15.00	0.2752E 00	-7.5 TO 37.5	0.1061E 00	82.5-127.5	0.6110E-02	0	0- 45	0.1012E 00	90-135	0.1012E 00
15-30.00	0.8068E 00	-7.5 TO 37.5	0.8285E-01	82.5-127.5	0.4240E-03	15	0- 45	0.2757E 00	90-135	0.3818E-02
30-45.00	0.1283E 01	-7.5 TO 37.5	0.3769E-01	82.5-127.5	0.1638E-04	30	0- 45	0.1469E 00	90-135	0.7776E-04
45-60.00	0.1673E 01	-7.5 TO 37.5	0.1291E-01	82.5-127.5	0.	45	0- 45	0.5659E-01	90-135	0.
60-75.00	0.1948E 01	-7.5 TO 37.5	0.2927E-02	82.5-127.5	0.	60	0- 45	0.1576E-01	90-135	0.
75-87.13	0.1686E 01	-7.5 TO 37.5	0.2266E-03	82.5-127.5	0.	75	0- 45	0.1844E-02	90-135	0.
0-15.00	0.3669E 00	-7.5 TO 52.5	0.8963E-01	82.5-142.5	0.5428E-02	0	0- 60	0.1350E 00	90-150	0.1350E 00
15-30.00	0.1076E 01	-7.5 TO 52.5	0.6714E-01	82.5-142.5	0.3372E-03	15	0- 60	0.2949E 00	90-150	0.3828E-02
30-45.00	0.1711E 01	-7.5 TO 52.5	0.3054E-01	82.5-142.5	0.1229E-04	30	0- 60	0.1547E 00	90-150	0.7776E-04
45-60.00	0.2230E 01	-7.5 TO 52.5	0.1043E-01	82.5-142.5	0.	45	0- 60	0.5942E-01	90-150	0.
60-75.00	0.2597E 01	-7.5 TO 52.5	0.2311E-02	82.5-142.5	0.	60	0- 60	0.1628E-01	90-150	0.
75-87.13	0.2248E 01	-7.5 TO 52.5	0.1714E-03	82.5-142.5	0.	75	0- 60	0.1846E-02	90-150	0.
0-15.00	0.4586E 00	-7.5 TO 67.5	0.7622E-01	82.5-157.5	0.4921E-02	0	0- 75	0.1687E 00	90-165	0.1687E 00
15-30.00	0.1345E 01	-7.5 TO 67.5	0.5520E-01	82.5-157.5	0.2794E-03	15	0- 75	0.3033E 00	90-165	0.4148E-02
30-45.00	0.2139E 01	-7.5 TO 67.5	0.2497E-01	82.5-157.5	0.9829E-05	30	0- 75	0.1569E 00	90-165	0.7776E-04
45-60.00	0.2788E 01	-7.5 TO 67.5	0.8482E-02	82.5-157.5	0.	45	0- 75	0.5992E-01	90-165	0.
60-75.00	0.3246E 01	-7.5 TO 67.5	0.1859E-02	82.5-157.5	0.	60	0- 75	0.1630E-01	90-165	0.
75-87.13	0.2811E 01	-7.5 TO 67.5	0.1372E-03	82.5-157.5	0.	75	0- 75	0.1846E-02	90-165	0.
0-15.00	0.5503E 00	-7.5 TO 82.5	0.6573E-01	82.5-172.5	0.4540E-02	0	0- 90	0.2025E 00	90-180	0.2025E 00
15-30.00	0.1614E 01	-7.5 TO 82.5	0.4641E-01	82.5-172.5	0.2389E-03	15	0- 90	0.3071E 00	90-180	0.4433E-02
30-45.00	0.2567E 01	-7.5 TO 82.5	0.2089E-01	82.5-172.5	0.8191E-05	30	0- 90	0.1573E 00	90-180	0.7776E-04
45-60.00	0.3345E 01	-7.5 TO 82.5	0.7078E-02	82.5-172.5	0.	45	0- 90	0.5994E-01	90-180	0.
60-75.00	0.3895E 01	-7.5 TO 82.5	0.1549E-02	82.5-172.5	0.	60	0- 90	0.1630E-01	90-180	0.
75-87.13	0.3373E 01	-7.5 TO 82.5	0.1143E-03	82.5-172.5	0.	75	0- 90	0.1846E-02	90-180	0.
0-15.00	0.6421E 00	-7.5 TO 97.5	0.5754E-01	82.5-187.5	0.4257E-02	0	0-105	0.2362E 00	90-195	0.2362E 00
15-30.00	0.1882E 01	-7.5 TO 97.5	0.3990E-01	82.5-187.5	0.2096E-03	15	0-105	0.3090E 00	90-195	0.4717E-02
30-45.00	0.2994E 01	-7.5 TO 97.5	0.1791E-01	82.5-187.5	0.7021E-05	30	0-105	0.1574E 00	90-195	0.7776E-04
45-60.00	0.3903E 01	-7.5 TO 97.5	0.6067E-02	82.5-187.5	0.	45	0-105	0.5994E-01	90-195	0.
60-75.00	0.4545E 01	-7.5 TO 97.5	0.1328E-02	82.5-187.5	0.	60	0-105	0.1630E-01	90-195	0.
75-87.13	0.3935E 01	-7.5 TO 97.5	0.9797E-04	82.5-187.5	0.	75	0-105	0.1846E-02	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

$r_2/r_1 = 0.90$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.5317$ $\cosh \mu_2 = 1.6315$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 149.91$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.6627E-02	-7.5 TO 7.5	0.1703E-02	82.5- 97.5	0.1498E-02	0	0- 15	0.1696E-02	90-105	0.1696E-02
15-30.00	0.1943E-01	-7.5 TO 7.5	0.1253E-02	82.5- 97.5	0.9584E-03	15	0- 15	0.1597E-02	90-105	0.1288E-02
30-45.00	0.3091E-01	-7.5 TO 7.5	0.6342E-03	82.5- 97.5	0.4291E-03	30	0- 15	0.9474E-03	90-105	0.6510E-03
45-60.00	0.4028E-01	-7.5 TO 7.5	0.2134E-03	82.5- 97.5	0.1150E-03	45	0- 15	0.3920E-03	90-105	0.2303E-03
60-75.00	0.4691E-01	-7.5 TO 7.5	0.1554E-04	82.5- 97.5	0.8516E-06	60	0- 15	0.7810E-04	90-105	0.1223E-04
75-88.09	0.4386E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1325E-01	-7.5 TO 22.5	0.1699E-02	82.5-112.5	0.1474E-02	0	0- 30	0.3393E-02	90-120	0.3393E-02
15-30.00	0.3886E-01	-7.5 TO 22.5	0.1247E-02	82.5-112.5	0.9273E-03	15	0- 30	0.3173E-02	90-120	0.2517E-02
30-45.00	0.6182E-01	-7.5 TO 22.5	0.6300E-03	82.5-112.5	0.4087E-03	30	0- 30	0.1873E-02	90-120	0.1251E-02
45-60.00	0.8057E-01	-7.5 TO 22.5	0.2113E-03	82.5-112.5	0.1056E-03	45	0- 30	0.7718E-03	90-120	0.4342E-03
60-75.00	0.9382E-01	-7.5 TO 22.5	0.1509E-04	82.5-112.5	0.5984E-06	60	0- 30	0.1511E-03	90-120	0.1594E-04
75-88.09	0.8771E-01	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.1988E-01	-7.5 TO 37.5	0.1691E-02	82.5-127.5	0.1452E-02	0	0- 45	0.5089E-02	90-135	0.5089E-02
15-30.00	0.5829E-01	-7.5 TO 37.5	0.1234E-02	82.5-127.5	0.8990E-03	15	0- 45	0.4709E-02	90-135	0.3695E-02
30-45.00	0.9273E-01	-7.5 TO 37.5	0.6205E-03	82.5-127.5	0.3905E-03	30	0- 45	0.2758E-02	90-135	0.1809E-02
45-60.00	0.1208E 00	-7.5 TO 37.5	0.2067E-03	82.5-127.5	0.9742E-04	45	0- 45	0.1129E-02	90-135	0.6166E-03
60-75.00	0.1407E 00	-7.5 TO 37.5	0.1414E-04	82.5-127.5	0.4319E-06	60	0- 45	0.2146E-03	90-135	0.1692E-04
75-88.09	0.1316E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.2651E-01	-7.5 TO 52.5	0.1678E-02	82.5-142.5	0.1433E-02	0	0- 60	0.6786E-02	90-150	0.6786E-02
15-30.00	0.7772E-01	-7.5 TO 52.5	0.1214E-02	82.5-142.5	0.8741E-03	15	0- 60	0.6191E-02	90-150	0.4835E-02
30-45.00	0.1236E 00	-7.5 TO 52.5	0.6066E-03	82.5-142.5	0.3746E-03	30	0- 60	0.3590E-02	90-150	0.2334E-02
45-60.00	0.1611E 00	-7.5 TO 52.5	0.1999E-03	82.5-142.5	0.9041E-04	45	0- 60	0.1457E-02	90-150	0.7830E-03
60-75.00	0.1876E 00	-7.5 TO 52.5	0.1288E-04	82.5-142.5	0.3324E-06	60	0- 60	0.2657E-03	90-150	0.1746E-04
75-88.09	0.1754E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.3314E-01	-7.5 TO 67.5	0.1661E-02	82.5-157.5	0.1415E-02	0	0- 75	0.8482E-02	90-165	0.8482E-02
15-30.00	0.9715E-01	-7.5 TO 67.5	0.1190E-02	82.5-157.5	0.8529E-03	15	0- 75	0.7610E-02	90-165	0.5947E-02
30-45.00	0.1545E 00	-7.5 TO 67.5	0.5895E-03	82.5-157.5	0.3612E-03	30	0- 75	0.4361E-02	90-165	0.2839E-02
45-60.00	0.2014E 00	-7.5 TO 67.5	0.1916E-03	82.5-157.5	0.8461E-04	45	0- 75	0.1751E-02	90-165	0.9389E-03
60-75.00	0.2346E 00	-7.5 TO 67.5	0.1144E-04	82.5-157.5	0.2702E-06	60	0- 75	0.3034E-03	90-165	0.1785E-04
75-88.09	0.2193E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.3976E-01	-7.5 TO 82.5	0.1643E-02	82.5-172.5	0.1401E-02	0	0- 90	0.1018E-01	90-180	0.1018E-01
15-30.00	0.1166E 00	-7.5 TO 82.5	0.1163E-02	82.5-172.5	0.8356E-03	15	0- 90	0.8963E-02	90-180	0.7047E-02
30-45.00	0.1855E 00	-7.5 TO 82.5	0.5703E-03	82.5-172.5	0.3503E-03	30	0- 90	0.5071E-02	90-180	0.3332E-02
45-60.00	0.2417E 00	-7.5 TO 82.5	0.1824E-03	82.5-172.5	0.8000E-04	45	0- 90	0.2012E-02	90-180	0.1089E-02
60-75.00	0.2815E 00	-7.5 TO 82.5	0.9900E-05	82.5-172.5	0.2280E-06	60	0- 90	0.3276E-03	90-180	0.1819E-04
75-88.09	0.2631E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.4639E-01	-7.5 TO 97.5	0.1622E-02	82.5-187.5	0.1391E-02	0	0-105	0.1188E-01	90-195	0.1188E-01
15-30.00	0.1360E 00	-7.5 TO 97.5	0.1134E-02	82.5-187.5	0.8223E-03	15	0-105	0.1025E-01	90-195	0.8146E-02
30-45.00	0.2164E 00	-7.5 TO 97.5	0.5502E-03	82.5-187.5	0.3420E-03	30	0-105	0.5722E-02	90-195	0.3826E-02
45-60.00	0.2820E 00	-7.5 TO 97.5	0.1727E-03	82.5-187.5	0.7650E-04	45	0-105	0.2242E-02	90-195	0.1240E-02
60-75.00	0.3284E 00	-7.5 TO 97.5	0.8607E-05	82.5-187.5	0.1977E-06	60	0-105	0.3399E-03	90-195	0.1853E-04
75-88.09	0.3070E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

$r_2/r_1 = 0.90$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.5317$ $\cosh \mu_2 = 1.6315$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 122.64$

0-15.00	0.6627E-02	-7.5 TO 7.5	0.5574E-02	82.5- 97.5	0.4446E-02	0	0- 15	0.4986E-02	90-105	0.4986E-02
15-30.00	0.1943E-01	-7.5 TO 7.5	0.4747E-02	82.5- 97.5	0.2935E-02	15	0- 15	0.5533E-02	90-105	0.3790E-02
30-45.00	0.3091E-01	-7.5 TO 7.5	0.2795E-02	82.5- 97.5	0.1377E-02	30	0- 15	0.3880E-02	90-105	0.1972E-02
45-60.00	0.4028E-01	-7.5 TO 7.5	0.1142E-02	82.5- 97.5	0.3952E-03	45	0- 15	0.1881E-02	90-105	0.7235E-03
60-75.00	0.4691E-01	-7.5 TO 7.5	0.1887E-03	82.5- 97.5	0.4340E-05	60	0- 15	0.5573E-03	90-105	0.4319E-04
75-88.09	0.4386E-01	-7.5 TO 7.5	0.6452E-08	82.5- 97.5	0.	75	0- 15	0.8367E-07	90-105	0.
0-15.00	0.1325E-01	-7.5 TO 22.5	0.5552E-02	82.5-112.5	0.4326E-02	0	0- 30	0.9972E-02	90-120	0.9972E-02
15-30.00	0.3886E-01	-7.5 TO 22.5	0.4706E-02	82.5-112.5	0.2771E-02	15	0- 30	0.1094E-01	90-120	0.7283E-02
30-45.00	0.6182E-01	-7.5 TO 22.5	0.2761E-02	82.5-112.5	0.1263E-02	30	0- 30	0.7600E-02	90-120	0.3676E-02
45-60.00	0.8057E-01	-7.5 TO 22.5	0.1123E-02	82.5-112.5	0.3407E-03	45	0- 30	0.3657E-02	90-120	0.1302E-02
60-75.00	0.9382E-01	-7.5 TO 22.5	0.1847E-03	82.5-112.5	0.2706E-05	60	0- 30	0.1066E-02	90-120	0.5659E-04
75-88.09	0.8771E-01	-7.5 TO 22.5	0.3708E-08	82.5-112.5	0.	75	0- 30	0.8367E-07	90-120	0.
0-15.00	0.1988E-01	-7.5 TO 37.5	0.5502E-02	82.5-127.5	0.4215E-02	0	0- 45	0.1496E-01	90-135	0.1496E-01
15-30.00	0.5829E-01	-7.5 TO 37.5	0.4618E-02	82.5-127.5	0.2626E-02	15	0- 45	0.1610E-01	90-135	0.1053E-01
30-45.00	0.9273E-01	-7.5 TO 37.5	0.2687E-02	82.5-127.5	0.1166E-02	30	0- 45	0.1103E-01	90-135	0.5172E-02
45-60.00	0.1208E 00	-7.5 TO 37.5	0.1083E-02	82.5-127.5	0.2962E-03	45	0- 45	0.5249E-02	90-135	0.1772E-02
60-75.00	0.1407E 00	-7.5 TO 37.5	0.1716E-03	82.5-127.5	0.1927E-05	60	0- 45	0.1489E-02	90-135	0.5756E-04
75-88.09	0.1316E 00	-7.5 TO 37.5	0.2472E-08	82.5-127.5	0.	75	0- 45	0.8367E-07	90-135	0.
0-15.00	0.2651E-01	-7.5 TO 52.5	0.5428E-02	82.5-142.5	0.4118E-02	0	0- 60	0.1994E-01	90-150	0.1994E-01
15-30.00	0.7772E-01	-7.5 TO 52.5	0.4490E-02	82.5-142.5	0.2503E-02	15	0- 60	0.2095E-01	90-150	0.1360E-01
30-45.00	0.1236E 00	-7.5 TO 52.5	0.2581E-02	82.5-142.5	0.1085E-02	30	0- 60	0.1409E-01	90-150	0.6519E-02
45-60.00	0.1611E 00	-7.5 TO 52.5	0.1025E-02	82.5-142.5	0.2608E-03	45	0- 60	0.6612E-02	90-150	0.2168E-02
60-75.00	0.1876E 00	-7.5 TO 52.5	0.1537E-03	82.5-142.5	0.1453E-05	60	0- 60	0.1808E-02	90-150	0.5810E-04
75-88.09	0.1754E 00	-7.5 TO 52.5	0.1854E-08	82.5-142.5	0.	75	0- 60	0.8367E-07	90-150	0.
0-15.00	0.3314E-01	-7.5 TO 67.5	0.5336E-02	82.5-157.5	0.4034E-02	0	0- 75	0.2493E-01	90-165	0.2493E-01
15-30.00	0.9715E-01	-7.5 TO 67.5	0.4335E-02	82.5-157.5	0.2399E-02	15	0- 75	0.2544E-01	90-165	0.1654E-01
30-45.00	0.1545E 00	-7.5 TO 67.5	0.2456E-02	82.5-157.5	0.1018E-02	30	0- 75	0.1676E-01	90-165	0.7769E-02
45-60.00	0.2014E 00	-7.5 TO 67.5	0.9583E-03	82.5-157.5	0.2334E-03	45	0- 75	0.7737E-02	90-165	0.2517E-02
60-75.00	0.2346E 00	-7.5 TO 67.5	0.1342E-03	82.5-157.5	0.1167E-05	60	0- 75	0.2021E-02	90-165	0.5850E-04
75-88.09	0.2193E 00	-7.5 TO 67.5	0.1483E-08	82.5-157.5	0.	75	0- 75	0.8367E-07	90-165	0.
0-15.00	0.3976E-01	-7.5 TO 82.5	0.5231E-02	82.5-172.5	0.3966E-02	0	0- 90	0.2991E-01	90-180	0.2991E-01
15-30.00	0.1166E 00	-7.5 TO 82.5	0.4164E-02	82.5-172.5	0.2317E-02	15	0- 90	0.2957E-01	90-180	0.1942E-01
30-45.00	0.1855E 00	-7.5 TO 82.5	0.2322E-02	82.5-172.5	0.9655E-03	30	0- 90	0.1906E-01	90-180	0.8973E-02
45-60.00	0.2417E 00	-7.5 TO 82.5	0.8872E-03	82.5-172.5	0.2124E-03	45	0- 90	0.8645E-02	90-180	0.2844E-02
60-75.00	0.2815E 00	-7.5 TO 82.5	0.1147E-03	82.5-172.5	0.9753E-06	60	0- 90	0.2140E-02	90-180	0.5884E-04
75-88.09	0.2631E 00	-7.5 TO 82.5	0.1236E-08	82.5-172.5	0.	75	0- 90	0.8367E-07	90-180	0.
0-15.00	0.4639E-01	-7.5 TO 97.5	0.5119E-02	82.5-187.5	0.3914E-02	0	0-105	0.3490E-01	90-195	0.3490E-01
15-30.00	0.1360E 00	-7.5 TO 97.5	0.3989E-02	82.5-187.5	0.2253E-02	15	0-105	0.3336E-01	90-195	0.2230E-01
30-45.00	0.2164E 00	-7.5 TO 97.5	0.2187E-02	82.5-187.5	0.9254E-03	30	0-105	0.2103E-01	90-195	0.1018E-01
45-60.00	0.2820E 00	-7.5 TO 97.5	0.8169E-03	82.5-187.5	0.1966E-03	45	0-105	0.9368E-02	90-195	0.3171E-02
60-75.00	0.3284E 00	-7.5 TO 97.5	0.9893E-04	82.5-187.5	0.8382E-06	60	0-105	0.2183E-02	90-195	0.5917E-04
75-88.09	0.3070E 00	-7.5 TO 97.5	0.1059E-08	82.5-187.5	0.	75	0-105	0.8367E-07	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 3.000 $\cosh \mu_1$ = 1.5317 $\cosh \mu_2$ = 1.6315 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 99.57

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.6627E-02	-7.5 TO 7.5	0.8955E-02	82.5- 97.5	0.6705E-02	0	0- 15	0.7452E-02	90-105	0.7452E-02
15-30.00	0.1943E-01	-7.5 TO 7.5	0.8504E-02	82.5- 97.5	0.4560E-02	15	0- 15	0.9243E-02	90-105	0.5698E-02
30-45.00	0.3091E-01	-7.5 TO 7.5	0.5679E-02	82.5- 97.5	0.2246E-02	30	0- 15	0.7395E-02	90-105	0.3060E-02
45-60.00	0.4028E-01	-7.5 TO 7.5	0.2684E-02	82.5- 97.5	0.6954E-03	45	0- 15	0.4095E-02	90-105	0.1175E-02
60-75.00	0.4691E-01	-7.5 TO 7.5	0.6916E-03	82.5- 97.5	0.1536E-04	60	0- 15	0.1506E-02	90-105	0.9027E-04
75-88.09	0.4386E-01	-7.5 TO 7.5	0.1852E-04	82.5- 97.5	0.	75	0- 15	0.1214E-03	90-105	0.
0-15.00	0.1325E-01	-7.5 TO 22.5	0.8910E-02	82.5-112.5	0.6474E-02	0	0- 30	0.1490E-01	90-120	0.1490E-01
15-30.00	0.3886E-01	-7.5 TO 22.5	0.8411E-02	82.5-112.5	0.4234E-02	15	0- 30	0.1821E-01	90-120	0.1083E-01
30-45.00	0.6182E-01	-7.5 TO 22.5	0.5589E-02	82.5-112.5	0.2007E-02	30	0- 30	0.1439E-01	90-120	0.5584E-02
45-60.00	0.8057E-01	-7.5 TO 22.5	0.2628E-02	82.5-112.5	0.5758E-03	45	0- 30	0.7899E-02	90-120	0.2047E-02
60-75.00	0.9382E-01	-7.5 TO 22.5	0.6672E-03	82.5-112.5	0.8875E-05	60	0- 30	0.2862E-02	90-120	0.1141E-03
75-88.09	0.8771E-01	-7.5 TO 22.5	0.1632E-04	82.5-112.5	0.	75	0- 30	0.2024E-03	90-120	0.
0-15.00	0.1588E-01	-7.5 TO 37.5	0.8807E-02	82.5-127.5	0.6265E-02	0	0- 45	0.2236E-01	90-135	0.2236E-01
15-30.00	0.5829E-01	-7.5 TO 37.5	0.8208E-02	82.5-127.5	0.3952E-02	15	0- 45	0.2668E-01	90-135	0.1550E-01
30-45.00	0.9273E-01	-7.5 TO 37.5	0.5395E-02	82.5-127.5	0.1809E-02	30	0- 45	0.2069E-01	90-135	0.7710E-02
45-60.00	0.1208E 00	-7.5 TO 37.5	0.2510E-02	82.5-127.5	0.4828E-03	45	0- 45	0.1120E-01	90-135	0.2707E-02
60-75.00	0.1407E 00	-7.5 TO 37.5	0.6158E-03	82.5-127.5	0.6136E-05	60	0- 45	0.3960E-02	90-135	0.1151E-03
75-88.09	0.1316E 00	-7.5 TO 37.5	0.1268E-04	82.5-127.5	0.	75	0- 45	0.2289E-03	90-135	0.
0-15.00	0.2651E-01	-7.5 TO 52.5	0.8658E-02	82.5-142.5	0.6081E-02	0	0- 60	0.2981E-01	90-150	0.2981E-01
15-30.00	0.7772E-01	-7.5 TO 52.5	0.7918E-02	82.5-142.5	0.3715E-02	15	0- 60	0.3449E-01	90-150	0.1983E-01
30-45.00	0.1236E 00	-7.5 TO 52.5	0.5125E-02	82.5-142.5	0.1648E-02	30	0- 60	0.2613E-01	90-150	0.9558E-02
45-60.00	0.1611E 00	-7.5 TO 52.5	0.2347E-02	82.5-142.5	0.4125E-03	45	0- 60	0.1389E-01	90-150	0.3230E-02
60-75.00	0.1876E 00	-7.5 TO 52.5	0.5480E-03	82.5-142.5	0.4610E-05	60	0- 60	0.4755E-02	90-150	0.1156E-03
75-88.09	0.1754E 00	-7.5 TO 52.5	0.9661E-05	82.5-142.5	0.	75	0- 60	0.2296E-03	90-150	0.
0-15.00	0.3314E-01	-7.5 TO 67.5	0.8472E-02	82.5-157.5	0.5926E-02	0	0- 75	0.3726E-01	90-165	0.3726E-01
15-30.00	0.9715E-01	-7.5 TO 67.5	0.7573E-02	82.5-157.5	0.3520E-02	15	0- 75	0.4157E-01	90-165	0.2394E-01
30-45.00	0.1545E 00	-7.5 TO 67.5	0.4813E-02	82.5-157.5	0.1519E-02	30	0- 75	0.3068E-01	90-165	0.1123E-01
45-60.00	0.2014E 00	-7.5 TO 67.5	0.2161E-02	82.5-157.5	0.3600E-03	45	0- 75	0.1600E-01	90-165	0.3671E-02
60-75.00	0.2346E 00	-7.5 TO 67.5	0.4758E-03	82.5-157.5	0.3693E-05	60	0- 75	0.5261E-02	90-165	0.1160E-03
75-88.09	0.2193E 00	-7.5 TO 67.5	0.7730E-05	82.5-157.5	0.	75	0- 75	0.2296E-03	90-165	0.
0-15.00	0.3976E-01	-7.5 TO 82.5	0.8262E-02	82.5-172.5	0.5799E-02	0	0- 90	0.4471E-01	90-180	0.4471E-01
15-30.00	0.1166E 00	-7.5 TO 82.5	0.7200E-02	82.5-172.5	0.3364E-02	15	0- 90	0.4793E-01	90-180	0.2794E-01
30-45.00	0.1855E 00	-7.5 TO 82.5	0.4486E-02	82.5-172.5	0.1418E-02	30	0- 90	0.3442E-01	90-180	0.1282E-01
45-60.00	0.2417E 00	-7.5 TO 82.5	0.1971E-02	82.5-172.5	0.3207E-03	45	0- 90	0.1758E-01	90-180	0.4075E-02
60-75.00	0.2815E 00	-7.5 TO 82.5	0.4058E-03	82.5-172.5	0.3080E-05	60	0- 90	0.5529E-02	90-180	0.1163E-03
75-88.09	0.2631E 00	-7.5 TO 82.5	0.6442E-05	82.5-172.5	0.	75	0- 90	0.2296E-03	90-180	0.
0-15.00	0.4639E-01	-7.5 TO 97.5	0.8039E-02	82.5-187.5	0.5702E-02	0	0-105	0.5217E-01	90-195	0.5217E-01
15-30.00	0.1360E 00	-7.5 TO 97.5	0.6823E-02	82.5-187.5	0.3246E-02	15	0-105	0.5363E-01	90-195	0.3193E-01
30-45.00	0.2164E 00	-7.5 TO 97.5	0.4166E-02	82.5-187.5	0.1342E-02	30	0-105	0.3764E-01	90-195	0.1442E-01
45-60.00	0.2820E 00	-7.5 TO 97.5	0.1789E-02	82.5-187.5	0.2915E-03	45	0-105	0.1875E-01	90-195	0.4478E-02
60-75.00	0.3284E 00	-7.5 TO 97.5	0.3500E-03	82.5-187.5	0.2642E-05	60	0-105	0.5619E-02	90-195	0.1167E-03
75-88.09	0.3070E 00	-7.5 TO 97.5	0.5522E-05	82.5-187.5	0.	75	0-105	0.2296E-03	90-195	0.

r_2/r_1 = 0.90 d/r_1 = 3.000 $\cosh \mu_1$ = 1.5317 $\cosh \mu_2$ = 1.6315 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 80.63

0-15.00	0.6627E-02	-7.5 TO 7.5	0.1063E-01	82.5- 97.5	0.7607E-02	0	0- 15	0.8409E-02	90-105	0.8409E-02
15-30.00	0.1943E-01	-7.5 TO 7.5	0.1087E-01	82.5- 97.5	0.5275E-02	15	0- 15	0.1126E-01	90-105	0.6440E-02
30-45.00	0.3091E-01	-7.5 TO 7.5	0.7937E-02	82.5- 97.5	0.2690E-02	30	0- 15	0.9861E-02	90-105	0.3527E-02
45-60.00	0.4028E-01	-7.5 TO 7.5	0.4148E-02	82.5- 97.5	0.8831E-03	45	0- 15	0.6014E-02	90-105	0.1402E-02
60-75.00	0.4691E-01	-7.5 TO 7.5	0.1313E-02	82.5- 97.5	0.3010E-04	60	0- 15	0.2519E-02	90-105	0.1301E-03
75-88.09	0.4386E-01	-7.5 TO 7.5	0.9998E-04	82.5- 97.5	0.	75	0- 15	0.3956E-03	90-105	0.
0-15.00	0.1325E-01	-7.5 TO 22.5	0.1057E-01	82.5-112.5	0.7303E-02	0	0- 30	0.1682E-01	90-120	0.1682E-01
15-30.00	0.3886E-01	-7.5 TO 22.5	0.1074E-01	82.5-112.5	0.4834E-02	15	0- 30	0.2214E-01	90-120	0.1213E-01
30-45.00	0.6182E-01	-7.5 TO 22.5	0.7793E-02	82.5-112.5	0.2355E-02	30	0- 30	0.1912E-01	90-120	0.6328E-02
45-60.00	0.8057E-01	-7.5 TO 22.5	0.4052E-02	82.5-112.5	0.7115E-03	45	0- 30	0.1154E-01	90-120	0.2383E-02
60-75.00	0.9382E-01	-7.5 TO 22.5	0.1266E-02	82.5-112.5	0.1709E-04	60	0- 30	0.4765E-02	90-120	0.1582E-03
75-88.09	0.8771E-01	-7.5 TO 22.5	0.9116E-04	82.5-112.5	0.	75	0- 30	0.6942E-03	90-120	0.
0-15.00	0.1588E-01	-7.5 TO 37.5	0.1043E-01	82.5-127.5	0.7029E-02	0	0- 45	0.2523E-01	90-135	0.2523E-01
15-30.00	0.5829E-01	-7.5 TO 37.5	0.1044E-01	82.5-127.5	0.4459E-02	15	0- 45	0.3233E-01	90-135	0.1723E-01
30-45.00	0.9273E-01	-7.5 TO 37.5	0.7484E-02	82.5-127.5	0.2085E-02	30	0- 45	0.2793E-01	90-135	0.8612E-02
45-60.00	0.1208E 00	-7.5 TO 37.5	0.3847E-02	82.5-127.5	0.5834E-03	45	0- 45	0.1623E-01	90-135	0.3091E-02
60-75.00	0.1407E 00	-7.5 TO 37.5	0.1168E-02	82.5-127.5	0.1164E-04	60	0- 45	0.6550E-02	90-135	0.1592E-03
75-88.09	0.1316E 00	-7.5 TO 37.5	0.7522E-04	82.5-127.5	0.	75	0- 45	0.8464E-03	90-135	0.
0-15.00	0.2651E-01	-7.5 TO 52.5	0.1023E-01	82.5-142.5	0.6790E-02	0	0- 60	0.3364E-01	90-150	0.3364E-01
15-30.00	0.7772E-01	-7.5 TO 52.5	0.1002E-01	82.5-142.5	0.4148E-02	15	0- 60	0.4161E-01	90-150	0.2190E-01
30-45.00	0.1236E 00	-7.5 TO 52.5	0.7060E-02	82.5-142.5	0.1872E-02	30	0- 60	0.3425E-01	90-150	0.1055E-01
45-60.00	0.1611E 00	-7.5 TO 52.5	0.3569E-02	82.5-142.5	0.4904E-03	45	0- 60	0.1995E-01	90-150	0.3634E-02
60-75.00	0.1876E 00	-7.5 TO 52.5	0.1039E-02	82.5-142.5	0.8740E-05	60	0- 60	0.7809E-02	90-150	0.1597E-03
75-88.09	0.1754E 00	-7.5 TO 52.5	0.5929E-04	82.5-142.5	0.	75	0- 60	0.8795E-03	90-150	0.
0-15.00	0.3314E-01	-7.5 TO 67.5	0.9976E-02	82.5-157.5	0.6589E-02	0	0- 75	0.4205E-01	90-165	0.4205E-01
15-30.00	0.9715E-01	-7.5 TO 67.5	0.9525E-02	82.5-157.5	0.3897E-02	15	0- 75	0.4991E-01	90-165	0.2628E-01
30-45.00	0.1545E 00	-7.5 TO 67.5	0.6574E-02	82.5-157.5	0.1706E-02	30	0- 75	0.3988E-01	90-165	0.1229E-01
45-60.00	0.2014E 00	-7.5 TO 67.5	0.3257E-02	82.5-157.5	0.4229E-03	45	0- 75	0.2274E-01	90-165	0.4085E-02
60-75.00	0.2346E 00	-7.5 TO 67.5	0.9006E-03	82.5-157.5	0.6996E-05	60	0- 75	0.8584E-02	90-165	0.1601E-03
75-88.09	0.2193E 00	-7.5 TO 67.5	0.4758E-04	82.5-157.5	0.	75	0- 75	0.8797E-03	90-165	0.
0-15.00	0.3976E-01	-7.5 TO 82.5	0.9693E-02	82.5-172.5	0.6426E-02	0	0- 90	0.5046E-01	90-180	0.5046E-01
15-30.00	0.1166E 00	-7.5 TO 82.5	0.8995E-02	82.5-172.5	0.3699E-02	15	0- 90	0.5723E-01	90-180	0.3053E-01
30-45.00	0.1855E 00	-7.5 TO 82.5	0.6073E-02	82.5-172.5	0.1578E-02	30	0- 90	0.4435E-01	90-180	0.1393E-01
45-60.00	0.2417E 00	-7.5 TO 82.5	0.2963E-02	82.5-172.5	0.3734E-03	45	0- 90	0.2473E-01	90-180	0.4494E-02
60-75.00	0.2815E 00	-7.5 TO 82.5	0.7689E-03	82.5-172.5	0.5833E-05	60	0- 90	0.8977E-02	90-180	0.1605E-03
75-88.09	0.2631E 00	-7.5 TO 82.5	0.3965E-04	82.5-172.5	0.	75	0- 90	0.8797E-03	90-180	0.
0-15.00	0.4639E-01	-7.5 TO 97.5	0.9395E-02	82.5-187.5	0.6301E-02	0	0-105	0.5887E-01	90-195	0.5887E-01
15-30.00	0.1360E 00	-7.5 TO 97.5	0.8463E-02	82.5-187.5	0.3549E-02	15	0-105	0.6367E-01	90-195	0.3478E-01
30-45.00	0.2164E 00	-7.5 TO 97.5	0.5589E-02	82.5-187.5	0.1481E-02	30	0-105	0.4788E-01	90-195	0.1557E-01
45-60.00	0.2820E 00	-7.5 TO 97.5	0.2649E-02	82.5-187.5	0.3369E-03	45	0-105	0.2614E-01	90-195	0.4904E-02
60-75.00	0.3284E 00	-7.5 TO 97.5	0.6633E-03	82.5-187.5	0.5002E-05	60	0-105	0.9108E-02	90-195	0.1608E-03
75-88.09	0.3070E 00	-7.5 TO 97.5	0.3398E-04	82.5-187.5	0.	75	0-105	0.8797E-03	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 3.000 $\cosh \mu_1$ = 1.5317 $\cosh \mu_2$ = 1.6315 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 65.11

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.6627E-02	-7.5 TO 7.5	0.1087E-01	82.5- 97.5	0.7638E-02	0	0- 15	0.8437E-02	90-105	0.8437E-02
15-30.00	0.1943E-01	-7.5 TO 7.5	0.1161E-01	82.5- 97.5	0.5313E-02	15	0- 15	0.1165E-01	90-105	0.6458E-02
30-45.00	0.3091E-01	-7.5 TO 7.5	0.8989E-02	82.5- 97.5	0.2732E-02	30	0- 15	0.1082E-01	90-105	0.3544E-02
45-60.00	0.4028E-01	-7.5 TO 7.5	0.5008E-02	82.5- 97.5	0.9126E-03	45	0- 15	0.7031E-02	90-105	0.1417E-02
60-75.00	0.4691E-01	-7.5 TO 7.5	0.1758E-02	82.5- 97.5	0.3522E-04	60	0- 15	0.3177E-02	90-105	0.1360E-03
75-88.09	0.4386E-01	-7.5 TO 7.5	0.1960E-03	82.5- 97.5	0.	75	0- 15	0.6335E-03	90-105	0.
0-15.00	0.1325E-01	-7.5 TO 22.5	0.1080E-01	82.5-112.5	0.7324E-02	0	0- 30	0.1687E-01	90-120	0.1687E-01
15-30.00	0.3886E-01	-7.5 TO 22.5	0.1145E-01	82.5-112.5	0.4856E-02	15	0- 30	0.2288E-01	90-120	0.1215E-01
30-45.00	0.6182E-01	-7.5 TO 22.5	0.8811E-02	82.5-112.5	0.2379E-02	30	0- 30	0.2092E-01	90-120	0.6345E-02
45-60.00	0.8057E-01	-7.5 TO 22.5	0.4882E-02	82.5-112.5	0.7283E-03	45	0- 30	0.1344E-01	90-120	0.2399E-02
60-75.00	0.9382E-01	-7.5 TO 22.5	0.1693E-02	82.5-112.5	0.1982E-04	60	0- 30	0.5987E-02	90-120	0.1642E-03
75-88.09	0.8771E-01	-7.5 TO 22.5	0.1803E-03	82.5-112.5	0.	75	0- 30	0.1124E-02	90-120	0.
0-15.00	0.1588E-01	-7.5 TO 37.5	0.1065E-01	82.5-127.5	0.7045E-02	0	0- 45	0.2531E-01	90-135	0.2531E-01
15-30.00	0.5829E-01	-7.5 TO 37.5	0.1110E-01	82.5-127.5	0.4474E-02	15	0- 45	0.3334E-01	90-135	0.1725E-01
30-45.00	0.9273E-01	-7.5 TO 37.5	0.8430E-02	82.5-127.5	0.2101E-02	30	0- 45	0.2976E-01	90-135	0.8629E-02
45-60.00	0.1208E 00	-7.5 TO 37.5	0.4615E-02	82.5-127.5	0.5946E-03	45	0- 45	0.1880E-01	90-135	0.3107E-02
60-75.00	0.1407E 00	-7.5 TO 37.5	0.1558E-02	82.5-127.5	0.1346E-04	60	0- 45	0.8183E-02	90-135	0.1652E-03
75-88.09	0.1316E 00	-7.5 TO 37.5	0.1513E-03	82.5-127.5	0.	75	0- 45	0.1395E-02	90-135	0.
0-15.00	0.2651E-01	-7.5 TO 52.5	0.1043E-01	82.5-142.5	0.6803E-02	0	0- 60	0.3375E-01	90-150	0.3375E-01
15-30.00	0.7772E-01	-7.5 TO 52.5	0.1062E-01	82.5-142.5	0.4160E-02	15	0- 60	0.4282E-01	90-150	0.2192E-01
30-45.00	0.1236E 00	-7.5 TO 52.5	0.7908E-02	82.5-142.5	0.1884E-02	30	0- 60	0.3708E-01	90-150	0.1057E-01
45-60.00	0.1611E 00	-7.5 TO 52.5	0.4255E-02	82.5-142.5	0.4988E-03	45	0- 60	0.2294E-01	90-150	0.3650E-02
60-75.00	0.1876E 00	-7.5 TO 52.5	0.1381E-02	82.5-142.5	0.1010E-04	60	0- 60	0.9692E-02	90-150	0.1657E-03
75-88.09	0.1754E 00	-7.5 TO 52.5	0.1210E-03	82.5-142.5	0.	75	0- 60	0.1475E-02	90-150	0.
0-15.00	0.3314E-01	-7.5 TO 67.5	0.1016E-01	82.5-157.5	0.6599E-02	0	0- 75	0.4219E-01	90-165	0.4219E-01
15-30.00	0.9715E-01	-7.5 TO 67.5	0.1005E-01	82.5-157.5	0.3906E-02	15	0- 75	0.5123E-01	90-165	0.2630E-01
30-45.00	0.1545E 00	-7.5 TO 67.5	0.7316E-02	82.5-157.5	0.1715E-02	30	0- 75	0.4291E-01	90-165	0.1231E-01
45-60.00	0.2014E 00	-7.5 TO 67.5	0.3856E-02	82.5-157.5	0.4297E-03	45	0- 75	0.2593E-01	90-165	0.4101E-02
60-75.00	0.2346E 00	-7.5 TO 67.5	0.1194E-02	82.5-157.5	0.8086E-05	60	0- 75	0.1058E-01	90-165	0.1661E-03
75-88.09	0.2193E 00	-7.5 TO 67.5	0.9749E-04	82.5-157.5	0.	75	0- 75	0.1479E-02	90-165	0.
0-15.00	0.3976E-01	-7.5 TO 82.5	0.9853E-02	82.5-172.5	0.6434E-02	0	0- 90	0.5062E-01	90-180	0.5062E-01
15-30.00	0.1166E 00	-7.5 TO 82.5	0.9450E-02	82.5-172.5	0.3707E-02	15	0- 90	0.5860E-01	90-180	0.3055E-01
30-45.00	0.1855E 00	-7.5 TO 82.5	0.6716E-02	82.5-172.5	0.1586E-02	30	0- 90	0.4747E-01	90-180	0.1395E-01
45-60.00	0.2417E 00	-7.5 TO 82.5	0.3460E-02	82.5-172.5	0.3790E-03	45	0- 90	0.2800E-01	90-180	0.4510E-02
60-75.00	0.2815E 00	-7.5 TO 82.5	0.1019E-02	82.5-172.5	0.6741E-05	60	0- 90	0.1101E-01	90-180	0.1665E-03
75-88.09	0.2631E 00	-7.5 TO 82.5	0.8125E-04	82.5-172.5	0.	75	0- 90	0.1479E-02	90-180	0.
0-15.00	0.4639E-01	-7.5 TO 97.5	0.9536E-02	82.5-187.5	0.6308E-02	0	0-105	0.5906E-01	90-195	0.5906E-01
15-30.00	0.1360E 00	-7.5 TO 97.5	0.8859E-02	82.5-187.5	0.3556E-02	15	0-105	0.6506E-01	90-195	0.3480E-01
30-45.00	0.2164E 00	-7.5 TO 97.5	0.6145E-02	82.5-187.5	0.1488E-02	30	0-105	0.5101E-01	90-195	0.1559E-01
45-60.00	0.2820E 00	-7.5 TO 97.5	0.3096E-02	82.5-187.5	0.3417E-03	45	0-105	0.2942E-01	90-195	0.4920E-02
60-75.00	0.3284E 00	-7.5 TO 97.5	0.8782E-03	82.5-187.5	0.5781E-05	60	0-105	0.1115E-01	90-195	0.1668E-03
75-88.09	0.3070E 00	-7.5 TO 97.5	0.6964E-04	82.5-187.5	0.	75	0-105	0.1479E-02	90-195	0.

r_2/r_1 = 0.90 d/r_1 = 3.000 $\cosh \mu_1$ = 1.5317 $\cosh \mu_2$ = 1.6315 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 52.20

0-15.00	0.6627E-02	-7.5 TO 7.5	0.1087E-01	82.5- 97.5	0.7638E-02	0	0- 15	0.8437E-02	90-105	0.8437E-02
15-30.00	0.1943E-01	-7.5 TO 7.5	0.1162E-01	82.5- 97.5	0.5313E-02	15	0- 15	0.1165E-01	90-105	0.6458E-02
30-45.00	0.3091E-01	-7.5 TO 7.5	0.9102E-02	82.5- 97.5	0.2732E-02	30	0- 15	0.1086E-01	90-105	0.3544E-02
45-60.00	0.4028E-01	-7.5 TO 7.5	0.5204E-02	82.5- 97.5	0.9126E-03	45	0- 15	0.7201E-02	90-105	0.1417E-02
60-75.00	0.4691E-01	-7.5 TO 7.5	0.1903E-02	82.5- 97.5	0.3522E-04	60	0- 15	0.3362E-02	90-105	0.1360E-03
75-88.09	0.4386E-01	-7.5 TO 7.5	0.2384E-03	82.5- 97.5	0.	75	0- 15	0.7230E-03	90-105	0.
0-15.00	0.1325E-01	-7.5 TO 22.5	0.1080E-01	82.5-112.5	0.7324E-02	0	0- 30	0.1687E-01	90-120	0.1687E-01
15-30.00	0.3886E-01	-7.5 TO 22.5	0.1146E-01	82.5-112.5	0.4856E-02	15	0- 30	0.2288E-01	90-120	0.1215E-01
30-45.00	0.6182E-01	-7.5 TO 22.5	0.8915E-02	82.5-112.5	0.2379E-02	30	0- 30	0.2098E-01	90-120	0.6345E-02
45-60.00	0.8057E-01	-7.5 TO 22.5	0.5065E-02	82.5-112.5	0.7283E-03	45	0- 30	0.1374E-01	90-120	0.2399E-02
60-75.00	0.9382E-01	-7.5 TO 22.5	0.1829E-02	82.5-112.5	0.1982E-04	60	0- 30	0.6313E-02	90-120	0.1642E-03
75-88.09	0.8771E-01	-7.5 TO 22.5	0.2191E-03	82.5-112.5	0.	75	0- 30	0.1279E-02	90-120	0.
0-15.00	0.1588E-01	-7.5 TO 37.5	0.1065E-01	82.5-127.5	0.7045E-02	0	0- 45	0.2531E-01	90-135	0.2531E-01
15-30.00	0.5829E-01	-7.5 TO 37.5	0.1111E-01	82.5-127.5	0.4474E-02	15	0- 45	0.3334E-01	90-135	0.1725E-01
30-45.00	0.9273E-01	-7.5 TO 37.5	0.8516E-02	82.5-127.5	0.2101E-02	30	0- 45	0.2982E-01	90-135	0.8629E-02
45-60.00	0.1208E 00	-7.5 TO 37.5	0.4773E-02	82.5-127.5	0.5946E-03	45	0- 45	0.1915E-01	90-135	0.3107E-02
60-75.00	0.1407E 00	-7.5 TO 37.5	0.1676E-02	82.5-127.5	0.1346E-04	60	0- 45	0.8586E-02	90-135	0.1652E-03
75-88.09	0.1316E 00	-7.5 TO 37.5	0.1836E-03	82.5-127.5	0.	75	0- 45	0.1584E-02	90-135	0.
0-15.00	0.2651E-01	-7.5 TO 52.5	0.1043E-01	82.5-142.5	0.6803E-02	0	0- 60	0.3375E-01	90-150	0.3375E-01
15-30.00	0.7772E-01	-7.5 TO 52.5	0.1062E-01	82.5-142.5	0.4160E-02	15	0- 60	0.4282E-01	90-150	0.2192E-01
30-45.00	0.1236E 00	-7.5 TO 52.5	0.7977E-02	82.5-142.5	0.1884E-02	30	0- 60	0.3714E-01	90-150	0.1057E-01
45-60.00	0.1611E 00	-7.5 TO 52.5	0.4385E-02	82.5-142.5	0.4988E-03	45	0- 60	0.2330E-01	90-150	0.3650E-02
60-75.00	0.1876E 00	-7.5 TO 52.5	0.1479E-02	82.5-142.5	0.1010E-04	60	0- 60	0.1012E-01	90-150	0.1657E-03
75-88.09	0.1754E 00	-7.5 TO 52.5	0.1467E-03	82.5-142.5	0.	75	0- 60	0.1674E-02	90-150	0.
0-15.00	0.3314E-01	-7.5 TO 67.5	0.1016E-01	82.5-157.5	0.6599E-02	0	0- 75	0.4219E-01	90-165	0.4219E-01
15-30.00	0.9715E-01	-7.5 TO 67.5	0.1005E-01	82.5-157.5	0.3906E-02	15	0- 75	0.5123E-01	90-165	0.2630E-01
30-45.00	0.1545E 00	-7.5 TO 67.5	0.7371E-02	82.5-157.5	0.1715E-02	30	0- 75	0.4297E-01	90-165	0.1231E-01
45-60.00	0.2014E 00	-7.5 TO 67.5	0.3961E-02	82.5-157.5	0.4297E-03	45	0- 75	0.2629E-01	90-165	0.4101E-02
60-75.00	0.2346E 00	-7.5 TO 67.5	0.1274E-02	82.5-157.5	0.8086E-05	60	0- 75	0.1101E-01	90-165	0.1661E-03
75-88.09	0.2193E 00	-7.5 TO 67.5	0.1182E-03	82.5-157.5	0.	75	0- 75	0.1678E-02	90-165	0.
0-15.00	0.3976E-01	-7.5 TO 82.5	0.9853E-02	82.5-172.5	0.6434E-02	0	0- 90	0.5062E-01	90-180	0.5062E-01
15-30.00	0.1166E 00	-7.5 TO 82.5	0.9453E-02	82.5-172.5	0.3707E-02	15	0- 90	0.5860E-01	90-180	0.3055E-01
30-45.00	0.1855E 00	-7.5 TO 82.5	0.6760E-02	82.5-172.5	0.1586E-02	30	0- 90	0.4752E-01	90-180	0.1395E-01
45-60.00	0.2417E 00	-7.5 TO 82.5	0.3548E-02	82.5-172.5	0.3790E-03	45	0- 90	0.2836E-01	90-180	0.4510E-02
60-75.00	0.2815E 00	-7.5 TO 82.5	0.1085E-02	82.5-172.5	0.6741E-05	60	0- 90	0.1144E-01	90-180	0.1665E-03
75-88.09	0.2631E 00	-7.5 TO 82.5	0.9850E-04	82.5-172.5	0.	75	0- 90	0.1678E-02	90-180	0.
0-15.00	0.4639E-01	-7.5 TO 97.5	0.9536E-02	82.5-187.5	0.6308E-02	0	0-105	0.5906E-01	90-195	0.5906E-01
15-30.00	0.1360E 00	-7.5 TO 97.5	0.8861E-02	82.5-187.5	0.3556E-02	15	0-105	0.6506E-01	90-195	0.3480E-01
30-45.00	0.2164E 00	-7.5 TO 97.5	0.6185E-02	82.5-187.5	0.1488E-02	30	0-105	0.5107E-01	90-195	0.1559E-01
45-60.00	0.2820E 00	-7.5 TO 97.5	0.3171E-02	82.5-187.5	0.3417E-03	45	0-105	0.2978E-01	90-195	0.4920E-02
60-75.00	0.3284E 00	-7.5 TO 97.5	0.9351E-03	82.5-187.5	0.5781E-05	60	0-105	0.1158E-01	90-195	0.1668E-03
75-88.09	0.3070E 00	-7.5 TO 97.5	0.8443E-04	82.5-187.5	0.	75	0-105	0.1678E-02	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 3.000 $\cosh \mu_1$ = 1.5317 $\cosh \mu_2$ = 1.6315 $\alpha_{2,max}$ = 91.91 $\theta_{2,min}$ = 50.70

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.6627E-02	-7.5 TO 7.5	0.1087E-01	82.5- 97.5	0.7638E-02	0	0- 15	0.8437E-02	90-105	0.8437E-02
15-30.00	0.1943E-01	-7.5 TO 7.5	0.1162E-01	82.5- 97.5	0.5313E-02	15	0- 15	0.1165E-01	90-105	0.6458E-02
30-45.00	0.3091E-01	-7.5 TO 7.5	0.9102E-02	82.5- 97.5	0.2732E-02	30	0- 15	0.1086E-01	90-105	0.3544E-02
45-60.00	0.4028E-01	-7.5 TO 7.5	0.5204E-02	82.5- 97.5	0.9126E-03	45	0- 15	0.7201E-02	90-105	0.1417E-02
60-75.00	0.4691E-01	-7.5 TO 7.5	0.1903E-02	82.5- 97.5	0.3522E-04	60	0- 15	0.3362E-02	90-105	0.1360E-03
75-88.09	0.4386E-01	-7.5 TO 7.5	0.2387E-03	82.5- 97.5	0.	75	0- 15	0.7235E-03	90-105	0.
0-15.00	0.1325E-01	-7.5 TO 22.5	0.1080E-01	82.5-112.5	0.7324E-02	0	0- 30	0.1687E-01	90-120	0.1687E-01
15-30.00	0.3886E-01	-7.5 TO 22.5	0.1146E-01	82.5-112.5	0.4856E-02	15	0- 30	0.2288E-01	90-120	0.1215E-01
30-45.00	0.6182E-01	-7.5 TO 22.5	0.8915E-02	82.5-112.5	0.2379E-02	30	0- 30	0.2098E-01	90-120	0.6345E-02
45-60.00	0.8057E-01	-7.5 TO 22.5	0.5065E-02	82.5-112.5	0.7283E-03	45	0- 30	0.1374E-01	90-120	0.2399E-02
60-75.00	0.9382E-01	-7.5 TO 22.5	0.1829E-02	82.5-112.5	0.1982E-04	60	0- 30	0.6313E-02	90-120	0.1642E-03
75-88.09	0.8771E-01	-7.5 TO 22.5	0.2193E-03	82.5-112.5	0.	75	0- 30	0.1280E-02	90-120	0.
0-15.00	0.1588E-01	-7.5 TO 37.5	0.1065E-01	82.5-127.5	0.7045E-02	0	0- 45	0.2531E-01	90-135	0.2531E-01
15-30.00	0.5829E-01	-7.5 TO 37.5	0.1111E-01	82.5-127.5	0.4474E-02	15	0- 45	0.3334E-01	90-135	0.1725E-01
30-45.00	0.9273E-01	-7.5 TO 37.5	0.8516E-02	82.5-127.5	0.2101E-02	30	0- 45	0.2982E-01	90-135	0.6629E-02
45-60.00	0.1208E 00	-7.5 TO 37.5	0.4773E-02	82.5-127.5	0.5946E-03	45	0- 45	0.1915E-01	90-135	0.3107E-02
60-75.00	0.1407E 00	-7.5 TO 37.5	0.1676E-02	82.5-127.5	0.1346E-04	60	0- 45	0.8586E-02	90-135	0.1652E-03
75-88.09	0.1316E 00	-7.5 TO 37.5	0.1838E-03	82.5-127.5	0.	75	0- 45	0.1584E-02	90-135	0.
0-15.00	0.2651E-01	-7.5 TO 52.5	0.1043E-01	82.5-142.5	0.6803E-02	0	0- 60	0.3375E-01	90-150	0.3375E-01
15-30.00	0.7772E-01	-7.5 TO 52.5	0.1062E-01	82.5-142.5	0.4160E-02	15	0- 60	0.4282E-01	90-150	0.2192E-01
30-45.00	0.1236E 00	-7.5 TO 52.5	0.7977E-02	82.5-142.5	0.1884E-02	30	0- 60	0.3714E-01	90-150	0.1057E-01
45-60.00	0.1611E 00	-7.5 TO 52.5	0.4385E-02	82.5-142.5	0.4988E-03	45	0- 60	0.2330E-01	90-150	0.3650E-02
60-75.00	0.1876E 00	-7.5 TO 52.5	0.1479E-02	82.5-142.5	0.1010E-04	60	0- 60	0.1012E-01	90-150	0.1657E-03
75-88.09	0.1754E 00	-7.5 TO 52.5	0.1468E-03	82.5-142.5	0.	75	0- 60	0.1674E-02	90-150	0.
0-15.00	0.3314E-01	-7.5 TO 67.5	0.1016E-01	82.5-157.5	0.6599E-02	0	0- 75	0.4219E-01	90-165	0.4219E-01
15-30.00	0.9715E-01	-7.5 TO 67.5	0.1005E-01	82.5-157.5	0.3906E-02	15	0- 75	0.5123E-01	90-165	0.2630E-01
30-45.00	0.1545E 00	-7.5 TO 67.5	0.7371E-02	82.5-157.5	0.1715E-02	30	0- 75	0.4297E-01	90-165	0.1231E-01
45-60.00	0.2014E 00	-7.5 TO 67.5	0.3961E-02	82.5-157.5	0.4297E-03	45	0- 75	0.2629E-01	90-165	0.4101E-02
60-75.00	0.2346E 00	-7.5 TO 67.5	0.1274E-02	82.5-157.5	0.8086E-05	60	0- 75	0.1101E-01	90-165	0.1661E-03
75-88.09	0.2193E 00	-7.5 TO 67.5	0.1183E-03	82.5-157.5	0.	75	0- 75	0.1679E-02	90-165	0.
0-15.00	0.3976E-01	-7.5 TO 82.5	0.9853E-02	82.5-172.5	0.6434E-02	0	0- 90	0.5062E-01	90-180	0.5062E-01
15-30.00	0.1166E 00	-7.5 TO 82.5	0.9453E-02	82.5-172.5	0.3707E-02	15	0- 90	0.5860E-01	90-180	0.3055E-01
30-45.00	0.1855E 00	-7.5 TO 82.5	0.6760E-02	82.5-172.5	0.1586E-02	30	0- 90	0.4752E-01	90-180	0.1395E-01
45-60.00	0.2417E 00	-7.5 TO 82.5	0.3548E-02	82.5-172.5	0.3790E-03	45	0- 90	0.2836E-01	90-180	0.4510E-02
60-75.00	0.2815E 00	-7.5 TO 82.5	0.1085E-02	82.5-172.5	0.6741E-05	60	0- 90	0.1144E-01	90-180	0.1665E-03
75-88.09	0.2631E 00	-7.5 TO 82.5	0.9859E-04	82.5-172.5	0.	75	0- 90	0.1679E-02	90-180	0.
0-15.00	0.4639E-01	-7.5 TO 97.5	0.9536E-02	82.5-187.5	0.6308E-02	0	0-105	0.5906E-01	90-195	0.5906E-01
15-30.00	0.1360E 00	-7.5 TO 97.5	0.8861E-02	82.5-187.5	0.3556E-02	15	0-105	0.6506E-01	90-195	0.3480E-01
30-45.00	0.2164E 00	-7.5 TO 97.5	0.6185E-02	82.5-187.5	0.1488E-02	30	0-105	0.5107E-01	90-195	0.1559E-01
45-60.00	0.2820E 00	-7.5 TO 97.5	0.3171E-02	82.5-187.5	0.3417E-03	45	0-105	0.2978E-01	90-195	0.4920E-02
60-75.00	0.3284E 00	-7.5 TO 97.5	0.9352E-03	82.5-187.5	0.5781E-05	60	0-105	0.1158E-01	90-195	0.1668E-03
75-88.09	0.3070E 00	-7.5 TO 97.5	0.8450E-04	82.5-187.5	0.	75	0-105	0.1679E-02	90-195	0.

r_2/r_1 = 0.90 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5190 $\cosh \mu_2$ = 2.7567 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 158.20

0-15.00	0.1669E-02	-7.5 TO 7.5	0.2256E-03	82.5- 97.5	0.2192E-03	0	0- 15	0.2294E-03	90-105	0.2294E-03
15-30.00	0.4893E-02	-7.5 TO 7.5	0.1956E-03	82.5- 97.5	0.1831E-03	15	0- 15	0.2185E-03	90-105	0.2081E-03
30-45.00	0.7783E-02	-7.5 TO 7.5	0.1414E-03	82.5- 97.5	0.1272E-03	30	0- 15	0.1730E-03	90-105	0.1572E-03
45-60.00	0.1014E-01	-7.5 TO 7.5	0.8181E-04	82.5- 97.5	0.7004E-04	45	0- 15	0.1123E-03	90-105	0.9726E-04
60-75.00	0.1181E-01	-7.5 TO 7.5	0.2984E-04	82.5- 97.5	0.2206E-04	60	0- 15	0.5454E-04	90-105	0.4351E-04
75-88.85	0.1170E-01	-7.5 TO 7.5	0.7969E-06	82.5- 97.5	0.1744E-06	75	0- 15	0.8016E-05	90-105	0.1561E-05
0-15.00	0.3238E-02	-7.5 TO 22.5	0.2255E-03	82.5-112.5	0.2184E-03	0	0- 30	0.4588E-03	90-120	0.4588E-03
15-30.00	0.9786E-02	-7.5 TO 22.5	0.1954E-03	82.5-112.5	0.1816E-03	15	0- 30	0.4364E-03	90-120	0.4138E-03
30-45.00	0.1557E-01	-7.5 TO 22.5	0.1411E-03	82.5-112.5	0.1255E-03	30	0- 30	0.3450E-03	90-120	0.3110E-03
45-60.00	0.2029E-01	-7.5 TO 22.5	0.8160E-04	82.5-112.5	0.6864E-04	45	0- 30	0.2237E-03	90-120	0.1914E-03
60-75.00	0.2362E-01	-7.5 TO 22.5	0.2970E-04	82.5-112.5	0.2115E-04	60	0- 30	0.1084E-03	90-120	0.8476E-04
75-88.85	0.2339E-01	-7.5 TO 22.5	0.7715E-06	82.5-112.5	0.1239E-06	75	0- 30	0.1561E-04	90-120	0.2012E-05
0-15.00	0.5007E-02	-7.5 TO 37.5	0.2253E-03	82.5-127.5	0.2176E-03	0	0- 45	0.6882E-03	90-135	0.6882E-03
15-30.00	0.1468E-01	-7.5 TO 37.5	0.1949E-03	82.5-127.5	0.1801E-03	15	0- 45	0.6531E-03	90-135	0.6176E-03
30-45.00	0.2335E-01	-7.5 TO 37.5	0.1406E-03	82.5-127.5	0.1239E-03	30	0- 45	0.5151E-03	90-135	0.4618E-03
45-60.00	0.3043E-01	-7.5 TO 37.5	0.8112E-04	82.5-127.5	0.6732E-04	45	0- 45	0.3333E-03	90-135	0.2828E-03
60-75.00	0.3544E-01	-7.5 TO 37.5	0.2938E-04	82.5-127.5	0.2032E-04	60	0- 45	0.1608E-03	90-135	0.1241E-03
75-88.85	0.3509E-01	-7.5 TO 37.5	0.7201E-06	82.5-127.5	0.8925E-07	75	0- 45	0.2239E-04	90-135	0.2164E-05
0-15.00	0.6675E-02	-7.5 TO 52.5	0.2249E-03	82.5-142.5	0.2169E-03	0	0- 60	0.9176E-03	90-150	0.9176E-03
15-30.00	0.1957E-01	-7.5 TO 52.5	0.1941E-03	82.5-142.5	0.1788E-03	15	0- 60	0.8680E-03	90-150	0.8197E-03
30-45.00	0.3113E-01	-7.5 TO 52.5	0.1397E-03	82.5-142.5	0.1224E-03	30	0- 60	0.6825E-03	90-150	0.6103E-03
45-60.00	0.4057E-01	-7.5 TO 52.5	0.8039E-04	82.5-142.5	0.6613E-04	45	0- 60	0.4403E-03	90-150	0.3719E-03
60-75.00	0.4725E-01	-7.5 TO 52.5	0.2889E-04	82.5-142.5	0.1958E-04	60	0- 60	0.2114E-03	90-150	0.1618E-03
75-88.85	0.4679E-01	-7.5 TO 52.5	0.6623E-06	82.5-142.5	0.6913E-07	75	0- 60	0.2806E-04	90-150	0.2251E-05
0-15.00	0.8344E-02	-7.5 TO 67.5	0.2244E-03	82.5-157.5	0.2163E-03	0	0- 75	0.1147E-02	90-165	0.1147E-02
15-30.00	0.2446E-01	-7.5 TO 67.5	0.1931E-03	82.5-157.5	0.1776E-03	15	0- 75	0.1081E-02	90-165	0.1021E-02
30-45.00	0.3892E-01	-7.5 TO 67.5	0.1386E-03	82.5-157.5	0.1211E-03	30	0- 75	0.8467E-03	90-165	0.7572E-03
45-60.00	0.5072E-01	-7.5 TO 67.5	0.7946E-04	82.5-157.5	0.6510E-04	45	0- 75	0.5442E-03	90-165	0.4596E-03
60-75.00	0.5906E-01	-7.5 TO 67.5	0.2828E-04	82.5-157.5	0.1895E-04	60	0- 75	0.2598E-03	90-165	0.1985E-03
75-88.85	0.5848E-01	-7.5 TO 67.5	0.6078E-06	82.5-157.5	0.5643E-07	75	0- 75	0.3242E-04	90-165	0.2313E-05
0-15.00	0.1001E-01	-7.5 TO 82.5	0.2238E-03	82.5-172.5	0.2157E-03	0	0- 90	0.1376E-02	90-180	0.1376E-02
15-30.00	0.2936E-01	-7.5 TO 82.5	0.1920E-03	82.5-172.5	0.1766E-03	15	0- 90	0.1291E-02	90-180	0.1221E-02
30-45.00	0.4670E-01	-7.5 TO 82.5	0.1373E-03	82.5-172.5	0.1201E-03	30	0- 90	0.1007E-02	90-180	0.9031E-03
45-60.00	0.6086E-01	-7.5 TO 82.5	0.7838E-04	82.5-172.5	0.6424E-04	45	0- 90	0.6448E-03	90-180	0.5465E-03
60-75.00	0.7087E-01	-7.5 TO 82.5	0.2756E-04	82.5-172.5	0.1843E-04	60	0- 90	0.3057E-03	90-180	0.2347E-03
75-88.85	0.7018E-01	-7.5 TO 82.5	0.5537E-06	82.5-172.5	0.4777E-07	75	0- 90	0.3537E-04	90-180	0.2368E-05
0-15.00	0.1168E-01	-7.5 TO 97.5	0.2231E-03	82.5-187.5	0.2153E-03	0	0-105	0.1606E-02	90-195	0.1606E-02
15-30.00	0.3425E-01	-7.5 TO 97.5	0.1907E-03	82.5-187.5	0.1759E-03	15	0-105	0.1499E-02	90-195	0.1421E-02
30-45.00	0.5448E-01	-7.5 TO 97.5	0.1359E-03	82.5-187.5	0.1193E-03	30	0-105	0.1165E-02	90-195	0.1049E-02
45-60.00	0.7100E-01	-7.5 TO 97.5	0.7719E-04	82.5-187.5	0.6359E-04	45	0-105	0.7421E-03	90-195	0.6334E-03
60-75.00	0.8265E-01	-7.5 TO 97.5	0.2677E-04	82.5-187.5	0.1804E-04	60	0-105	0.3492E-03	90-195	0.2708E-03
75-88.85	0.8188E-01	-7.5 TO 97.5	0.4995E-06	82.5-187.5	0.4154E-07	75	0-105	0.3693E-04	90-195	0.2422E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0. d/r_1 = 5.000 $\cosh \mu_1$ = 2.5190 $\cosh \mu_2$ = 2.7567 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 137.21

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1669E-02	-7.5 TO 7.5	0.8067E-03	82.5- 97.5	0.7630E-03	0	0- 15	0.7979E-03	90-105	0.7979E-03
15-30.00	0.4893E-02	-7.5 TO 7.5	0.7254E-03	82.5- 97.5	0.6393E-03	15	0- 15	0.7923E-03	90-105	0.7211E-03
30-45.00	0.7783E-02	-7.5 TO 7.5	0.5464E-03	82.5- 97.5	0.4466E-03	30	0- 15	0.6540E-03	90-105	0.5444E-03
45-60.00	0.1014E-01	-7.5 TO 7.5	0.3322E-03	82.5- 97.5	0.2477E-03	45	0- 15	0.4439E-03	90-105	0.3373E-03
60-75.00	0.1181E-01	-7.5 TO 7.5	0.1359E-03	82.5- 97.5	0.7929E-04	60	0- 15	0.2302E-03	90-105	0.1510E-03
75-88.85	0.1170E-01	-7.5 TO 7.5	0.1033E-04	82.5- 97.5	0.7183E-06	75	0- 15	0.5150E-04	90-105	0.4728E-05
0-15.00	0.3338E-02	-7.5 TO 22.5	0.8059E-03	82.5-112.5	0.7576E-03	0	0- 30	0.1996E-02	90-120	0.1596E-02
15-30.00	0.9786E-02	-7.5 TO 22.5	0.7239E-03	82.5-112.5	0.6290E-03	15	0- 30	0.1980E-02	90-120	0.1427E-02
30-45.00	0.1557E-01	-7.5 TO 22.5	0.5446E-03	82.5-112.5	0.4351E-03	30	0- 30	0.1301E-02	90-120	0.1067E-02
45-60.00	0.2029E-01	-7.5 TO 22.5	0.3306E-03	82.5-112.5	0.2383E-03	45	0- 30	0.8807E-03	90-120	0.6539E-03
60-75.00	0.2362E-01	-7.5 TO 22.5	0.1348E-03	82.5-112.5	0.7330E-04	60	0- 30	0.4549E-03	90-120	0.2872E-03
75-88.85	0.2339E-01	-7.5 TO 22.5	0.1001E-04	82.5-112.5	0.4377E-06	75	0- 30	0.9966E-04	90-120	0.5225E-05
0-15.00	0.5007E-02	-7.5 TO 37.5	0.8042E-03	82.5-127.5	0.7524E-03	0	0- 45	0.2394E-02	90-135	0.2394E-02
15-30.00	0.1468E-01	-7.5 TO 37.5	0.7204E-03	82.5-127.5	0.6194E-03	15	0- 45	0.2359E-02	90-135	0.2120E-02
30-45.00	0.2335E-01	-7.5 TO 37.5	0.5404E-03	82.5-127.5	0.4245E-03	30	0- 45	0.1934E-02	90-135	0.1570E-02
45-60.00	0.3043E-01	-7.5 TO 37.5	0.3269E-03	82.5-127.5	0.2297E-03	45	0- 45	0.1304E-02	90-135	0.9529E-03
60-75.00	0.3544E-01	-7.5 TO 37.5	0.1323E-03	82.5-127.5	0.6800E-04	60	0- 45	0.6693E-03	90-135	0.4110E-03
75-88.85	0.3509E-01	-7.5 TO 37.5	0.9348E-05	82.5-127.5	0.2987E-06	75	0- 45	0.1416E-03	90-135	0.5377E-05
0-15.00	0.6675E-02	-7.5 TO 52.5	0.8015E-03	82.5-142.5	0.7477E-03	0	0- 60	0.3192E-02	90-150	0.3192E-02
15-30.00	0.1957E-01	-7.5 TO 52.5	0.7150E-03	82.5-142.5	0.6106E-03	15	0- 60	0.3127E-02	90-150	0.2801E-02
30-45.00	0.3113E-01	-7.5 TO 52.5	0.5341E-03	82.5-142.5	0.4149E-03	30	0- 60	0.2549E-02	90-150	0.2057E-02
45-60.00	0.4057E-01	-7.5 TO 52.5	0.3215E-03	82.5-142.5	0.2220E-03	45	0- 60	0.1709E-02	90-150	0.1238E-02
60-75.00	0.4725E-01	-7.5 TO 52.5	0.1286E-03	82.5-142.5	0.6339E-04	60	0- 60	0.8698E-03	90-150	0.5253E-03
75-88.85	0.4679E-01	-7.5 TO 52.5	0.8413E-05	82.5-142.5	0.2262E-06	75	0- 60	0.1751E-03	90-150	0.5463E-05
0-15.00	0.8344E-02	-7.5 TO 67.5	0.7981E-03	82.5-157.5	0.7436E-03	0	0- 75	0.3990E-02	90-165	0.3990E-02
15-30.00	0.2446E-01	-7.5 TO 67.5	0.7083E-03	82.5-157.5	0.6031E-03	15	0- 75	0.3880E-02	90-165	0.3476E-02
30-45.00	0.3892E-01	-7.5 TO 67.5	0.5261E-03	82.5-157.5	0.4067E-03	30	0- 75	0.3141E-02	90-165	0.2535E-02
45-60.00	0.5072E-01	-7.5 TO 67.5	0.3147E-03	82.5-157.5	0.2155E-03	45	0- 75	0.2092E-02	90-165	0.1514E-02
60-75.00	0.5906E-01	-7.5 TO 67.5	0.1240E-03	82.5-157.5	0.5950E-04	60	0- 75	0.1054E-02	90-165	0.6332E-03
75-88.85	0.5848E-01	-7.5 TO 67.5	0.7342E-05	82.5-157.5	0.1821E-06	75	0- 75	0.1990E-03	90-165	0.5526E-05
0-15.00	0.1001E-01	-7.5 TO 82.5	0.7941E-03	82.5-172.5	0.7402E-03	0	0- 90	0.4787E-02	90-180	0.4787E-02
15-30.00	0.2936E-01	-7.5 TO 82.5	0.7003E-03	82.5-172.5	0.5968E-03	15	0- 90	0.4617E-02	90-180	0.4146E-02
30-45.00	0.4670E-01	-7.5 TO 82.5	0.5169E-03	82.5-172.5	0.3999E-03	30	0- 90	0.3709E-02	90-180	0.3007E-02
45-60.00	0.6086E-01	-7.5 TO 82.5	0.3069E-03	82.5-172.5	0.2101E-03	45	0- 90	0.2452E-02	90-180	0.1785E-02
60-75.00	0.7087E-01	-7.5 TO 82.5	0.1188E-03	82.5-172.5	0.5636E-04	60	0- 90	0.1221E-02	90-180	0.7378E-03
75-88.85	0.7018E-01	-7.5 TO 82.5	0.6360E-05	82.5-172.5	0.1525E-06	75	0- 90	0.2130E-03	90-180	0.5580E-05
0-15.00	0.1168E-01	-7.5 TO 97.5	0.7897E-03	82.5-187.5	0.7376E-03	0	0-105	0.5585E-02	90-195	0.5585E-02
15-30.00	0.3425E-01	-7.5 TO 97.5	0.6916E-03	82.5-187.5	0.5920E-03	15	0-105	0.5338E-02	90-195	0.4817E-02
30-45.00	0.5448E-01	-7.5 TO 97.5	0.5069E-03	82.5-187.5	0.3947E-03	30	0-105	0.4254E-02	90-195	0.3479E-02
45-60.00	0.7100E-01	-7.5 TO 97.5	0.2984E-03	82.5-187.5	0.2060E-03	45	0-105	0.2789E-02	90-195	0.2056E-02
60-75.00	0.8269E-01	-7.5 TO 97.5	0.1131E-03	82.5-187.5	0.5397E-04	60	0-105	0.1372E-02	90-195	0.9624E-03
75-88.85	0.8188E-01	-7.5 TO 97.5	0.5561E-05	82.5-187.5	0.1313E-06	75	0-105	0.2177E-03	90-195	0.5635E-05

r_2/r_1 = 0.90 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5190 $\cosh \mu_2$ = 2.7567 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 117.59

0-15.00	0.1669E-02	-7.5 TO 7.5	0.1492E-02	82.5- 97.5	0.1378E-02	0	0- 15	0.1440E-02	90-105	0.1440E-02
15-30.00	0.4893E-02	-7.5 TO 7.5	0.1387E-02	82.5- 97.5	0.1160E-02	15	0- 15	0.1483E-02	90-105	0.1298E-02
30-45.00	0.7783E-02	-7.5 TO 7.5	0.1084E-02	82.5- 97.5	0.8159E-03	30	0- 15	0.1272E-02	90-105	0.9814E-03
45-60.00	0.1014E-01	-7.5 TO 7.5	0.6879E-03	82.5- 97.5	0.4572E-03	45	0- 15	0.8985E-03	90-105	0.6107E-03
60-75.00	0.1181E-01	-7.5 TO 7.5	0.3059E-03	82.5- 97.5	0.1495E-03	60	0- 15	0.4915E-03	90-105	0.2750E-03
75-88.85	0.1170E-01	-7.5 TO 7.5	0.3703E-04	82.5- 97.5	0.1585E-05	75	0- 15	0.1373E-03	90-105	0.9183E-05
0-15.00	0.3338E-02	-7.5 TO 22.5	0.1490E-02	82.5-112.5	0.1365E-02	0	0- 30	0.2880E-02	90-120	0.2880E-02
15-30.00	0.9786E-02	-7.5 TO 22.5	0.1383E-02	82.5-112.5	0.1133E-02	15	0- 30	0.2955E-02	90-120	0.2558E-02
30-45.00	0.1557E-01	-7.5 TO 22.5	0.1079E-02	82.5-112.5	0.7864E-03	30	0- 30	0.2525E-02	90-120	0.1906E-02
45-60.00	0.2029E-01	-7.5 TO 22.5	0.6834E-03	82.5-112.5	0.4331E-03	45	0- 30	0.1777E-02	90-120	0.1169E-02
60-75.00	0.2362E-01	-7.5 TO 22.5	0.3027E-03	82.5-112.5	0.1343E-03	60	0- 30	0.9673E-03	90-120	0.5128E-03
75-88.85	0.2339E-01	-7.5 TO 22.5	0.3592E-04	82.5-112.5	0.9308E-06	75	0- 30	0.2648E-03	90-120	0.9814E-05
0-15.00	0.5007E-02	-7.5 TO 37.5	0.1485E-02	82.5-127.5	0.1351E-02	0	0- 45	0.4320E-02	90-135	0.4320E-02
15-30.00	0.1468E-01	-7.5 TO 37.5	0.1373E-02	82.5-127.5	0.1109E-02	15	0- 45	0.4404E-02	90-135	0.3783E-02
30-45.00	0.2335E-01	-7.5 TO 37.5	0.1067E-02	82.5-127.5	0.7594E-03	30	0- 45	0.3740E-02	90-135	0.2783E-02
45-60.00	0.3043E-01	-7.5 TO 37.5	0.6731E-03	82.5-127.5	0.4113E-03	45	0- 45	0.2617E-02	90-135	0.1683E-02
60-75.00	0.3544E-01	-7.5 TO 37.5	0.2955E-03	82.5-127.5	0.1212E-03	60	0- 45	0.1414E-02	90-135	0.7204E-03
75-88.85	0.3509E-01	-7.5 TO 37.5	0.3351E-04	82.5-127.5	0.6280E-06	75	0- 45	0.3742E-03	90-135	0.9966E-05
0-15.00	0.6675E-02	-7.5 TO 52.5	0.1478E-02	82.5-142.5	0.1339E-02	0	0- 60	0.5760E-02	90-150	0.5760E-02
15-30.00	0.1957E-01	-7.5 TO 52.5	0.1359E-02	82.5-142.5	0.1087E-02	15	0- 60	0.5822E-02	90-150	0.4982E-02
30-45.00	0.3113E-01	-7.5 TO 52.5	0.1050E-02	82.5-142.5	0.7354E-03	30	0- 60	0.4906E-02	90-150	0.3623E-02
45-60.00	0.4057E-01	-7.5 TO 52.5	0.6579E-03	82.5-142.5	0.3923E-03	45	0- 60	0.3407E-02	90-150	0.2164E-02
60-75.00	0.4725E-01	-7.5 TO 52.5	0.2849E-03	82.5-142.5	0.1101E-03	60	0- 60	0.1821E-02	90-150	0.9053E-03
75-88.85	0.4679E-01	-7.5 TO 52.5	0.3016E-04	82.5-142.5	0.4732E-06	75	0- 60	0.4597E-03	90-150	0.1005E-04
0-15.00	0.8344E-02	-7.5 TO 67.5	0.1469E-02	82.5-157.5	0.1329E-02	0	0- 75	0.7200E-02	90-165	0.7200E-02
15-30.00	0.2446E-01	-7.5 TO 67.5	0.1341E-02	82.5-157.5	0.1068E-02	15	0- 75	0.7202E-02	90-165	0.6163E-02
30-45.00	0.3892E-01	-7.5 TO 67.5	0.1028E-02	82.5-157.5	0.7149E-03	30	0- 75	0.6011E-02	90-165	0.4436E-02
45-60.00	0.5072E-01	-7.5 TO 67.5	0.6389E-03	82.5-157.5	0.3761E-03	45	0- 75	0.4137E-02	90-165	0.2622E-02
60-75.00	0.5906E-01	-7.5 TO 67.5	0.2719E-03	82.5-157.5	0.1010E-03	60	0- 75	0.2184E-02	90-165	0.1075E-02
75-88.85	0.5848E-01	-7.5 TO 67.5	0.2639E-04	82.5-157.5	0.3797E-06	75	0- 75	0.5187E-03	90-165	0.1011E-04
0-15.00	0.1001E-01	-7.5 TO 82.5	0.1459E-02	82.5-172.5	0.1320E-02	0	0- 90	0.8640E-02	90-180	0.8640E-02
15-30.00	0.2936E-01	-7.5 TO 82.5	0.1320E-02	82.5-172.5	0.1052E-02	15	0- 90	0.8541E-02	90-180	0.7333E-02
30-45.00	0.4670E-01	-7.5 TO 82.5	0.1004E-02	82.5-172.5	0.6981E-03	30	0- 90	0.7055E-02	90-180	0.5237E-02
45-60.00	0.6086E-01	-7.5 TO 82.5	0.6174E-03	82.5-172.5	0.3630E-03	45	0- 90	0.4807E-02	90-180	0.3069E-02
60-75.00	0.7087E-01	-7.5 TO 82.5	0.2572E-03	82.5-172.5	0.9399E-04	60	0- 90	0.2501E-02	90-180	0.1238E-02
75-88.85	0.7018E-01	-7.5 TO 82.5	0.2274E-04	82.5-172.5	0.3171E-06	75	0- 90	0.5513E-03	90-180	0.1017E-04
0-15.00	0.1168E-01	-7.5 TO 97.5	0.1448E-02	82.5-187.5	0.1314E-02	0	0-105	0.1008E-01	90-195	0.1008E-01
15-30.00	0.3425E-01	-7.5 TO 97.5	0.1297E-02	82.5-187.5	0.1040E-02	15	0-105	0.9839E-02	90-195	0.8504E-02
30-45.00	0.5448E-01	-7.5 TO 97.5	0.9768E-03	82.5-187.5	0.6852E-03	30	0-105	0.8036E-02	90-195	0.6037E-02
45-60.00	0.7100E-01	-7.5 TO 97.5	0.5945E-03	82.5-187.5	0.3530E-03	45	0-105	0.5418E-02	90-195	0.3516E-02
60-75.00	0.8269E-01	-7.5 TO 97.5	0.2418E-03	82.5-187.5	0.8866E-04	60	0-105	0.2776E-02	90-195	0.1400E-02
75-88.85	0.8188E-01	-7.5 TO 97.5	0.1971E-04	82.5-187.5	0.2724E-06	75	0-105	0.5605E-03	90-195	0.1022E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5190 $\cosh \mu_2$ = 2.7567 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 99.65

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1669E-02	-7.5 TO 7.5	0.2029E-02	82.5- 97.5	0.1836E-02	0	0- 15	0.1916E-02	90-105	0.1916E-02
15-30.00	0.4893E-02	-7.5 TO 7.5	0.1941E-02	82.5- 97.5	0.1551E-02	15	0- 15	0.2039E-02	90-105	0.1724E-02
30-45.00	0.7783E-02	-7.5 TO 7.5	0.1567E-02	82.5- 97.5	0.1099E-02	30	0- 15	0.1808E-02	90-105	0.1306E-02
45-60.00	0.1014E-01	-7.5 TO 7.5	0.1030E-02	82.5- 97.5	0.6222E-03	45	0- 15	0.1320E-02	90-105	0.8168E-03
60-75.00	0.1181E-01	-7.5 TO 7.5	0.4849E-03	82.5- 97.5	0.2078E-03	60	0- 15	0.7525E-03	90-105	0.3708E-03
75-88.85	0.1170E-01	-7.5 TO 7.5	0.7628E-04	82.5- 97.5	0.2502E-05	75	0- 15	0.2384E-03	90-105	0.1394E-04
0-15.00	0.3338E-02	-7.5 TO 22.5	0.2025E-02	82.5-112.5	0.1813E-02	0	0- 30	0.3832E-02	90-120	0.3832E-02
15-30.00	0.9786E-02	-7.5 TO 22.5	0.1934E-02	82.5-112.5	0.1506E-02	15	0- 30	0.4058E-02	90-120	0.3383E-02
30-45.00	0.1557E-01	-7.5 TO 22.5	0.1558E-02	82.5-112.5	0.1049E-02	30	0- 30	0.3581E-02	90-120	0.2517E-02
45-60.00	0.2029E-01	-7.5 TO 22.5	0.1021E-02	82.5-112.5	0.5819E-03	45	0- 30	0.2604E-02	90-120	0.1546E-02
60-75.00	0.2362E-01	-7.5 TO 22.5	0.4789E-03	82.5-112.5	0.1829E-03	60	0- 30	0.1476E-02	90-120	0.6808E-03
75-88.85	0.2339E-01	-7.5 TO 22.5	0.7376E-04	82.5-112.5	0.1451E-05	75	0- 30	0.4585E-03	90-120	0.1467E-04
0-15.00	0.5007E-02	-7.5 TO 37.5	0.2017E-02	82.5-127.5	0.1791E-02	0	0- 45	0.5748E-02	90-135	0.5748E-02
15-30.00	0.1468E-01	-7.5 TO 37.5	0.1917E-02	82.5-127.5	0.1465E-02	15	0- 45	0.6037E-02	90-135	0.4986E-02
30-45.00	0.2335E-01	-7.5 TO 37.5	0.1537E-02	82.5-127.5	0.1004E-02	30	0- 45	0.5289E-02	90-135	0.3650E-02
45-60.00	0.3043E-01	-7.5 TO 37.5	0.1003E-02	82.5-127.5	0.5459E-03	45	0- 45	0.3820E-02	90-135	0.2204E-02
60-75.00	0.3544E-01	-7.5 TO 37.5	0.4656E-03	82.5-127.5	0.1619E-03	60	0- 45	0.2146E-02	90-135	0.9426E-03
75-88.85	0.3509E-01	-7.5 TO 37.5	0.6848E-04	82.5-127.5	0.9751E-06	75	0- 45	0.6455E-03	90-135	0.1482E-04
0-15.00	0.6675E-02	-7.5 TO 52.5	0.2006E-02	82.5-142.5	0.1771E-02	0	0- 60	0.7665E-02	90-150	0.7665E-02
15-30.00	0.1957E-01	-7.5 TO 52.5	0.1893E-02	82.5-142.5	0.1429E-02	15	0- 60	0.7964E-02	90-150	0.6545E-02
30-45.00	0.3113E-01	-7.5 TO 52.5	0.1507E-02	82.5-142.5	0.9647E-03	30	0- 60	0.6909E-02	90-150	0.4720E-02
45-60.00	0.4057E-01	-7.5 TO 52.5	0.9751E-03	82.5-142.5	0.5149E-03	45	0- 60	0.4946E-02	90-150	0.2808E-02
60-75.00	0.4725E-01	-7.5 TO 52.5	0.4464E-03	82.5-142.5	0.1445E-03	60	0- 60	0.2746E-02	90-150	0.1169E-02
75-88.85	0.4679E-01	-7.5 TO 52.5	0.6150E-04	82.5-142.5	0.7335E-06	75	0- 60	0.7894E-03	90-150	0.1491E-04
0-15.00	0.8344E-02	-7.5 TO 67.5	0.1990E-02	82.5-157.5	0.1754E-02	0	0- 75	0.9581E-02	90-165	0.9581E-02
15-30.00	0.2446E-01	-7.5 TO 67.5	0.1861E-02	82.5-157.5	0.1397E-02	15	0- 75	0.9826E-02	90-165	0.8073E-02
30-45.00	0.3892E-01	-7.5 TO 67.5	0.1468E-02	82.5-157.5	0.9311E-03	30	0- 75	0.8427E-02	90-165	0.5749E-02
45-60.00	0.5072E-01	-7.5 TO 67.5	0.9412E-03	82.5-157.5	0.4889E-03	45	0- 75	0.5968E-02	90-165	0.3376E-02
60-75.00	0.5906E-01	-7.5 TO 67.5	0.4228E-03	82.5-157.5	0.1308E-03	60	0- 75	0.3267E-02	90-165	0.1373E-02
75-88.85	0.5848E-01	-7.5 TO 67.5	0.5378E-04	82.5-157.5	0.5880E-06	75	0- 75	0.8865E-03	90-165	0.1497E-04
0-15.00	0.1001E-01	-7.5 TO 82.5	0.1973E-02	82.5-172.5	0.1739E-02	0	0- 90	0.1150E-01	90-180	0.1150E-01
15-30.00	0.2936E-01	-7.5 TO 82.5	0.1825E-02	82.5-172.5	0.1372E-02	15	0- 90	0.1162E-01	90-180	0.9585E-02
30-45.00	0.4671E-01	-7.5 TO 82.5	0.1425E-02	82.5-172.5	0.9037E-03	30	0- 90	0.9837E-02	90-180	0.6757E-02
45-60.00	0.6086E-01	-7.5 TO 82.5	0.9030E-03	82.5-172.5	0.4679E-03	45	0- 90	0.6884E-02	90-180	0.3926E-02
60-75.00	0.7087E-01	-7.5 TO 82.5	0.3967E-03	82.5-172.5	0.1202E-03	60	0- 90	0.3709E-02	90-180	0.1566E-02
75-88.85	0.7018E-01	-7.5 TO 82.5	0.4632E-04	82.5-172.5	0.4907E-06	75	0- 90	0.9389E-03	90-180	0.1503E-04
0-15.00	0.1168E-01	-7.5 TO 97.5	0.1953E-02	82.5-187.5	0.1728E-02	0	0-105	0.1341E-01	90-195	0.1341E-01
15-30.00	0.3425E-01	-7.5 TO 97.5	0.1786E-02	82.5-187.5	0.1352E-02	15	0-105	0.1334E-01	90-195	0.1110E-01
30-45.00	0.5448E-01	-7.5 TO 97.5	0.1378E-02	82.5-187.5	0.8828E-03	30	0-105	0.1114E-01	90-195	0.7765E-02
45-60.00	0.7100E-01	-7.5 TO 97.5	0.8629E-03	82.5-187.5	0.4519E-03	45	0-105	0.7701E-02	90-195	0.4476E-02
60-75.00	0.8269E-01	-7.5 TO 97.5	0.3697E-03	82.5-187.5	0.1163E-03	60	0-105	0.4080E-02	90-195	0.1759E-02
75-88.85	0.8188E-01	-7.5 TO 97.5	0.4008E-04	82.5-187.5	0.4212E-06	75	0-105	0.9528E-03	90-195	0.1508E-04

r_2/r_1 = 0.90 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5190 $\cosh \mu_2$ = 2.7567 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 83.41

0-15.00	0.1669E-02	-7.5 TO 7.5	0.2277E-02	82.5- 97.5	0.2020E-02	0	0- 15	0.2107E-02	90-105	0.2107E-02
15-30.00	0.4893E-02	-7.5 TO 7.5	0.2238E-02	82.5- 97.5	0.1711E-02	15	0- 15	0.2312E-02	90-105	0.1891E-02
30-45.00	0.7783E-02	-7.5 TO 7.5	0.1857E-02	82.5- 97.5	0.1220E-02	30	0- 15	0.2111E-02	90-105	0.1433E-02
45-60.00	0.1014E-01	-7.5 TO 7.5	0.1254E-02	82.5- 97.5	0.6962E-03	45	0- 15	0.1585E-02	90-105	0.8997E-03
60-75.00	0.1181E-01	-7.5 TO 7.5	0.6123E-03	82.5- 97.5	0.2359E-03	60	0- 15	0.9307E-03	90-105	0.4113E-03
75-88.85	0.1170E-01	-7.5 TO 7.5	0.1111E-03	82.5- 97.5	0.3054E-05	75	0- 15	0.3154E-03	90-105	0.1690E-04
0-15.00	0.3338E-02	-7.5 TO 22.5	0.2273E-02	82.5-112.5	0.1939E-02	0	0- 30	0.4214E-02	90-120	0.4214E-02
15-30.00	0.9786E-02	-7.5 TO 22.5	0.2228E-02	82.5-112.5	0.1653E-02	15	0- 30	0.4597E-02	90-120	0.3696E-02
30-45.00	0.1557E-01	-7.5 TO 22.5	0.1844E-02	82.5-112.5	0.1154E-02	30	0- 30	0.4175E-02	90-120	0.2742E-02
45-60.00	0.2029E-01	-7.5 TO 22.5	0.1242E-02	82.5-112.5	0.6435E-03	45	0- 30	0.3120E-02	90-120	0.1686E-02
60-75.00	0.2362E-01	-7.5 TO 22.5	0.6038E-03	82.5-112.5	0.2047E-03	60	0- 30	0.1821E-02	90-120	0.7453E-03
75-88.85	0.2339E-01	-7.5 TO 22.5	0.1073E-03	82.5-112.5	0.1763E-05	75	0- 30	0.6053E-03	90-120	0.1764E-04
0-15.00	0.5007E-02	-7.5 TO 37.5	0.2262E-02	82.5-127.5	0.1960E-02	0	0- 45	0.6320E-02	90-135	0.6320E-02
15-30.00	0.1468E-01	-7.5 TO 37.5	0.2205E-02	82.5-127.5	0.1599E-02	15	0- 45	0.6830E-02	90-135	0.5427E-02
30-45.00	0.2335E-01	-7.5 TO 37.5	0.1816E-02	82.5-127.5	0.1095E-02	30	0- 45	0.6151E-02	90-135	0.3949E-02
45-60.00	0.3043E-01	-7.5 TO 37.5	0.1216E-02	82.5-127.5	0.5974E-03	45	0- 45	0.4561E-02	90-135	0.2381E-02
60-75.00	0.3544E-01	-7.5 TO 37.5	0.5952E-03	82.5-127.5	0.1788E-03	60	0- 45	0.2636E-02	90-135	0.1021E-02
75-88.85	0.3509E-01	-7.5 TO 37.5	0.9925E-04	82.5-127.5	0.1183E-05	75	0- 45	0.8488E-03	90-135	0.1779E-04
0-15.00	0.6675E-02	-7.5 TO 52.5	0.2247E-02	82.5-142.5	0.1934E-02	0	0- 60	0.8427E-02	90-150	0.8427E-02
15-30.00	0.1957E-01	-7.5 TO 52.5	0.2172E-02	82.5-142.5	0.1551E-02	15	0- 60	0.8990E-02	90-150	0.7101E-02
30-45.00	0.3113E-01	-7.5 TO 52.5	0.1773E-02	82.5-142.5	0.1045E-02	30	0- 60	0.8006E-02	90-150	0.5078E-02
45-60.00	0.4057E-01	-7.5 TO 52.5	0.1177E-02	82.5-142.5	0.5585E-03	45	0- 60	0.5876E-02	90-150	0.3011E-02
60-75.00	0.4725E-01	-7.5 TO 52.5	0.5583E-03	82.5-142.5	0.1581E-03	60	0- 60	0.3353E-02	90-150	0.1256E-02
75-88.85	0.4679E-01	-7.5 TO 52.5	0.8873E-04	82.5-142.5	0.8896E-06	75	0- 60	0.1033E-02	90-150	0.1788E-04
0-15.00	0.8344E-02	-7.5 TO 67.5	0.2226E-02	82.5-157.5	0.1911E-02	0	0- 75	0.1053E-01	90-165	0.1053E-01
15-30.00	0.2446E-01	-7.5 TO 67.5	0.2129E-02	82.5-157.5	0.1510E-02	15	0- 75	0.1107E-01	90-165	0.8735E-02
30-45.00	0.3892E-01	-7.5 TO 67.5	0.1721E-02	82.5-157.5	0.1002E-02	30	0- 75	0.9722E-02	90-165	0.6157E-02
45-60.00	0.5072E-01	-7.5 TO 67.5	0.1130E-02	82.5-157.5	0.5264E-03	45	0- 75	0.7050E-02	90-165	0.3599E-02
60-75.00	0.5906E-01	-7.5 TO 67.5	0.5257E-03	82.5-157.5	0.1421E-03	60	0- 75	0.3963E-02	90-165	0.1465E-02
75-88.85	0.5848E-01	-7.5 TO 67.5	0.7738E-04	82.5-157.5	0.7128E-06	75	0- 75	0.1156E-02	90-165	0.1794E-04
0-15.00	0.1001E-01	-7.5 TO 82.5	0.2203E-02	82.5-172.5	0.1893E-02	0	0- 90	0.1264E-01	90-180	0.1264E-01
15-30.00	0.2936E-01	-7.5 TO 82.5	0.2081E-02	82.5-172.5	0.1477E-02	15	0- 90	0.1305E-01	90-180	0.1035E-01
30-45.00	0.4671E-01	-7.5 TO 82.5	0.1661E-02	82.5-172.5	0.9678E-03	30	0- 90	0.1129E-01	90-180	0.7209E-02
45-60.00	0.6086E-01	-7.5 TO 82.5	0.1078E-02	82.5-172.5	0.5009E-03	45	0- 90	0.8082E-02	90-180	0.4166E-02
60-75.00	0.7087E-01	-7.5 TO 82.5	0.4901E-03	82.5-172.5	0.1298E-03	60	0- 90	0.4468E-02	90-180	0.1662E-02
75-88.85	0.7018E-01	-7.5 TO 82.5	0.6659E-04	82.5-172.5	0.5947E-06	75	0- 90	0.1220E-02	90-180	0.1800E-04
0-15.00	0.1168E-01	-7.5 TO 97.5	0.2177E-02	82.5-187.5	0.1878E-02	0	0-105	0.1475E-01	90-195	0.1475E-01
15-30.00	0.3425E-01	-7.5 TO 97.5	0.2028E-02	82.5-187.5	0.1452E-02	15	0-105	0.1494E-01	90-195	0.1196E-01
30-45.00	0.5448E-01	-7.5 TO 97.5	0.1598E-02	82.5-187.5	0.9417E-03	30	0-105	0.1273E-01	90-195	0.8261E-02
45-60.00	0.7100E-01	-7.5 TO 97.5	0.1023E-02	82.5-187.5	0.4815E-03	45	0-105	0.8982E-02	90-195	0.4733E-02
60-75.00	0.8269E-01	-7.5 TO 97.5	0.4538E-03	82.5-187.5	0.1206E-03	60	0-105	0.4879E-02	90-195	0.1859E-02
75-88.85	0.8188E-01	-7.5 TO 97.5	0.5754E-04	82.5-187.5	0.5104E-06	75	0-105	0.1237E-02	90-195	0.1805E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5190 $\cosh \mu_2$ = 2.7567 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 68.73

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1669E-02	-7.5 TO 7.5	0.2292E-02	82.5- 97.5	0.2023E-02	0	0- 15	0.2109E-02	90-105	0.2109E-02
15-30.00	0.4893E-02	-7.5 TO 7.5	0.2277E-02	82.5- 97.5	0.1714E-02	15	0- 15	0.2334E-02	90-105	0.1892E-02
30-45.00	0.7783E-02	-7.5 TO 7.5	0.1919E-02	82.5- 97.5	0.1223E-02	30	0- 15	0.2162E-02	90-105	0.1434E-02
45-60.00	0.1014E-01	-7.5 TO 7.5	0.1318E-02	82.5- 97.5	0.6988E-03	45	0- 15	0.1652E-02	90-105	0.9007E-03
60-75.00	0.1181E-01	-7.5 TO 7.5	0.6560E-03	82.5- 97.5	0.2373E-03	60	0- 15	0.9873E-03	90-105	0.4120E-03
75-88.85	0.1170E-01	-7.5 TO 7.5	0.1249E-03	82.5- 97.5	0.3093E-05	75	0- 15	0.3439E-03	90-105	0.1701E-04
0-15.00	0.3338E-02	-7.5 TO 22.5	0.2287E-02	82.5-112.5	0.1991E-02	0	0- 30	0.4219E-02	90-120	0.4219E-02
15-30.00	0.9786E-02	-7.5 TO 22.5	0.2266E-02	82.5-112.5	0.1654E-02	15	0- 30	0.4640E-02	90-120	0.3698E-02
30-45.00	0.1557E-01	-7.5 TO 22.5	0.1904E-02	82.5-112.5	0.1156E-02	30	0- 30	0.4272E-02	90-120	0.2744E-02
45-60.00	0.2029E-01	-7.5 TO 22.5	0.1304E-02	82.5-112.5	0.6449E-03	45	0- 30	0.3245E-02	90-120	0.1687E-02
60-75.00	0.2362E-01	-7.5 TO 22.5	0.6460E-03	82.5-112.5	0.2054E-03	60	0- 30	0.1927E-02	90-120	0.7460E-03
75-88.85	0.2339E-01	-7.5 TO 22.5	0.1205E-03	82.5-112.5	0.1783E-05	75	0- 30	0.6579E-03	90-120	0.1775E-04
0-15.00	0.5007E-02	-7.5 TO 37.5	0.2276E-02	82.5-127.5	0.1962E-02	0	0- 45	0.6328E-02	90-135	0.6328E-02
15-30.00	0.1468E-01	-7.5 TO 37.5	0.2241E-02	82.5-127.5	0.1600E-02	15	0- 45	0.6889E-02	90-135	0.5429E-02
30-45.00	0.2335E-01	-7.5 TO 37.5	0.1872E-02	82.5-127.5	0.1097E-02	30	0- 45	0.6283E-02	90-135	0.3950E-02
45-60.00	0.3043E-01	-7.5 TO 37.5	0.1273E-02	82.5-127.5	0.5984E-03	45	0- 45	0.4731E-02	90-135	0.2382E-02
60-75.00	0.3544E-01	-7.5 TO 37.5	0.6242E-03	82.5-127.5	0.1793E-03	60	0- 45	0.2778E-02	90-135	0.1022E-02
75-88.85	0.3509E-01	-7.5 TO 37.5	0.1111E-03	82.5-127.5	0.1197E-05	75	0- 45	0.9185E-03	90-135	0.1790E-04
0-15.00	0.6675E-02	-7.5 TO 52.5	0.2259E-02	82.5-142.5	0.1935E-02	0	0- 60	0.8437E-02	90-150	0.8437E-02
15-30.00	0.1957E-01	-7.5 TO 52.5	0.2204E-02	82.5-142.5	0.1552E-02	15	0- 60	0.9061E-02	90-150	0.7103E-02
30-45.00	0.3113E-01	-7.5 TO 52.5	0.1824E-02	82.5-142.5	0.1046E-02	30	0- 60	0.8162E-02	90-150	0.5080E-02
45-60.00	0.4057E-01	-7.5 TO 52.5	0.1229E-02	82.5-142.5	0.5592E-03	45	0- 60	0.6075E-02	90-150	0.3012E-02
60-75.00	0.4725E-01	-7.5 TO 52.5	0.5931E-03	82.5-142.5	0.1585E-03	60	0- 60	0.3519E-02	90-150	0.1256E-02
75-88.85	0.4679E-01	-7.5 TO 52.5	0.9883E-04	82.5-142.5	0.8997E-06	75	0- 60	0.1113E-02	90-150	0.1799E-04
0-15.00	0.8344E-02	-7.5 TO 67.5	0.2238E-02	82.5-157.5	0.1912E-02	0	0- 75	0.1055E-01	90-165	0.1055E-01
15-30.00	0.2446E-01	-7.5 TO 67.5	0.2158E-02	82.5-157.5	0.1511E-02	15	0- 75	0.1114E-01	90-165	0.8737E-02
30-45.00	0.3892E-01	-7.5 TO 67.5	0.1766E-02	82.5-157.5	0.1003E-02	30	0- 75	0.9891E-02	90-165	0.6158E-02
45-60.00	0.5072E-01	-7.5 TO 67.5	0.1176E-02	82.5-157.5	0.5270E-03	45	0- 75	0.7265E-02	90-165	0.3600E-02
60-75.00	0.5906E-01	-7.5 TO 67.5	0.5560E-03	82.5-157.5	0.1424E-03	60	0- 75	0.4141E-02	90-165	0.1466E-02
75-88.85	0.5848E-01	-7.5 TO 67.5	0.8588E-04	82.5-157.5	0.7209E-06	75	0- 75	0.1239E-02	90-165	0.1805E-04
0-15.00	0.1001E-01	-7.5 TO 82.5	0.2213E-02	82.5-172.5	0.1893E-02	0	0- 90	0.1266E-01	90-180	0.1266E-01
15-30.00	0.2936E-01	-7.5 TO 82.5	0.2106E-02	82.5-172.5	0.1478E-02	15	0- 90	0.1313E-01	90-180	0.1035E-01
30-45.00	0.4670E-01	-7.5 TO 82.5	0.1700E-02	82.5-172.5	0.9684E-03	30	0- 90	0.1147E-01	90-180	0.7210E-02
45-60.00	0.6086E-01	-7.5 TO 82.5	0.1118E-02	82.5-172.5	0.5014E-03	45	0- 90	0.8302E-02	90-180	0.4167E-02
60-75.00	0.7087E-01	-7.5 TO 82.5	0.5162E-03	82.5-172.5	0.1301E-03	60	0- 90	0.4650E-02	90-180	0.1663E-02
75-88.85	0.7018E-01	-7.5 TO 82.5	0.7376E-04	82.5-172.5	0.6015E-06	75	0- 90	0.1305E-02	90-180	0.1811E-04
0-15.00	0.1168E-01	-7.5 TO 97.5	0.2186E-02	82.5-187.5	0.1879E-02	0	0-105	0.1477E-01	90-195	0.1477E-01
15-30.00	0.3425E-01	-7.5 TO 97.5	0.2050E-02	82.5-187.5	0.1452E-02	15	0-105	0.1502E-01	90-195	0.1196E-01
30-45.00	0.5448E-01	-7.5 TO 97.5	0.1632E-02	82.5-187.5	0.9422E-03	30	0-105	0.1290E-01	90-195	0.8263E-02
45-60.00	0.7100E-01	-7.5 TO 97.5	0.1058E-02	82.5-187.5	0.4819E-03	45	0-105	0.9203E-02	90-195	0.4734E-02
60-75.00	0.8269E-01	-7.5 TO 97.5	0.4763E-03	82.5-187.5	0.1208E-03	60	0-105	0.5062E-02	90-195	0.1860E-02
75-88.85	0.8188E-01	-7.5 TO 97.5	0.6370E-04	82.5-187.5	0.5162E-06	75	0-105	0.1322E-02	90-195	0.1816E-04

r_2/r_1 = 0.90 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5190 $\cosh \mu_2$ = 2.7567 $\alpha_{2,max}$ = 91.15 $\theta_{2,min}$ = 67.67

0-15.00	0.1669E-02	-7.5 TO 7.5	0.2292E-02	82.5- 97.5	0.2023E-02	0	0- 15	0.2109E-02	90-105	0.2109E-02
15-30.00	0.4893E-02	-7.5 TO 7.5	0.2277E-02	82.5- 97.5	0.1714E-02	15	0- 15	0.2334E-02	90-105	0.1892E-02
30-45.00	0.7783E-02	-7.5 TO 7.5	0.1919E-02	82.5- 97.5	0.1223E-02	30	0- 15	0.2162E-02	90-105	0.1434E-02
45-60.00	0.1014E-01	-7.5 TO 7.5	0.1318E-02	82.5- 97.5	0.6988E-03	45	0- 15	0.1652E-02	90-105	0.9007E-03
60-75.00	0.1181E-01	-7.5 TO 7.5	0.6560E-03	82.5- 97.5	0.2373E-03	60	0- 15	0.9873E-03	90-105	0.4120E-03
75-88.85	0.1170E-01	-7.5 TO 7.5	0.1250E-03	82.5- 97.5	0.3093E-05	75	0- 15	0.3439E-03	90-105	0.1701E-04
0-15.00	0.3338E-02	-7.5 TO 22.5	0.2287E-02	82.5-112.5	0.1991E-02	0	0- 30	0.4219E-02	90-120	0.4219E-02
15-30.00	0.9786E-02	-7.5 TO 22.5	0.2266E-02	82.5-112.5	0.1654E-02	15	0- 30	0.4640E-02	90-120	0.3698E-02
30-45.00	0.1557E-01	-7.5 TO 22.5	0.1904E-02	82.5-112.5	0.1156E-02	30	0- 30	0.4272E-02	90-120	0.2744E-02
45-60.00	0.2029E-01	-7.5 TO 22.5	0.1304E-02	82.5-112.5	0.6449E-03	45	0- 30	0.3245E-02	90-120	0.1687E-02
60-75.00	0.2362E-01	-7.5 TO 22.5	0.6461E-03	82.5-112.5	0.2054E-03	60	0- 30	0.1927E-02	90-120	0.7460E-03
75-88.85	0.2339E-01	-7.5 TO 22.5	0.1205E-03	82.5-112.5	0.1783E-05	75	0- 30	0.6579E-03	90-120	0.1775E-04
0-15.00	0.5007E-02	-7.5 TO 37.5	0.2276E-02	82.5-127.5	0.1962E-02	0	0- 45	0.6328E-02	90-135	0.6328E-02
15-30.00	0.1468E-01	-7.5 TO 37.5	0.2241E-02	82.5-127.5	0.1600E-02	15	0- 45	0.6889E-02	90-135	0.5429E-02
30-45.00	0.2335E-01	-7.5 TO 37.5	0.1872E-02	82.5-127.5	0.1097E-02	30	0- 45	0.6283E-02	90-135	0.3950E-02
45-60.00	0.3043E-01	-7.5 TO 37.5	0.1273E-02	82.5-127.5	0.5984E-03	45	0- 45	0.4731E-02	90-135	0.2382E-02
60-75.00	0.3544E-01	-7.5 TO 37.5	0.6242E-03	82.5-127.5	0.1793E-03	60	0- 45	0.2778E-02	90-135	0.1022E-02
75-88.85	0.3509E-01	-7.5 TO 37.5	0.1111E-03	82.5-127.5	0.1197E-05	75	0- 45	0.9186E-03	90-135	0.1790E-04
0-15.00	0.6675E-02	-7.5 TO 52.5	0.2259E-02	82.5-142.5	0.1935E-02	0	0- 60	0.8437E-02	90-150	0.8437E-02
15-30.00	0.1957E-01	-7.5 TO 52.5	0.2204E-02	82.5-142.5	0.1552E-02	15	0- 60	0.9061E-02	90-150	0.7103E-02
30-45.00	0.3113E-01	-7.5 TO 52.5	0.1824E-02	82.5-142.5	0.1046E-02	30	0- 60	0.8162E-02	90-150	0.5080E-02
45-60.00	0.4057E-01	-7.5 TO 52.5	0.1229E-02	82.5-142.5	0.5592E-03	45	0- 60	0.6075E-02	90-150	0.3012E-02
60-75.00	0.4725E-01	-7.5 TO 52.5	0.5931E-03	82.5-142.5	0.1585E-03	60	0- 60	0.3519E-02	90-150	0.1256E-02
75-88.85	0.4679E-01	-7.5 TO 52.5	0.9884E-04	82.5-142.5	0.8997E-06	75	0- 60	0.1113E-02	90-150	0.1799E-04
0-15.00	0.8344E-02	-7.5 TO 67.5	0.2238E-02	82.5-157.5	0.1912E-02	0	0- 75	0.1055E-01	90-165	0.1055E-01
15-30.00	0.2446E-01	-7.5 TO 67.5	0.2158E-02	82.5-157.5	0.1511E-02	15	0- 75	0.1114E-01	90-165	0.8737E-02
30-45.00	0.3892E-01	-7.5 TO 67.5	0.1766E-02	82.5-157.5	0.1003E-02	30	0- 75	0.9891E-02	90-165	0.6158E-02
45-60.00	0.5072E-01	-7.5 TO 67.5	0.1176E-02	82.5-157.5	0.5270E-03	45	0- 75	0.7265E-02	90-165	0.3600E-02
60-75.00	0.5906E-01	-7.5 TO 67.5	0.5560E-03	82.5-157.5	0.1424E-03	60	0- 75	0.4141E-02	90-165	0.1466E-02
75-88.85	0.5848E-01	-7.5 TO 67.5	0.8589E-04	82.5-157.5	0.7209E-06	75	0- 75	0.1239E-02	90-165	0.1805E-04
0-15.00	0.1001E-01	-7.5 TO 82.5	0.2213E-02	82.5-172.5	0.1893E-02	0	0- 90	0.1266E-01	90-180	0.1266E-01
15-30.00	0.2936E-01	-7.5 TO 82.5	0.2106E-02	82.5-172.5	0.1478E-02	15	0- 90	0.1313E-01	90-180	0.1035E-01
30-45.00	0.4670E-01	-7.5 TO 82.5	0.1700E-02	82.5-172.5	0.9684E-03	30	0- 90	0.1147E-01	90-180	0.7210E-02
45-60.00	0.6086E-01	-7.5 TO 82.5	0.1118E-02	82.5-172.5	0.5014E-03	45	0- 90	0.8302E-02	90-180	0.4167E-02
60-75.00	0.7087E-01	-7.5 TO 82.5	0.5162E-03	82.5-172.5	0.1301E-03	60	0- 90	0.4650E-02	90-180	0.1663E-02
75-88.85	0.7018E-01	-7.5 TO 82.5	0.7377E-04	82.5-172.5	0.6015E-06	75	0- 90	0.1305E-02	90-180	0.1811E-04
0-15.00	0.1168E-01	-7.5 TO 97.5	0.2186E-02	82.5-187.5	0.1879E-02	0	0-105	0.1477E-01	90-195	0.1477E-01
15-30.00	0.3425E-01	-7.5 TO 97.5	0.2050E-02	82.5-187.5	0.1452E-02	15	0-105	0.1502E-01	90-195	0.1196E-01
30-45.00	0.5448E-01	-7.5 TO 97.5	0.1632E-02	82.5-187.5	0.9422E-03	30	0-105	0.1290E-01	90-195	0.8263E-02
45-60.00	0.7100E-01	-7.5 TO 97.5	0.1058E-02	82.5-187.5	0.4819E-03	45	0-105	0.9203E-02	90-195	0.4734E-02
60-75.00	0.8269E-01	-7.5 TO 97.5	0.4763E-03	82.5-187.5	0.1208E-03	60	0-105	0.5062E-02	90-195	0.1860E-02
75-88.85	0.8188E-01	-7.5 TO 97.5	0.6371E-04	82.5-187.5	0.5162E-06	75	0-105	0.1322E-02	90-195	0.1816E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

$r_2/r_1 = 0.90$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5136$ $\cosh \mu_2 = 3.8738$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 160.54$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7863E-03	-7.5 TO 7.5	0.8420E-04	82.5- 97.5	0.8293E-04	0	0- 15	0.8571E-04	90-105	0.8571E-04
15-30.00	0.2305E-02	-7.5 TO 7.5	0.7524E-04	82.5- 97.5	0.7265E-04	15	0- 15	0.8204E-04	90-105	0.7996E-04
30-45.00	0.3667E-02	-7.5 TO 7.5	0.5843E-04	82.5- 97.5	0.5518E-04	30	0- 15	0.6847E-04	90-105	0.6504E-04
45-60.00	0.4779E-02	-7.5 TO 7.5	0.3790E-04	82.5- 97.5	0.3482E-04	45	0- 15	0.4886E-04	90-105	0.4517E-04
60-75.00	0.5565E-02	-7.5 TO 7.5	0.1750E-04	82.5- 97.5	0.1512E-04	60	0- 15	0.2767E-04	90-105	0.2454E-04
75-89.18	0.5643E-02	-7.5 TO 7.5	0.2000E-05	82.5- 97.5	0.1234E-05	75	0- 15	0.8109E-05	90-105	0.5933E-05
0-15.00	0.1573E-02	-7.5 TO 22.5	0.8418E-04	82.5-112.5	0.8277E-04	0	0- 30	0.1714E-03	90-120	0.1714E-03
15-30.00	0.4611E-02	-7.5 TO 22.5	0.7520E-04	82.5-112.5	0.7232E-04	15	0- 30	0.1640E-03	90-120	0.1594E-03
30-45.00	0.7334E-02	-7.5 TO 22.5	0.5837E-04	82.5-112.5	0.5477E-04	30	0- 30	0.1367E-03	90-120	0.1293E-03
45-60.00	0.9558E-02	-7.5 TO 22.5	0.3785E-04	82.5-112.5	0.3443E-04	45	0- 30	0.9749E-04	90-120	0.8953E-04
60-75.00	0.1113E-01	-7.5 TO 22.5	0.1746E-04	82.5-112.5	0.1483E-04	60	0- 30	0.5514E-04	90-120	0.4841E-04
75-89.18	0.1129E-01	-7.5 TO 22.5	0.1984E-05	82.5-112.5	0.1147E-05	75	0- 30	0.1608E-04	90-120	0.1141E-04
0-15.00	0.2359E-02	-7.5 TO 37.5	0.8413E-04	82.5-127.5	0.8261E-04	0	0- 45	0.2571E-03	90-135	0.2571E-03
15-30.00	0.6916E-02	-7.5 TO 37.5	0.7509E-04	82.5-127.5	0.7201E-04	15	0- 45	0.2456E-03	90-135	0.2385E-03
30-45.00	0.1100E-01	-7.5 TO 37.5	0.5824E-04	82.5-127.5	0.5438E-04	30	0- 45	0.2046E-03	90-135	0.1930E-03
45-60.00	0.1434E-01	-7.5 TO 37.5	0.3772E-04	82.5-127.5	0.3407E-04	45	0- 45	0.1457E-03	90-135	0.1332E-03
60-75.00	0.1670E-01	-7.5 TO 37.5	0.1736E-04	82.5-127.5	0.1456E-04	60	0- 45	0.8224E-04	90-135	0.7168E-04
75-89.18	0.1693E-01	-7.5 TO 37.5	0.1948E-05	82.5-127.5	0.1065E-05	75	0- 45	0.2379E-04	90-135	0.1648E-04
0-15.00	0.3145E-02	-7.5 TO 52.5	0.8405E-04	82.5-142.5	0.8247E-04	0	0- 60	0.3428E-03	90-150	0.3428E-03
15-30.00	0.9221E-02	-7.5 TO 52.5	0.7494E-04	82.5-142.5	0.7172E-04	15	0- 60	0.3270E-03	90-150	0.3173E-03
30-45.00	0.1467E-01	-7.5 TO 52.5	0.5805E-04	82.5-142.5	0.5403E-04	30	0- 60	0.2719E-03	90-150	0.2561E-03
45-60.00	0.1912E-01	-7.5 TO 52.5	0.3754E-04	82.5-142.5	0.3374E-04	45	0- 60	0.1933E-03	90-150	0.1763E-03
60-75.00	0.2226E-01	-7.5 TO 52.5	0.1722E-04	82.5-142.5	0.1431E-04	60	0- 60	0.1088E-03	90-150	0.9449E-04
75-89.18	0.2257E-01	-7.5 TO 52.5	0.1896E-05	82.5-142.5	0.9903E-06	75	0- 60	0.3113E-04	90-150	0.2123E-04
0-15.00	0.3931E-02	-7.5 TO 67.5	0.8395E-04	82.5-157.5	0.8235E-04	0	0- 75	0.4285E-03	90-165	0.4285E-03
15-30.00	0.1153E-01	-7.5 TO 67.5	0.7474E-04	82.5-157.5	0.7147E-04	15	0- 75	0.4079E-03	90-165	0.3958E-03
30-45.00	0.1834E-01	-7.5 TO 67.5	0.5780E-04	82.5-157.5	0.5372E-04	30	0- 75	0.3384E-03	90-165	0.3188E-03
45-60.00	0.2390E-01	-7.5 TO 67.5	0.3730E-04	82.5-157.5	0.3345E-04	45	0- 75	0.2401E-03	90-165	0.2190E-03
60-75.00	0.2783E-01	-7.5 TO 67.5	0.1703E-04	82.5-157.5	0.1409E-04	60	0- 75	0.1348E-03	90-165	0.1170E-03
75-89.18	0.2821E-01	-7.5 TO 67.5	0.1834E-05	82.5-157.5	0.9255E-06	75	0- 75	0.3803E-04	90-165	0.2575E-04
0-15.00	0.4718E-02	-7.5 TO 82.5	0.8384E-04	82.5-172.5	0.8224E-04	0	0- 90	0.5143E-03	90-180	0.5143E-03
15-30.00	0.1383E-01	-7.5 TO 82.5	0.7450E-04	82.5-172.5	0.7126E-04	15	0- 90	0.4883E-03	90-180	0.4742E-03
30-45.00	0.2200E-01	-7.5 TO 82.5	0.5750E-04	82.5-172.5	0.5346E-04	30	0- 90	0.4043E-03	90-180	0.3813E-03
45-60.00	0.2867E-01	-7.5 TO 82.5	0.3701E-04	82.5-172.5	0.3321E-04	45	0- 90	0.2861E-03	90-180	0.2615E-03
60-75.00	0.3339E-01	-7.5 TO 82.5	0.1681E-04	82.5-172.5	0.1391E-04	60	0- 90	0.1600E-03	90-180	0.1393E-03
75-89.18	0.3386E-01	-7.5 TO 82.5	0.1764E-05	82.5-172.5	0.8719E-06	75	0- 90	0.4445E-04	90-180	0.3016E-04
0-15.00	0.5504E-02	-7.5 TO 97.5	0.8371E-04	82.5-187.5	0.8216E-04	0	0-105	0.6000E-03	90-195	0.6000E-03
15-30.00	0.1614E-01	-7.5 TO 97.5	0.7424E-04	82.5-187.5	0.7110E-04	15	0-105	0.5683E-03	90-195	0.5525E-03
30-45.00	0.2567E-01	-7.5 TO 97.5	0.5717E-04	82.5-187.5	0.5326E-04	30	0-105	0.4693E-03	90-195	0.4438E-03
45-60.00	0.3345E-01	-7.5 TO 97.5	0.3670E-04	82.5-187.5	0.3303E-04	45	0-105	0.3313E-03	90-195	0.3039E-03
60-75.00	0.3896E-01	-7.5 TO 97.5	0.1657E-04	82.5-187.5	0.1377E-04	60	0-105	0.1845E-03	90-195	0.1616E-03
75-89.18	0.3950E-01	-7.5 TO 97.5	0.1688E-05	82.5-187.5	0.8306E-06	75	0-105	0.5038E-04	90-195	0.3657E-04

$r_2/r_1 = 0.90$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5136$ $\cosh \mu_2 = 3.8738$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 141.53$

0-15.00	0.7863E-03	-7.5 TO 7.5	0.3064E-03	82.5- 97.5	0.2974E-03	0	0- 15	0.3073E-03	90-105	0.3073E-03
15-30.00	0.2305E-02	-7.5 TO 7.5	0.2792E-03	82.5- 97.5	0.2608E-03	15	0- 15	0.3007E-03	90-105	0.2860E-03
30-45.00	0.3667E-02	-7.5 TO 7.5	0.2218E-03	82.5- 97.5	0.1984E-03	30	0- 15	0.2567E-03	90-105	0.2323E-03
45-60.00	0.4779E-02	-7.5 TO 7.5	0.1478E-03	82.5- 97.5	0.1255E-03	45	0- 15	0.1877E-03	90-105	0.1612E-03
60-75.00	0.5565E-02	-7.5 TO 7.5	0.7200E-04	82.5- 97.5	0.5479E-04	60	0- 15	0.1100E-03	90-105	0.8747E-04
75-89.18	0.5643E-02	-7.5 TO 7.5	0.1082E-04	82.5- 97.5	0.4561E-05	75	0- 15	0.3656E-04	90-105	0.2088E-04
0-15.00	0.1573E-02	-7.5 TO 22.5	0.3062E-03	82.5-112.5	0.2963E-03	0	0- 30	0.6146E-03	90-120	0.6146E-03
15-30.00	0.4611E-02	-7.5 TO 22.5	0.2789E-03	82.5-112.5	0.2585E-03	15	0- 30	0.6006E-03	90-120	0.5688E-03
30-45.00	0.7334E-02	-7.5 TO 22.5	0.2213E-03	82.5-112.5	0.1956E-03	30	0- 30	0.5119E-03	90-120	0.4595E-03
45-60.00	0.9558E-02	-7.5 TO 22.5	0.1474E-03	82.5-112.5	0.1229E-03	45	0- 30	0.3737E-03	90-120	0.3169E-03
60-75.00	0.1113E-01	-7.5 TO 22.5	0.7168E-04	82.5-112.5	0.5277E-04	60	0- 30	0.2186E-03	90-120	0.1703E-03
75-89.18	0.1129E-01	-7.5 TO 22.5	0.1069E-04	82.5-112.5	0.3965E-05	75	0- 30	0.7209E-04	90-120	0.3865E-04
0-15.00	0.2359E-02	-7.5 TO 37.5	0.3059E-03	82.5-127.5	0.2952E-03	0	0- 45	0.9219E-03	90-135	0.9219E-03
15-30.00	0.6916E-02	-7.5 TO 37.5	0.2782E-03	82.5-127.5	0.2563E-03	15	0- 45	0.8987E-03	90-135	0.8487E-03
30-45.00	0.1100E-01	-7.5 TO 37.5	0.2204E-03	82.5-127.5	0.1929E-03	30	0- 45	0.7641E-03	90-135	0.6820E-03
45-60.00	0.1434E-01	-7.5 TO 37.5	0.1465E-03	82.5-127.5	0.1204E-03	45	0- 45	0.5565E-03	90-135	0.4677E-03
60-75.00	0.1670E-01	-7.5 TO 37.5	0.7097E-04	82.5-127.5	0.5090E-04	60	0- 45	0.3244E-03	90-135	0.2492E-03
75-89.18	0.1693E-01	-7.5 TO 37.5	0.1039E-04	82.5-127.5	0.3417E-05	75	0- 45	0.1057E-03	90-135	0.5376E-04
0-15.00	0.3145E-02	-7.5 TO 52.5	0.3053E-03	82.5-142.5	0.2942E-03	0	0- 60	0.1229E-02	90-150	0.1229E-02
15-30.00	0.9221E-02	-7.5 TO 52.5	0.2771E-03	82.5-142.5	0.2543E-03	15	0- 60	0.1194E-02	90-150	0.1126E-02
30-45.00	0.1467E-01	-7.5 TO 52.5	0.2190E-03	82.5-142.5	0.1905E-03	30	0- 60	0.1012E-02	90-150	0.9009E-03
45-60.00	0.1912E-01	-7.5 TO 52.5	0.1451E-03	82.5-142.5	0.1181E-03	45	0- 60	0.7348E-03	90-150	0.6147E-03
60-75.00	0.2226E-01	-7.5 TO 52.5	0.6990E-04	82.5-142.5	0.4922E-04	60	0- 60	0.4263E-03	90-150	0.3249E-03
75-89.18	0.2257E-01	-7.5 TO 52.5	0.9956E-05	82.5-142.5	0.2966E-05	75	0- 60	0.1365E-03	90-150	0.6679E-04
0-15.00	0.3931E-02	-7.5 TO 67.5	0.3046E-03	82.5-157.5	0.2933E-03	0	0- 75	0.1536E-02	90-165	0.1536E-02
15-30.00	0.1153E-01	-7.5 TO 67.5	0.2756E-03	82.5-157.5	0.2526E-03	15	0- 75	0.1487E-02	90-165	0.1402E-02
30-45.00	0.1834E-01	-7.5 TO 67.5	0.2171E-03	82.5-157.5	0.1883E-03	30	0- 75	0.1256E-02	90-165	0.1117E-02
45-60.00	0.2390E-01	-7.5 TO 67.5	0.1433E-03	82.5-157.5	0.1162E-03	45	0- 75	0.9077E-03	90-165	0.7590E-03
60-75.00	0.2783E-01	-7.5 TO 67.5	0.6853E-04	82.5-157.5	0.4776E-04	60	0- 75	0.5236E-03	90-165	0.3985E-03
75-89.18	0.2821E-01	-7.5 TO 67.5	0.9411E-05	82.5-157.5	0.2630E-05	75	0- 75	0.1642E-03	90-165	0.7838E-04
0-15.00	0.4718E-02	-7.5 TO 82.5	0.3038E-03	82.5-172.5	0.2926E-03	0	0- 90	0.1844E-02	90-180	0.1844E-02
15-30.00	0.1383E-01	-7.5 TO 82.5	0.2739E-03	82.5-172.5	0.2512E-03	15	0- 90	0.1776E-02	90-180	0.1677E-02
30-45.00	0.2200E-01	-7.5 TO 82.5	0.2150E-03	82.5-172.5	0.1866E-03	30	0- 90	0.1493E-02	90-180	0.1332E-02
45-60.00	0.2867E-01	-7.5 TO 82.5	0.1413E-03	82.5-172.5	0.1146E-03	45	0- 90	0.1075E-02	90-180	0.9020E-03
60-75.00	0.3339E-01	-7.5 TO 82.5	0.6694E-04	82.5-172.5	0.4656E-04	60	0- 90	0.6160E-03	90-180	0.4709E-03
75-89.18	0.3386E-01	-7.5 TO 82.5	0.8814E-05	82.5-172.5	0.2381E-05	75	0- 90	0.1884E-03	90-180	0.8925E-04
0-15.00	0.5504E-02	-7.5 TO 97.5	0.3029E-03	82.5-187.5	0.2921E-03	0	0-105	0.2151E-02	90-195	0.2151E-02
15-30.00	0.1614E-01	-7.5 TO 97.5	0.2721E-03	82.5-187.5	0.2501E-03	15	0-105	0.2062E-02	90-195	0.1952E-02
30-45.00	0.2561E-01	-7.5 TO 97.5	0.2126E-03	82.5-187.5	0.1852E-03	30	0-105	0.1726E-02	90-195	0.1547E-02
45-60.00	0.3345E-01	-7.5 TO 97.5	0.1390E-03	82.5-187.5	0.1133E-03	45	0-105	0.1236E-02	90-195	0.1045E-02
60-75.00	0.3896E-01	-7.5 TO 97.5	0.6520E-04	82.5-187.5	0.4564E-04	60	0-105	0.7035E-03	90-195	0.5434E-03
75-89.18	0.3950E-01	-7.5 TO 97.5	0.8207E-05	82.5-187.5	0.2196E-05	75	0-105	0.2093E-03	90-195	0.1001E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5136 $\cosh \mu_2$ = 3.8738 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 123.31

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7863E-03	-7.5 TO 7.5	0.5847E-03	82.5- 97.5	0.5600E-03	0	0- 15	0.5784E-03	90-105	0.5784E-03
15-30.00	0.2305E-02	-7.5 TO 7.5	0.5628E-03	82.5- 97.5	0.4918E-03	15	0- 15	0.5779E-03	90-105	0.5373E-03
30-45.00	0.3667E-02	-7.5 TO 7.5	0.4402E-03	82.5- 97.5	0.3751E-03	30	0- 15	0.5038E-03	90-105	0.4362E-03
45-60.00	0.4779E-02	-7.5 TO 7.5	0.3005E-03	82.5- 97.5	0.2382E-03	45	0- 15	0.3767E-03	90-105	0.3028E-03
60-75.00	0.5565E-02	-7.5 TO 7.5	0.1528E-03	82.5- 97.5	0.1047E-03	60	0- 15	0.2274E-03	90-105	0.1645E-03
75-89.18	0.5643E-02	-7.5 TO 7.5	0.2766E-04	82.5- 97.5	0.8955E-05	75	0- 15	0.8263E-04	90-105	0.3911E-04
0-15.00	0.1573E-02	-7.5 TO 22.5	0.5843E-03	82.5-112.5	0.5569E-03	0	0- 30	0.1157E-02	90-120	0.1157E-02
15-30.00	0.4611E-02	-7.5 TO 22.5	0.5419E-03	82.5-112.5	0.4855E-03	15	0- 30	0.1153E-02	90-120	0.1066E-02
30-45.00	0.7334E-02	-7.5 TO 22.5	0.4390E-03	82.5-112.5	0.3674E-03	30	0- 30	0.1003E-02	90-120	0.8583E-03
45-60.00	0.9558E-02	-7.5 TO 22.5	0.2994E-03	82.5-112.5	0.2310E-03	45	0- 30	0.7486E-03	90-120	0.5908E-03
60-75.00	0.1113E-01	-7.5 TO 22.5	0.1519E-03	82.5-112.5	0.9927E-04	60	0- 30	0.4507E-03	90-120	0.3166E-03
75-89.18	0.1129E-01	-7.5 TO 22.5	0.2721E-04	82.5-112.5	0.7393E-05	75	0- 30	0.1623E-03	90-120	0.7013E-04
0-15.00	0.2359E-02	-7.5 TO 37.5	0.5833E-03	82.5-127.5	0.5540E-03	0	0- 45	0.1735E-02	90-135	0.1735E-02
15-30.00	0.6916E-02	-7.5 TO 37.5	0.5399E-03	82.5-127.5	0.4796E-03	15	0- 45	0.1724E-02	90-135	0.1586E-02
30-45.00	0.1100E-01	-7.5 TO 37.5	0.4364E-03	82.5-127.5	0.3601E-03	30	0- 45	0.1495E-02	90-135	0.1268E-02
45-60.00	0.1434E-01	-7.5 TO 37.5	0.2968E-03	82.5-127.5	0.2243E-03	45	0- 45	0.1111E-02	90-135	0.8658E-03
60-75.00	0.1670E-01	-7.5 TO 37.5	0.1498E-03	82.5-127.5	0.9433E-04	60	0- 45	0.6659E-03	90-135	0.4584E-03
75-89.18	0.1693E-01	-7.5 TO 37.5	0.2623E-04	82.5-127.5	0.6051E-05	75	0- 45	0.2363E-03	90-135	0.9438E-04
0-15.00	0.3145E-02	-7.5 TO 52.5	0.5818E-03	82.5-142.5	0.5513E-03	0	0- 60	0.2314E-02	90-150	0.2314E-02
15-30.00	0.9221E-02	-7.5 TO 52.5	0.5368E-03	82.5-142.5	0.4742E-03	15	0- 60	0.2288E-02	90-150	0.2101E-02
30-45.00	0.1467E-01	-7.5 TO 52.5	0.4323E-03	82.5-142.5	0.3536E-03	30	0- 60	0.1975E-02	90-150	0.1668E-02
45-60.00	0.1912E-01	-7.5 TO 52.5	0.2929E-03	82.5-142.5	0.2183E-03	45	0- 60	0.1461E-02	90-150	0.1131E-02
60-75.00	0.2226E-01	-7.5 TO 52.5	0.1468E-03	82.5-142.5	0.8994E-04	60	0- 60	0.8703E-03	90-150	0.5919E-03
75-89.18	0.2257E-01	-7.5 TO 52.5	0.2489E+04	82.5-142.5	0.5090E-05	75	0- 60	0.3026E-03	90-150	0.1134E-03
0-15.00	0.3931E-02	-7.5 TO 67.5	0.5799E-03	82.5-157.5	0.5489E-03	0	0- 75	0.2892E-02	90-165	0.2892E-02
15-30.00	0.1153E-01	-7.5 TO 67.5	0.5328E-03	82.5-157.5	0.4695E-03	15	0- 75	0.2863E-02	90-165	0.2611E-02
30-45.00	0.1834E-01	-7.5 TO 67.5	0.4272E-03	82.5-157.5	0.3479E-03	30	0- 75	0.2441E-02	90-165	0.2061E-02
45-60.00	0.2390E-02	-7.5 TO 67.5	0.2879E-03	82.5-157.5	0.2132E-03	45	0- 75	0.1797E-02	90-165	0.1388E-02
60-75.00	0.2783E-01	-7.5 TO 67.5	0.1429E-03	82.5-157.5	0.8618E-04	60	0- 75	0.1062E-02	90-165	0.7199E-03
75-89.18	0.2821E-01	-7.5 TO 67.5	0.2326E-04	82.5-157.5	0.4406E-05	75	0- 75	0.3601E-03	90-165	0.1290E-03
0-15.00	0.4718E-02	-7.5 TO 82.5	0.5776E-03	82.5-172.5	0.5469E-03	0	0- 90	0.3471E-02	90-180	0.3471E-02
15-30.00	0.1383E-01	-7.5 TO 82.5	0.5281E-03	82.5-172.5	0.4657E-03	15	0- 90	0.3390E-02	90-180	0.3119E-02
30-45.00	0.2200E-01	-7.5 TO 82.5	0.4212E-03	82.5-172.5	0.3432E-03	30	0- 90	0.2892E-02	90-180	0.2451E-02
45-60.00	0.2867E-01	-7.5 TO 82.5	0.2821E-03	82.5-172.5	0.2089E-03	45	0- 90	0.2115E-02	90-180	0.1643E-02
60-75.00	0.3339E-01	-7.5 TO 82.5	0.1384E-03	82.5-172.5	0.8310E-04	60	0- 90	0.1240E-02	90-180	0.8450E-03
75-89.18	0.3386E-01	-7.5 TO 82.5	0.2147E-04	82.5-172.5	0.3905E-05	75	0- 90	0.4082E-03	90-180	0.1428E-03
0-15.00	0.5504E-02	-7.5 TO 97.5	0.5751E-03	82.5-187.5	0.5454E-03	0	0-105	0.4049E-02	90-195	0.4049E-02
15-30.00	0.1614E-01	-7.5 TO 97.5	0.5229E-03	82.5-187.5	0.4627E-03	15	0-105	0.3927E-02	90-195	0.3626E-02
30-45.00	0.2567E-01	-7.5 TO 97.5	0.4146E-03	82.5-187.5	0.3396E-03	30	0-105	0.3328E-02	90-195	0.2840E-02
45-60.00	0.3345E-01	-7.5 TO 97.5	0.2759E-03	82.5-187.5	0.2057E-03	45	0-105	0.2418E-02	90-195	0.1897E-02
60-75.00	0.3856E-01	-7.5 TO 97.5	0.1336E-03	82.5-187.5	0.8074E-04	60	0-105	0.1404E-02	90-195	0.9702E-03
75-89.18	0.3950E-01	-7.5 TO 97.5	0.1969E-04	82.5-187.5	0.3534E-05	75	0-105	0.4473E-03	90-195	0.1566E-03

r_2/r_1 = 0.90 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5136 $\cosh \mu_2$ = 3.8738 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 106.12

0-15.00	0.7863E-03	-7.5 TO 7.5	0.8252E-03	82.5- 97.5	0.7805E-03	0	0- 15	0.8059E-03	90-105	0.8059E-03
15-30.00	0.2305E-02	-7.5 TO 7.5	0.7794E-03	82.5- 97.5	0.6864E-03	15	0- 15	0.8210E-03	90-105	0.7473E-03
30-45.00	0.3667E-02	-7.5 TO 7.5	0.6441E-03	82.5- 97.5	0.5251E-03	30	0- 15	0.7298E-03	90-105	0.6066E-03
45-60.00	0.4779E-02	-7.5 TO 7.5	0.4489E-03	82.5- 97.5	0.3348E-03	45	0- 15	0.5565E-03	90-105	0.4216E-03
60-75.00	0.5565E-02	-7.5 TO 7.5	0.2356E-03	82.5- 97.5	0.1481E-03	60	0- 15	0.3441E-03	90-105	0.2294E-03
75-89.18	0.5643E-02	-7.5 TO 7.5	0.4912E-04	82.5- 97.5	0.1304E-04	75	0- 15	0.1327E-03	90-105	0.5475E-04
0-15.00	0.1573E-02	-7.5 TO 22.5	0.8244E-03	82.5-112.5	0.7749E-03	0	0- 30	0.1612E-02	90-120	0.1612E-02
15-30.00	0.4611E-02	-7.5 TO 22.5	0.7778E-03	82.5-112.5	0.6751E-03	15	0- 30	0.1637E-02	90-120	0.1479E-02
30-45.00	0.7334E-02	-7.5 TO 22.5	0.6419E-03	82.5-112.5	0.5112E-03	30	0- 30	0.1452E-02	90-120	0.1188E-02
45-60.00	0.9558E-02	-7.5 TO 22.5	0.4467E-03	82.5-112.5	0.3220E-03	45	0- 30	0.1104E-02	90-120	0.8167E-03
60-75.00	0.1113E-01	-7.5 TO 22.5	0.2339E-03	82.5-112.5	0.1388E-03	60	0- 30	0.6803E-03	90-120	0.4375E-03
75-89.18	0.1129E-01	-7.5 TO 22.5	0.4819E-04	82.5-112.5	0.1041E-04	75	0- 30	0.2598E-03	90-120	0.9593E-04
0-15.00	0.2359E-02	-7.5 TO 37.5	0.8227E-03	82.5-127.5	0.7696E-03	0	0- 45	0.2418E-02	90-135	0.2418E-02
15-30.00	0.6916E-02	-7.5 TO 37.5	0.7740E-03	82.5-127.5	0.6645E-03	15	0- 45	0.2445E-02	90-135	0.2196E-02
30-45.00	0.1100E-01	-7.5 TO 37.5	0.6370E-03	82.5-127.5	0.4983E-03	30	0- 45	0.2158E-02	90-135	0.1747E-02
45-60.00	0.1434E-01	-7.5 TO 37.5	0.4419E-03	82.5-127.5	0.3103E-03	45	0- 45	0.1635E-02	90-135	0.1189E-02
60-75.00	0.1670E-01	-7.5 TO 37.5	0.2301E-03	82.5-127.5	0.1303E-03	60	0- 45	0.1002E-02	90-135	0.6275E-03
75-89.18	0.1693E-01	-7.5 TO 37.5	0.4616E-04	82.5-127.5	0.8291E-05	75	0- 45	0.3766E-03	90-135	0.1260E-03
0-15.00	0.3145E-02	-7.5 TO 52.5	0.8200E-03	82.5-142.5	0.7648E-03	0	0- 60	0.3223E-02	90-150	0.3223E-02
15-30.00	0.9221E-02	-7.5 TO 52.5	0.7683E-03	82.5-142.5	0.6550E-03	15	0- 60	0.3240E-02	90-150	0.2902E-02
30-45.00	0.1467E-01	-7.5 TO 52.5	0.6295E-03	82.5-142.5	0.4867E-03	30	0- 60	0.2844E-02	90-150	0.2289E-02
45-60.00	0.1912E-01	-7.5 TO 52.5	0.4346E-03	82.5-142.5	0.2998E-03	45	0- 60	0.2142E-02	90-150	0.1544E-02
60-75.00	0.2226E-01	-7.5 TO 52.5	0.2244E-03	82.5-142.5	0.1229E-03	60	0- 60	0.1303E-02	90-150	0.8038E-03
75-89.18	0.2257E-01	-7.5 TO 52.5	0.4335E-04	82.5-142.5	0.6852E-05	75	0- 60	0.4793E-03	90-150	0.1479E-03
0-15.00	0.3931E-02	-7.5 TO 67.5	0.8165E-03	82.5-157.5	0.7605E-03	0	0- 75	0.4029E-02	90-165	0.4029E-02
15-30.00	0.1153E-01	-7.5 TO 67.5	0.7610E-03	82.5-157.5	0.6466E-03	15	0- 75	0.4020E-02	90-165	0.3601E-02
30-45.00	0.1834E-01	-7.5 TO 67.5	0.6201E-03	82.5-157.5	0.4767E-03	30	0- 75	0.3505E-02	90-165	0.2819E-02
45-60.00	0.2390E-01	-7.5 TO 67.5	0.4254E-03	82.5-157.5	0.2909E-03	45	0- 75	0.2622E-02	90-165	0.1887E-02
60-75.00	0.2783E-01	-7.5 TO 67.5	0.2173E-03	82.5-157.5	0.1166E-03	60	0- 75	0.1581E-02	90-165	0.9707E-03
75-89.18	0.2821E-01	-7.5 TO 67.5	0.4011E-04	82.5-157.5	0.5843E-05	75	0- 75	0.5660E-03	90-165	0.1643E-03
0-15.00	0.4718E-02	-7.5 TO 82.5	0.8124E-03	82.5-172.5	0.7570E-03	0	0- 90	0.4835E-02	90-180	0.4835E-02
15-30.00	0.1383E-01	-7.5 TO 82.5	0.7524E-03	82.5-172.5	0.6398E-03	15	0- 90	0.4784E-02	90-180	0.4295E-02
30-45.00	0.2200E-01	-7.5 TO 82.5	0.6091E-03	82.5-172.5	0.4688E-03	30	0- 90	0.4138E-02	90-180	0.3343E-02
45-60.00	0.2867E-01	-7.5 TO 82.5	0.4148E-03	82.5-172.5	0.2836E-03	45	0- 90	0.3072E-02	90-180	0.2223E-02
60-75.00	0.3339E-01	-7.5 TO 82.5	0.2091E-03	82.5-172.5	0.1115E-03	60	0- 90	0.1834E-02	90-180	0.1133E-02
75-89.18	0.3386E-01	-7.5 TO 82.5	0.3668E-04	82.5-172.5	0.5108E-05	75	0- 90	0.6362E-03	90-180	0.1783E-03
0-15.00	0.5504E-02	-7.5 TO 97.5	0.8078E-03	82.5-187.5	0.7543E-03	0	0-105	0.5641E-02	90-195	0.5641E-02
15-30.00	0.1614E-01	-7.5 TO 97.5	0.7430E-03	82.5-187.5	0.6345E-03	15	0-105	0.5532E-02	90-195	0.4990E-02
30-45.00	0.2567E-01	-7.5 TO 97.5	0.5971E-03	82.5-187.5	0.4622E-03	30	0-105	0.4745E-02	90-195	0.3867E-02
45-60.00	0.3345E-01	-7.5 TO 97.5	0.4034E-03	82.5-187.5	0.2779E-03	45	0-105	0.3494E-02	90-195	0.2560E-02
60-75.00	0.3856E-01	-7.5 TO 97.5	0.2004E-03	82.5-187.5	0.1075E-03	60	0-105	0.2063E-02	90-195	0.1295E-02
75-89.18	0.3950E-01	-7.5 TO 97.5	0.3330E-04	82.5-187.5	0.4567E-05	75	0-105	0.6910E-03	90-195	0.1923E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5136 $\cosh \mu_2$ = 3.8738 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 90.04

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7663E-03	-7.5 TO 7.5	0.9604E-03	82.5- 97.5	0.8969E-03	0	0- 15	0.9258E-03	90-105	0.9258E-03
15-30.00	0.2305E-02	-7.5 TO 7.5	0.9224E-03	82.5- 97.5	0.7898E-03	15	0- 15	0.9616E-03	90-105	0.8568E-03
30-45.00	0.3667E-02	-7.5 TO 7.5	0.7756E-03	82.5- 97.5	0.6057E-03	30	0- 15	0.8708E-03	90-105	0.6952E-03
45-60.00	0.4779E-02	-7.5 TO 7.5	0.5498E-03	82.5- 97.5	0.3876E-03	45	0- 15	0.6757E-03	90-105	0.4837E-03
60-75.00	0.5565E-02	-7.5 TO 7.5	0.2949E-03	82.5- 97.5	0.1725E-03	60	0- 15	0.4254E-03	90-105	0.2638E-03
75-89.18	0.5643E-02	-7.5 TO 7.5	0.6657E-04	82.5- 97.5	0.1549E-04	75	0- 15	0.1700E-03	90-105	0.6333E-04
0-15.00	0.1573E-02	-7.5 TO 22.5	0.9593E-03	82.5-112.5	0.8890E-03	0	0- 30	0.1852E-02	90-120	0.1852E-02
15-30.00	0.4611E-02	-7.5 TO 22.5	0.9200E-03	82.5-112.5	0.7739E-03	15	0- 30	0.1917E-02	90-120	0.1691E-02
30-45.00	0.7334E-02	-7.5 TO 22.5	0.7725E-03	82.5-112.5	0.5862E-03	30	0- 30	0.1730E-02	90-120	0.1355E-02
45-60.00	0.9558E-02	-7.5 TO 22.5	0.5466E-03	82.5-112.5	0.3700E-03	45	0- 30	0.1338E-02	90-120	0.9306E-03
60-75.00	0.1113E-01	-7.5 TO 22.5	0.2925E-03	82.5-112.5	0.1600E-03	60	0- 30	0.8395E-03	90-120	0.4987E-03
75-89.18	0.1129E-01	-7.5 TO 22.5	0.6523E-04	82.5-112.5	0.1216E-04	75	0- 30	0.3322E-03	90-120	0.1094E-03
0-15.00	0.2359E-02	-7.5 TO 37.5	0.9568E-03	82.5-127.5	0.8815E-03	0	0- 45	0.2777E-02	90-135	0.2777E-02
15-30.00	0.6916E-02	-7.5 TO 37.5	0.9146E-03	82.5-127.5	0.7590E-03	15	0- 45	0.2859E-02	90-135	0.2506E-02
30-45.00	0.1100E-01	-7.5 TO 37.5	0.7653E-03	82.5-127.5	0.5683E-03	30	0- 45	0.2568E-02	90-135	0.1984E-02
45-60.00	0.1434E-01	-7.5 TO 37.5	0.5396E-03	82.5-127.5	0.3539E-03	45	0- 45	0.1977E-02	90-135	0.1367E-02
60-75.00	0.1670E-01	-7.5 TO 37.5	0.2870E-03	82.5-127.5	0.1489E-03	60	0- 45	0.1232E-02	90-135	0.7097E-03
75-89.18	0.1693E-01	-7.5 TO 37.5	0.6227E-04	82.5-127.5	0.9560E-05	75	0- 45	0.4796E-03	90-135	0.1418E-03
0-15.00	0.3145E-02	-7.5 TO 52.5	0.9530E-03	82.5-142.5	0.8747E-03	0	0- 60	0.3703E-02	90-150	0.3703E-02
15-30.00	0.9221E-02	-7.5 TO 52.5	0.9064E-03	82.5-142.5	0.7456E-03	15	0- 60	0.3784E-02	90-150	0.3305E-02
30-45.00	0.1467E-01	-7.5 TO 52.5	0.7546E-03	82.5-142.5	0.5522E-03	30	0- 60	0.3375E-02	90-150	0.2589E-02
45-60.00	0.1912E-01	-7.5 TO 52.5	0.5292E-03	82.5-142.5	0.3397E-03	45	0- 60	0.2581E-02	90-150	0.1738E-02
60-75.00	0.2226E-01	-7.5 TO 52.5	0.2789E-03	82.5-142.5	0.1392E-03	60	0- 60	0.1596E-02	90-150	0.9026E-03
75-89.18	0.2257E-01	-7.5 TO 52.5	0.5815E-04	82.5-142.5	0.7833E-05	75	0- 60	0.6074E-03	90-150	0.1644E-03
0-15.00	0.3931E-02	-7.5 TO 67.5	0.9480E-03	82.5-157.5	0.8687E-03	0	0- 75	0.4629E-02	90-165	0.4629E-02
15-30.00	0.1153E-01	-7.5 TO 67.5	0.8960E-03	82.5-157.5	0.7340E-03	15	0- 75	0.4687E-02	90-165	0.4093E-02
30-45.00	0.1834E-01	-7.5 TO 67.5	0.7410E-03	82.5-157.5	0.5384E-03	30	0- 75	0.4147E-02	90-165	0.3178E-02
45-60.00	0.2390E-01	-7.5 TO 67.5	0.5160E-03	82.5-157.5	0.3276E-03	45	0- 75	0.3147E-02	90-165	0.2114E-02
60-75.00	0.2783E-01	-7.5 TO 67.5	0.2688E-03	82.5-157.5	0.1311E-03	60	0- 75	0.1927E-02	90-165	0.1083E-02
75-89.18	0.2821E-01	-7.5 TO 67.5	0.5345E-04	82.5-157.5	0.6633E-05	75	0- 75	0.7132E-03	90-165	0.1809E-03
0-15.00	0.4718E-02	-7.5 TO 82.5	0.9422E-03	82.5-172.5	0.8638E-03	0	0- 90	0.5555E-02	90-180	0.5555E-02
15-30.00	0.1383E-01	-7.5 TO 82.5	0.8837E-03	82.5-172.5	0.7244E-03	15	0- 90	0.5568E-02	90-180	0.4876E-02
30-45.00	0.2200E-01	-7.5 TO 82.5	0.7252E-03	82.5-172.5	0.5271E-03	30	0- 90	0.4880E-02	90-180	0.3758E-02
45-60.00	0.2867E-01	-7.5 TO 82.5	0.5009E-03	82.5-172.5	0.3177E-03	45	0- 90	0.3671E-02	90-180	0.2481E-02
60-75.00	0.3339E-01	-7.5 TO 82.5	0.2573E-03	82.5-172.5	0.1245E-03	60	0- 90	0.2223E-02	90-180	0.1258E-02
75-89.18	0.3386E-01	-7.5 TO 82.5	0.4857E-04	82.5-172.5	0.5766E-05	75	0- 90	0.7969E-03	90-180	0.1949E-03
0-15.00	0.5504E-02	-7.5 TO 97.5	0.9357E-03	82.5-187.5	0.8600E-03	0	0-105	0.6480E-02	90-195	0.6480E-02
15-30.00	0.1614E-01	-7.5 TO 97.5	0.8703E-03	82.5-187.5	0.7170E-03	15	0-105	0.6425E-02	90-195	0.5658E-02
30-45.00	0.2567E-01	-7.5 TO 97.5	0.7082E-03	82.5-187.5	0.5183E-03	30	0-105	0.5576E-02	90-195	0.4338E-02
45-60.00	0.3345E-01	-7.5 TO 97.5	0.4847E-03	82.5-187.5	0.3102E-03	45	0-105	0.4154E-02	90-195	0.2848E-02
60-75.00	0.3896E-01	-7.5 TO 97.5	0.2452E-03	82.5-187.5	0.1196E-03	60	0-105	0.2487E-02	90-195	0.1433E-02
75-89.18	0.3950E-01	-7.5 TO 97.5	0.4385E-04	82.5-187.5	0.5131E-05	75	0-105	0.8602E-03	90-195	0.2089E-03

r_2/r_1 = 0.90 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5136 $\cosh \mu_2$ = 3.8738 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 75.04

0-15.00	0.7663E-03	-7.5 TO 7.5	0.9794E-03	82.5- 97.5	0.9084E-03	0	0- 15	0.9375E-03	90-105	0.9375E-03
15-30.00	0.2305E-02	-7.5 TO 7.5	0.9507E-03	82.5- 97.5	0.8003E-03	15	0- 15	0.9842E-03	90-105	0.8669E-03
30-45.00	0.3667E-02	-7.5 TO 7.5	0.8096E-03	82.5- 97.5	0.6143E-03	30	0- 15	0.9027E-03	90-105	0.7031E-03
45-60.00	0.4779E-02	-7.5 TO 7.5	0.5811E-03	82.5- 97.5	0.3936E-03	45	0- 15	0.7097E-03	90-105	0.4892E-03
60-75.00	0.5565E-02	-7.5 TO 7.5	0.3157E-03	82.5- 97.5	0.1755E-03	60	0- 15	0.4524E-03	90-105	0.2670E-03
75-89.18	0.5643E-02	-7.5 TO 7.5	0.7332E-04	82.5- 97.5	0.1583E-04	75	0- 15	0.1838E-03	90-105	0.6421E-04
0-15.00	0.1573E-02	-7.5 TO 22.5	0.9781E-03	82.5-112.5	0.8997E-03	0	0- 30	0.1875E-02	90-120	0.1875E-02
15-30.00	0.4611E-02	-7.5 TO 22.5	0.9480E-03	82.5-112.5	0.7829E-03	15	0- 30	0.1961E-02	90-120	0.1709E-02
30-45.00	0.7334E-02	-7.5 TO 22.5	0.8058E-03	82.5-112.5	0.5931E-03	30	0- 30	0.1792E-02	90-120	0.1368E-02
45-60.00	0.9558E-02	-7.5 TO 22.5	0.5773E-03	82.5-112.5	0.3745E-03	45	0- 30	0.1404E-02	90-120	0.9390E-03
60-75.00	0.1113E-01	-7.5 TO 22.5	0.3127E-03	82.5-112.5	0.1622E-03	60	0- 30	0.8911E-03	90-120	0.5033E-03
75-89.18	0.1129E-01	-7.5 TO 22.5	0.7175E-04	82.5-112.5	0.1238E-04	75	0- 30	0.3582E-03	90-120	0.1105E-03
0-15.00	0.2359E-02	-7.5 TO 37.5	0.9753E-03	82.5-127.5	0.8915E-03	0	0- 45	0.2812E-02	90-135	0.2812E-02
15-30.00	0.6916E-02	-7.5 TO 37.5	0.9416E-03	82.5-127.5	0.7668E-03	15	0- 45	0.2923E-02	90-135	0.2531E-02
30-45.00	0.1100E-01	-7.5 TO 37.5	0.7973E-03	82.5-127.5	0.5737E-03	30	0- 45	0.2656E-02	90-135	0.2000E-02
45-60.00	0.1434E-01	-7.5 TO 37.5	0.5688E-03	82.5-127.5	0.3573E-03	45	0- 45	0.2069E-02	90-135	0.1356E-02
60-75.00	0.1670E-01	-7.5 TO 37.5	0.3062E-03	82.5-127.5	0.1505E-03	60	0- 45	0.1304E-02	90-135	0.7147E-03
75-89.18	0.1693E-01	-7.5 TO 37.5	0.6831E-04	82.5-127.5	0.9708E-05	75	0- 45	0.5153E-03	90-135	0.1430E-03
0-15.00	0.3145E-02	-7.5 TO 52.5	0.9710E-03	82.5-142.5	0.8841E-03	0	0- 60	0.3750E-02	90-150	0.3750E-02
15-30.00	0.9221E-02	-7.5 TO 52.5	0.9322E-03	82.5-142.5	0.7523E-03	15	0- 60	0.3866E-02	90-150	0.3335E-02
30-45.00	0.1467E-01	-7.5 TO 52.5	0.7847E-03	82.5-142.5	0.5566E-03	30	0- 60	0.3485E-02	90-150	0.2607E-02
45-60.00	0.1912E-01	-7.5 TO 52.5	0.5564E-03	82.5-142.5	0.3424E-03	45	0- 60	0.2694E-02	90-150	0.1748E-02
60-75.00	0.2226E-01	-7.5 TO 52.5	0.2966E-03	82.5-142.5	0.1404E-03	60	0- 60	0.1684E-02	90-150	0.9077E-03
75-89.18	0.2257E-01	-7.5 TO 52.5	0.6353E-04	82.5-142.5	0.7945E-05	75	0- 60	0.6500E-03	90-150	0.1656E-03
0-15.00	0.3931E-02	-7.5 TO 67.5	0.9654E-03	82.5-157.5	0.8776E-03	0	0- 75	0.4687E-02	90-165	0.4687E-02
15-30.00	0.1153E-01	-7.5 TO 67.5	0.9202E-03	82.5-157.5	0.7399E-03	15	0- 75	0.4785E-02	90-165	0.4128E-02
30-45.00	0.1834E-01	-7.5 TO 67.5	0.7688E-03	82.5-157.5	0.5421E-03	30	0- 75	0.4273E-02	90-165	0.3196E-02
45-60.00	0.2390E-01	-7.5 TO 67.5	0.5409E-03	82.5-157.5	0.3298E-03	45	0- 75	0.3274E-02	90-165	0.2124E-02
60-75.00	0.2783E-01	-7.5 TO 67.5	0.2847E-03	82.5-157.5	0.1321E-03	60	0- 75	0.2025E-02	90-165	0.1089E-02
75-89.18	0.2821E-01	-7.5 TO 67.5	0.5813E-04	82.5-157.5	0.6722E-05	75	0- 75	0.7599E-03	90-165	0.1821E-03
0-15.00	0.4718E-02	-7.5 TO 82.5	0.9589E-03	82.5-172.5	0.8723E-03	0	0- 90	0.5625E-02	90-180	0.5625E-02
15-30.00	0.1383E-01	-7.5 TO 82.5	0.9063E-03	82.5-172.5	0.7296E-03	15	0- 90	0.5677E-02	90-180	0.4914E-02
30-45.00	0.2200E-01	-7.5 TO 82.5	0.7506E-03	82.5-172.5	0.5302E-03	30	0- 90	0.5018E-02	90-180	0.3777E-02
45-60.00	0.2867E-01	-7.5 TO 82.5	0.5234E-03	82.5-172.5	0.3196E-03	45	0- 90	0.3808E-02	90-180	0.2491E-02
60-75.00	0.3339E-01	-7.5 TO 82.5	0.2716E-03	82.5-172.5	0.1254E-03	60	0- 90	0.2327E-02	90-180	0.1263E-02
75-89.18	0.3386E-01	-7.5 TO 82.5	0.5263E-04	82.5-172.5	0.5841E-05	75	0- 90	0.8457E-03	90-180	0.1961E-03
0-15.00	0.5504E-02	-7.5 TO 97.5	0.9517E-03	82.5-187.5	0.8681E-03	0	0-105	0.6562E-02	90-195	0.6562E-02
15-30.00	0.1614E-01	-7.5 TO 97.5	0.8911E-03	82.5-187.5	0.7218E-03	15	0-105	0.6544E-02	90-195	0.5701E-02
30-45.00	0.2567E-01	-7.5 TO 97.5	0.7312E-03	82.5-187.5	0.5211E-03	30	0-105	0.5721E-02	90-195	0.4358E-02
45-60.00	0.3345E-01	-7.5 TO 97.5	0.5048E-03	82.5-187.5	0.3117E-03	45	0-105	0.4297E-02	90-195	0.2859E-02
60-75.00	0.3896E-01	-7.5 TO 97.5	0.2578E-03	82.5-187.5	0.1203E-03	60	0-105	0.2594E-02	90-195	0.1438E-02
75-89.18	0.3950E-01	-7.5 TO 97.5	0.4738E-04	82.5-187.5	0.5195E-05	75	0-105	0.9099E-03	90-195	0.2100E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5136 $\cosh \mu_2$ = 3.8738 $\alpha_{2,\max}$ = 90.82 $\theta_{2,\min}$ = 74.25

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7863E-03	-7.5 TO 7.5	0.9794E-03	82.5- 97.5	0.9084E-03	0	0- 15	0.9375E-03	90-105	0.9375E-03
15-30.00	0.2305E-02	-7.5 TO 7.5	0.9507E-03	82.5- 97.5	0.8003E-03	15	0- 15	0.9842E-03	90-105	0.8669E-03
30-45.00	0.3667E-02	-7.5 TO 7.5	0.8096E-03	82.5- 97.5	0.6143E-03	30	0- 15	0.9027E-03	90-105	0.7031E-03
45-60.00	0.4779E-02	-7.5 TO 7.5	0.5811E-03	82.5- 97.5	0.3936E-03	45	0- 15	0.7097E-03	90-105	0.4892E-03
60-75.00	0.5565E-02	-7.5 TO 7.5	0.3157E-03	82.5- 97.5	0.1755E-03	60	0- 15	0.4524E-03	90-105	0.2670E-03
75-89.18	0.5643E-02	-7.5 TO 7.5	0.7333E-04	82.5- 97.5	0.1583E-04	75	0- 15	0.1838E-03	90-105	0.6421E-04
0-15.00	0.1573E-02	-7.5 TO 22.5	0.9781E-03	82.5-112.5	0.8997E-03	0	0- 30	0.1875E-02	90-120	0.1875E-02
15-30.00	0.4611E-02	-7.5 TO 22.5	0.9480E-03	82.5-112.5	0.7829E-03	15	0- 30	0.1961E-02	90-120	0.1709E-02
30-45.00	0.7334E-02	-7.5 TO 22.5	0.8058E-03	82.5-112.5	0.5931E-03	30	0- 30	0.1792E-02	90-120	0.1368E-02
45-60.00	0.9558E-02	-7.5 TO 22.5	0.5773E-03	82.5-112.5	0.3745E-03	45	0- 30	0.1404E-02	90-120	0.9390E-03
60-75.00	0.1113E-01	-7.5 TO 22.5	0.3127E-03	82.5-112.5	0.1622E-03	60	0- 30	0.8911E-03	90-120	0.5033E-03
75-89.18	0.1129E-01	-7.5 TO 22.5	0.7175E-04	82.5-112.5	0.1238E-04	75	0- 30	0.3582E-03	90-120	0.1105E-03
0-15.00	0.2359E-02	-7.5 TO 37.5	0.9753E-03	82.5-127.5	0.8915E-03	0	0- 45	0.2812E-02	90-135	0.2812E-02
15-30.00	0.6916E-02	-7.5 TO 37.5	0.9416E-03	82.5-127.5	0.7668E-03	15	0- 45	0.2923E-02	90-135	0.2531E-02
30-45.00	0.1100E-01	-7.5 TO 37.5	0.7973E-03	82.5-127.5	0.5737E-03	30	0- 45	0.2656E-02	90-135	0.2000E-02
45-60.00	0.1434E-01	-7.5 TO 37.5	0.5688E-03	82.5-127.5	0.3573E-03	45	0- 45	0.2069E-02	90-135	0.1356E-02
60-75.00	0.1670E-01	-7.5 TO 37.5	0.3062E-03	82.5-127.5	0.1505E-03	60	0- 45	0.1304E-02	90-135	0.7147E-03
75-89.18	0.1693E-01	-7.5 TO 37.5	0.6831E-04	82.5-127.5	0.9708E-05	75	0- 45	0.5153E-03	90-135	0.1430E-03
0-15.00	0.3145E-02	-7.5 TO 52.5	0.9710E-03	82.5-142.5	0.8841E-03	0	0- 60	0.3750E-02	90-150	0.3750E-02
15-30.00	0.9221E-02	-7.5 TO 52.5	0.9322E-03	82.5-142.5	0.7523E-03	15	0- 60	0.3866E-02	90-150	0.3335E-02
30-45.00	0.1467E-01	-7.5 TO 52.5	0.7847E-03	82.5-142.5	0.5566E-03	30	0- 60	0.3485E-02	90-150	0.2607E-02
45-60.00	0.1912E-01	-7.5 TO 52.5	0.5564E-03	82.5-142.5	0.3424E-03	45	0- 60	0.2694E-02	90-150	0.1748E-02
60-75.00	0.2226E-01	-7.5 TO 52.5	0.2966E-03	82.5-142.5	0.1404E-03	60	0- 60	0.1684E-02	90-150	0.9077E-03
75-89.18	0.2257E-01	-7.5 TO 52.5	0.6353E-04	82.5-142.5	0.7945E-05	75	0- 60	0.6500E-03	90-150	0.1656E-03
0-15.00	0.3531E-02	-7.5 TO 67.5	0.9654E-03	82.5-157.5	0.8776E-03	0	0- 75	0.4687E-02	90-165	0.4687E-02
15-30.00	0.1153E-01	-7.5 TO 67.5	0.9202E-03	82.5-157.5	0.7399E-03	15	0- 75	0.4785E-02	90-165	0.4128E-02
30-45.00	0.1834E-01	-7.5 TO 67.5	0.7688E-03	82.5-157.5	0.5421E-03	30	0- 75	0.4273E-02	90-165	0.3196E-02
45-60.00	0.2390E-01	-7.5 TO 67.5	0.5409E-03	82.5-157.5	0.3298E-03	45	0- 75	0.3274E-02	90-165	0.2124E-02
60-75.00	0.2783E-01	-7.5 TO 67.5	0.2847E-03	82.5-157.5	0.1321E-03	60	0- 75	0.2025E-02	90-165	0.1089E-02
75-89.18	0.2821E-01	-7.5 TO 67.5	0.5814E-04	82.5-157.5	0.6722E-05	75	0- 75	0.7599E-03	90-165	0.1821E-03
0-15.00	0.4718E-02	-7.5 TO 82.5	0.9589E-03	82.5-172.5	0.8723E-03	0	0- 90	0.5625E-02	90-180	0.5625E-02
15-30.00	0.1383E-01	-7.5 TO 82.5	0.9063E-03	82.5-172.5	0.7296E-03	15	0- 90	0.5677E-02	90-180	0.4914E-02
30-45.00	0.2200E-01	-7.5 TO 82.5	0.7506E-03	82.5-172.5	0.5302E-03	30	0- 90	0.5018E-02	90-180	0.3777E-02
45-60.00	0.2867E-01	-7.5 TO 82.5	0.5234E-03	82.5-172.5	0.3196E-03	45	0- 90	0.3808E-02	90-180	0.2491E-02
60-75.00	0.3339E-01	-7.5 TO 82.5	0.2716E-03	82.5-172.5	0.1254E-03	60	0- 90	0.2327E-02	90-180	0.1263E-02
75-89.18	0.3386E-01	-7.5 TO 82.5	0.5263E-04	82.5-172.5	0.5841E-05	75	0- 90	0.8457E-03	90-180	0.1961E-03
0-15.00	0.5504E-02	-7.5 TO 97.5	0.9517E-03	82.5-187.5	0.8681E-03	0	0-105	0.6562E-02	90-195	0.6562E-02
15-30.00	0.1614E-01	-7.5 TO 97.5	0.8911E-03	82.5-187.5	0.7218E-03	15	0-105	0.6544E-02	90-195	0.5701E-02
30-45.00	0.2567E-01	-7.5 TO 97.5	0.7312E-03	82.5-187.5	0.5211E-03	30	0-105	0.5721E-02	90-195	0.4358E-02
45-60.00	0.3345E-01	-7.5 TO 97.5	0.5048E-03	82.5-187.5	0.3117E-03	45	0-105	0.4297E-02	90-195	0.2859E-02
60-75.00	0.3896E-01	-7.5 TO 97.5	0.2578E-03	82.5-187.5	0.1203E-03	60	0-105	0.2594E-02	90-195	0.1438E-02
75-89.18	0.3950E-01	-7.5 TO 97.5	0.4738E-04	82.5-187.5	0.5195E-05	75	0-105	0.9099E-03	90-195	0.2100E-03

r_2/r_1 = 0.90 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0095 $\cosh \mu_2$ = 5.5450 $\alpha_{2,\max}$ = 15.00 $\theta_{2,\min}$ = 162.04

0-15.00	0.3702E-03	-7.5 TO 7.5	0.3356E-04	82.5- 97.5	0.3328E-04	0	0- 15	0.3417E-04	90-105	0.3417E-04
15-30.00	0.1085E-02	-7.5 TO 7.5	0.3049E-04	82.5- 97.5	0.2908E-04	15	0- 15	0.3281E-04	90-105	0.3233E-04
30-45.00	0.1727E-02	-7.5 TO 7.5	0.2462E-04	82.5- 97.5	0.2381E-04	30	0- 15	0.2816E-04	90-105	0.2734E-04
45-60.00	0.2250E-02	-7.5 TO 7.5	0.1702E-04	82.5- 97.5	0.1620E-04	45	0- 15	0.2117E-04	90-105	0.2022E-04
60-75.00	0.2620E-02	-7.5 TO 7.5	0.8870E-05	82.5- 97.5	0.8175E-05	60	0- 15	0.1305E-04	90-105	0.1218E-04
75-89.43	0.2703E-02	-7.5 TO 7.5	0.1600E-05	82.5- 97.5	0.1289E-05	75	0- 15	0.4900E-05	90-105	0.4226E-05
0-15.00	0.7405E-03	-7.5 TO 22.5	0.3356E-04	82.5-112.5	0.3324E-04	0	0- 30	0.6834E-04	90-120	0.6834E-04
15-30.00	0.2171E-02	-7.5 TO 22.5	0.3048E-04	82.5-112.5	0.2980E-04	15	0- 30	0.6559E-04	90-120	0.6456E-04
30-45.00	0.3453E-02	-7.5 TO 22.5	0.2466E-04	82.5-112.5	0.2371E-04	30	0- 30	0.5628E-04	90-120	0.5451E-04
45-60.00	0.4501E-02	-7.5 TO 22.5	0.1701E-04	82.5-112.5	0.1610E-04	45	0- 30	0.4228E-04	90-120	0.4024E-04
60-75.00	0.5241E-02	-7.5 TO 22.5	0.8858E-05	82.5-112.5	0.8088E-05	60	0- 30	0.2605E-04	90-120	0.2416E-04
75-89.43	0.5407E-02	-7.5 TO 22.5	0.1594E-05	82.5-112.5	0.1250E-05	75	0- 30	0.9758E-05	90-120	0.8306E-05
0-15.00	0.1111E-02	-7.5 TO 37.5	0.3355E-04	82.5-127.5	0.3320E-04	0	0- 45	0.1025E-03	90-135	0.1025E-03
15-30.00	0.3256E-02	-7.5 TO 37.5	0.3045E-04	82.5-127.5	0.2973E-04	15	0- 45	0.9832E-04	90-135	0.9669E-04
30-45.00	0.5180E-02	-7.5 TO 37.5	0.2457E-04	82.5-127.5	0.2361E-04	30	0- 45	0.8429E-04	90-135	0.8150E-04
45-60.00	0.6751E-02	-7.5 TO 37.5	0.1698E-04	82.5-127.5	0.1600E-04	45	0- 45	0.6328E-04	90-135	0.6006E-04
60-75.00	0.7861E-02	-7.5 TO 37.5	0.8831E-05	82.5-127.5	0.8005E-05	60	0- 45	0.3894E-04	90-135	0.3597E-04
75-89.43	0.8110E-02	-7.5 TO 37.5	0.1582E-05	82.5-127.5	0.1214E-05	75	0- 45	0.1454E-04	90-135	0.1226E-04
0-15.00	0.1481E-02	-7.5 TO 52.5	0.3353E-04	82.5-142.5	0.3317E-04	0	0- 60	0.1367E-03	90-150	0.1367E-03
15-30.00	0.4342E-02	-7.5 TO 52.5	0.3042E-04	82.5-142.5	0.2966E-04	15	0- 60	0.1310E-03	90-150	0.1287E-03
30-45.00	0.6907E-02	-7.5 TO 52.5	0.2452E-04	82.5-142.5	0.2352E-04	30	0- 60	0.1122E-03	90-150	0.1084E-03
45-60.00	0.9001E-02	-7.5 TO 52.5	0.1693E-04	82.5-142.5	0.1591E-04	45	0- 60	0.8413E-04	90-150	0.7974E-04
60-75.00	0.1048E-01	-7.5 TO 52.5	0.8789E-05	82.5-142.5	0.7929E-05	60	0- 60	0.5169E-04	90-150	0.4765E-04
75-89.43	0.1081E-01	-7.5 TO 52.5	0.1563E-05	82.5-142.5	0.1180E-05	75	0- 60	0.1920E-04	90-150	0.1610E-04
0-15.00	0.1851E-02	-7.5 TO 67.5	0.3351E-04	82.5-157.5	0.3314E-04	0	0- 75	0.1709E-03	90-165	0.1709E-03
15-30.00	0.5427E-02	-7.5 TO 67.5	0.3037E-04	82.5-157.5	0.2960E-04	15	0- 75	0.1635E-03	90-165	0.1607E-03
30-45.00	0.8633E-02	-7.5 TO 67.5	0.2446E-04	82.5-157.5	0.2344E-04	30	0- 75	0.1399E-03	90-165	0.1351E-03
45-60.00	0.1125E-01	-7.5 TO 67.5	0.1686E-04	82.5-157.5	0.1583E-04	45	0- 75	0.1048E-03	90-165	0.9931E-04
60-75.00	0.1310E-01	-7.5 TO 67.5	0.8735E-05	82.5-157.5	0.7863E-05	60	0- 75	0.6426E-04	90-165	0.5923E-04
75-89.43	0.1352E-01	-7.5 TO 67.5	0.1539E-05	82.5-157.5	0.1151E-05	75	0- 75	0.2373E-04	90-165	0.1987E-04
0-15.00	0.2221E-02	-7.5 TO 82.5	0.3348E-04	82.5-172.5	0.3312E-04	0	0- 90	0.2050E-03	90-180	0.2050E-03
15-30.00	0.6513E-02	-7.5 TO 82.5	0.3031E-04	82.5-172.5	0.2955E-04	15	0- 90	0.1960E-03	90-180	0.1927E-03
30-45.00	0.1036E-01	-7.5 TO 82.5	0.2439E-04	82.5-172.5	0.2338E-04	30	0- 90	0.1674E-03	90-180	0.1619E-03
45-60.00	0.1350E-01	-7.5 TO 82.5	0.1679E-04	82.5-172.5	0.1576E-04	45	0- 90	0.1252E-03	90-180	0.1188E-03
60-75.00	0.1572E-01	-7.5 TO 82.5	0.8671E-05	82.5-172.5	0.7808E-05	60	0- 90	0.7663E-04	90-180	0.7076E-04
75-89.43	0.1622E-01	-7.5 TO 82.5	0.1511E-05	82.5-172.5	0.1127E-05	75	0- 90	0.2811E-04	90-180	0.2361E-04
0-15.00	0.2592E-02	-7.5 TO 97.5	0.3345E-04	82.5-187.5	0.3310E-04	0	0-105	0.2392E-03	90-195	0.2392E-03
15-30.00	0.7598E-02	-7.5 TO 97.5	0.3025E-04	82.5-187.5	0.2951E-04	15	0-105	0.2283E-03	90-195	0.2247E-03
30-45.00	0.1209E-01	-7.5 TO 97.5	0.2430E-04	82.5-187.5	0.2333E-04	30	0-105	0.1948E-03	90-195	0.1886E-03
45-60.00	0.1575E-01	-7.5 TO 97.5	0.1670E-04	82.5-187.5	0.1571E-04	45	0-105	0.1454E-03	90-195	0.1383E-03
60-75.00	0.1834E-01	-7.5 TO 97.5	0.8600E-05	82.5-187.5	0.7766E-05	60	0-105	0.8881E-04	90-195	0.8229E-04
75-89.43	0.1892E-01	-7.5 TO 97.5	0.1479E-05	82.5-187.5	0.1108E-05	75	0-105	0.3234E-04	90-195	0.2734E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0095 $\cosh \mu_2$ = 5.5450 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 144.35

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3703E-03	-7.5 TO 7.5	0.1233E-03	82.5- 97.5	0.1212E-03	0	0- 15	0.1245E-03	90-105	0.1245E-03
15-30.00	0.1085E-02	-7.5 TO 7.5	0.1133E-03	82.5- 97.5	0.1089E-03	5	0- 15	0.1211E-03	90-105	0.1176E-03
30-45.00	0.1727E-02	-7.5 TO 7.5	0.9269E-04	82.5- 97.5	0.8684E-04	30	0- 15	0.1053E-03	90-105	0.9935E-04
45-60.00	0.2250E-02	-7.5 TO 7.5	0.6512E-04	82.5- 97.5	0.5914E-04	45	0- 15	0.8027E-04	90-105	0.7340E-04
60-75.00	0.2620E-02	-7.5 TO 7.5	0.3494E-04	82.5- 97.5	0.2989E-04	60	0- 15	0.5047E-04	90-105	0.4413E-04
75-89.43	0.2703E-02	-7.5 TO 7.5	0.7111E-05	82.5- 97.5	0.4740E-05	75	0- 15	0.2009E-04	90-105	0.1523E-04
0-15.00	0.7405E-03	-7.5 TO 22.5	0.1233E-03	82.5-112.5	0.1210E-03	0	0- 30	0.2490E-03	90-120	0.2490E-03
15-30.00	0.2171E-02	-7.5 TO 22.5	0.1132E-03	82.5-112.5	0.1083E-03	15	0- 30	0.2419E-03	90-120	0.2345E-03
30-45.00	0.3453E-02	-7.5 TO 22.5	0.9258E-04	82.5-112.5	0.8610E-04	30	0- 30	0.2102E-03	90-120	0.1974E-03
45-60.00	0.4501E-02	-7.5 TO 22.5	0.6501E-04	82.5-112.5	0.5840E-04	45	0- 30	0.1601E-03	90-120	0.1453E-03
60-75.00	0.5241E-02	-7.5 TO 22.5	0.3485E-04	82.5-112.5	0.2928E-04	60	0- 30	0.1005E-03	90-120	0.8692E-04
75-89.43	0.5407E-02	-7.5 TO 22.5	0.7059E-05	82.5-112.5	0.4468E-05	75	0- 30	0.3987E-04	90-120	0.2943E-04
0-15.00	0.1111E-02	-7.5 TO 37.5	0.1232E-03	82.5-127.5	0.1207E-03	0	0- 45	0.3734E-03	90-135	0.3734E-03
15-30.00	0.3256E-02	-7.5 TO 37.5	0.1130E-03	82.5-127.5	0.1078E-03	15	0- 45	0.3624E-03	90-135	0.3506E-03
30-45.00	0.5180E-02	-7.5 TO 37.5	0.9235E-04	82.5-127.5	0.8541E-04	30	0- 45	0.3144E-03	90-135	0.2943E-03
45-60.00	0.6751E-02	-7.5 TO 37.5	0.6477E-04	82.5-127.5	0.5769E-04	45	0- 45	0.2391E-03	90-135	0.2159E-03
60-75.00	0.7861E-02	-7.5 TO 37.5	0.3464E-04	82.5-127.5	0.2870E-04	60	0- 45	0.1499E-03	90-135	0.1285E-03
75-89.43	0.8110E-02	-7.5 TO 37.5	0.6945E-05	82.5-127.5	0.4214E-05	75	0- 45	0.5906E-04	90-135	0.4275E-04
0-15.00	0.1481E-02	-7.5 TO 52.5	0.1231E-03	82.5-142.5	0.1205E-03	0	0- 60	0.4979E-03	90-150	0.4979E-03
15-30.00	0.4342E-02	-7.5 TO 52.5	0.1128E-03	82.5-142.5	0.1073E-03	15	0- 60	0.4822E-03	90-150	0.4662E-03
30-45.00	0.6907E-02	-7.5 TO 52.5	0.9200E-04	82.5-142.5	0.8477E-04	30	0- 60	0.4176E-03	90-150	0.3903E-03
45-60.00	0.9001E-02	-7.5 TO 52.5	0.6441E-04	82.5-142.5	0.5706E-04	45	0- 60	0.3170E-03	90-150	0.2855E-03
60-75.00	0.1048E-01	-7.5 TO 52.5	0.3434E-04	82.5-142.5	0.2817E-04	60	0- 60	0.1981E-03	90-150	0.1691E-03
75-89.43	0.1081E-01	-7.5 TO 52.5	0.6785E-05	82.5-142.5	0.3989E-05	75	0- 60	0.7743E-04	90-150	0.5535E-04
0-15.00	0.1851E-02	-7.5 TO 67.5	0.1229E-03	82.5-157.5	0.1203E-03	0	0- 75	0.6224E-03	90-165	0.6224E-03
15-30.00	0.5427E-02	-7.5 TO 67.5	0.1124E-03	82.5-157.5	0.1069E-03	15	0- 75	0.6014E-03	90-165	0.5814E-03
30-45.00	0.8633E-02	-7.5 TO 67.5	0.9155E-04	82.5-157.5	0.8422E-04	30	0- 75	0.5197E-03	90-165	0.4856E-03
45-60.00	0.1125E-01	-7.5 TO 67.5	0.6394E-04	82.5-157.5	0.5650E-04	45	0- 75	0.3935E-03	90-165	0.3543E-03
60-75.00	0.1310E-01	-7.5 TO 67.5	0.3394E-04	82.5-157.5	0.2771E-04	60	0- 75	0.2451E-03	90-165	0.2091E-03
75-89.43	0.1352E-01	-7.5 TO 67.5	0.6595E-05	82.5-157.5	0.3800E-05	75	0- 75	0.9482E-04	90-165	0.6746E-04
0-15.00	0.2221E-02	-7.5 TO 82.5	0.1227E-03	82.5-172.5	0.1201E-03	0	0- 90	0.7469E-03	90-180	0.7469E-03
15-30.00	0.6513E-02	-7.5 TO 82.5	0.1120E-03	82.5-172.5	0.1065E-03	15	0- 90	0.7198E-03	90-180	0.6964E-03
30-45.00	0.1036E-01	-7.5 TO 82.5	0.9101E-04	82.5-172.5	0.8376E-04	30	0- 90	0.6204E-03	90-180	0.5805E-03
45-60.00	0.1350E-01	-7.5 TO 82.5	0.6339E-04	82.5-172.5	0.5604E-04	45	0- 90	0.4685E-03	90-180	0.4227E-03
60-75.00	0.1572E-01	-7.5 TO 82.5	0.3348E-04	82.5-172.5	0.2733E-04	60	0- 90	0.2906E-03	90-180	0.2488E-03
75-89.43	0.1622E-01	-7.5 TO 82.5	0.6378E-05	82.5-172.5	0.3649E-05	75	0- 90	0.1111E-03	90-180	0.7932E-04
0-15.00	0.2592E-02	-7.5 TO 97.5	0.1225E-03	82.5-187.5	0.1200E-03	0	0-105	0.8714E-03	90-195	0.8714E-03
15-30.00	0.7598E-02	-7.5 TO 97.5	0.1116E-03	82.5-187.5	0.1063E-03	15	0-105	0.8374E-03	90-195	0.8115E-03
30-45.00	0.1209E-01	-7.5 TO 97.5	0.9041E-04	82.5-187.5	0.8340E-04	30	0-105	0.7197E-03	90-195	0.6755E-03
45-60.00	0.1575E-01	-7.5 TO 97.5	0.6279E-04	82.5-187.5	0.5568E-04	45	0-105	0.5419E-03	90-195	0.4911E-03
60-75.00	0.1834E-01	-7.5 TO 97.5	0.3297E-04	82.5-187.5	0.2704E-04	60	0-105	0.3348E-03	90-195	0.2884E-03
75-89.43	0.1892E-01	-7.5 TO 97.5	0.6144E-05	82.5-187.5	0.3534E-05	75	0-105	0.1264E-03	90-195	0.9118E-04

r_2/r_1 = 0.90 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0095 $\cosh \mu_2$ = 5.5450 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 127.14

0-15.00	0.3702E-03	-7.5 TO 7.5	0.2396E-03	82.5- 97.5	0.2336E-03	0	0- 15	0.2399E-03	90-105	0.2399E-03
15-30.00	0.1085E-02	-7.5 TO 7.5	0.2225E-03	82.5- 97.5	0.2100E-03	15	0- 15	0.2361E-03	90-105	0.2263E-03
30-45.00	0.1727E-02	-7.5 TO 7.5	0.1843E-03	82.5- 97.5	0.1676E-03	30	0- 15	0.2079E-03	90-105	0.1910E-03
45-60.00	0.2250E-02	-7.5 TO 7.5	0.1314E-03	82.5- 97.5	0.1143E-03	45	0- 15	0.1607E-03	90-105	0.1411E-03
60-75.00	0.2622E-02	-7.5 TO 7.5	0.7222E-04	82.5- 97.5	0.5792E-04	60	0- 15	0.1028E-03	90-105	0.8478E-04
75-89.43	0.2703E-02	-7.5 TO 7.5	0.1655E-04	82.5- 97.5	0.9253E-05	75	0- 15	0.4283E-04	90-105	0.2916E-04
0-15.00	0.7405E-03	-7.5 TO 22.5	0.2395E-03	82.5-112.5	0.2329E-03	0	0- 30	0.4797E-03	90-120	0.4797E-03
15-30.00	0.2171E-02	-7.5 TO 22.5	0.2223E-03	82.5-112.5	0.2084E-03	15	0- 30	0.4717E-03	90-120	0.4505E-03
30-45.00	0.3453E-02	-7.5 TO 22.5	0.1840E-03	82.5-112.5	0.1655E-03	30	0- 30	0.4148E-03	90-120	0.3784E-03
45-60.00	0.4501E-02	-7.5 TO 22.5	0.1311E-03	82.5-112.5	0.1122E-03	45	0- 30	0.3201E-03	90-120	0.2780E-03
60-75.00	0.5241E-02	-7.5 TO 22.5	0.7196E-04	82.5-112.5	0.5622E-04	60	0- 30	0.2044E-03	90-120	0.1658E-03
75-89.43	0.5407E-02	-7.5 TO 22.5	0.1639E-04	82.5-112.5	0.8519E-05	75	0- 30	0.8476E-04	90-120	0.5556E-04
0-15.00	0.1111E-02	-7.5 TO 37.5	0.2392E-03	82.5-127.5	0.2321E-03	0	0- 45	0.7196E-03	90-135	0.7196E-03
15-30.00	0.3256E-02	-7.5 TO 37.5	0.2218E-03	82.5-127.5	0.2069E-03	15	0- 45	0.7061E-03	90-135	0.6727E-03
30-45.00	0.5180E-02	-7.5 TO 37.5	0.1833E-03	82.5-127.5	0.1636E-03	30	0- 45	0.6197E-03	90-135	0.5625E-03
45-60.00	0.6751E-02	-7.5 TO 37.5	0.1304E-03	82.5-127.5	0.1103E-03	45	0- 45	0.4771E-03	90-135	0.4113E-03
60-75.00	0.7861E-02	-7.5 TO 37.5	0.7137E-04	82.5-127.5	0.5463E-04	60	0- 45	0.3039E-03	90-135	0.2436E-03
75-89.43	0.8110E-02	-7.5 TO 37.5	0.1602E-04	82.5-127.5	0.7848E-05	75	0- 45	0.1250E-03	90-135	0.7957E-04
0-15.00	0.1481E-02	-7.5 TO 52.5	0.2389E-03	82.5-142.5	0.2315E-03	0	0- 60	0.9594E-03	90-150	0.9594E-03
15-30.00	0.4342E-02	-7.5 TO 52.5	0.2210E-03	82.5-142.5	0.2055E-03	15	0- 60	0.9388E-03	90-150	0.8933E-03
30-45.00	0.6907E-02	-7.5 TO 52.5	0.1823E-03	82.5-142.5	0.1618E-03	30	0- 60	0.8217E-03	90-150	0.7440E-03
45-60.00	0.9001E-02	-7.5 TO 52.5	0.1293E-03	82.5-142.5	0.1085E-03	45	0- 60	0.6309E-03	90-150	0.5416E-03
60-75.00	0.1048E-01	-7.5 TO 52.5	0.7049E-04	82.5-142.5	0.5319E-04	60	0- 60	0.4003E-03	90-150	0.3188E-03
75-89.43	0.1081E-01	-7.5 TO 52.5	0.1549E-04	82.5-142.5	0.7281E-05	75	0- 60	0.1629E-03	90-150	0.1017E-03
0-15.00	0.1851E-02	-7.5 TO 67.5	0.2384E-03	82.5-157.5	0.2309E-03	0	0- 75	0.1199E-02	90-165	0.1199E-02
15-30.00	0.5427E-02	-7.5 TO 67.5	0.2201E-03	82.5-157.5	0.2043E-03	15	0- 75	0.1170E-02	90-165	0.1113E-02
30-45.00	0.8633E-02	-7.5 TO 67.5	0.1810E-03	82.5-157.5	0.1602E-03	30	0- 75	0.1020E-02	90-165	0.9237E-03
45-60.00	0.1125E-01	-7.5 TO 67.5	0.1280E-03	82.5-157.5	0.1070E-03	45	0- 75	0.7807E-03	90-165	0.6699E-03
60-75.00	0.1310E-01	-7.5 TO 67.5	0.6936E-04	82.5-157.5	0.5195E-04	60	0- 75	0.4930E-03	90-165	0.3922E-03
75-89.43	0.1352E-01	-7.5 TO 67.5	0.1485E-04	82.5-157.5	0.6814E-05	75	0- 75	0.1980E-03	90-165	0.1225E-03
0-15.00	0.2221E-02	-7.5 TO 82.5	0.2379E-03	82.5-172.5	0.2304E-03	0	0- 90	0.1439E-02	90-180	0.1439E-02
15-30.00	0.6513E-02	-7.5 TO 82.5	0.2189E-03	82.5-172.5	0.2033E-03	15	0- 90	0.1398E-02	90-180	0.1332E-02
30-45.00	0.1036E-01	-7.5 TO 82.5	0.1795E-03	82.5-172.5	0.1590E-03	30	0- 90	0.1215E-02	90-180	0.1102E-02
45-60.00	0.1350E-01	-7.5 TO 82.5	0.1264E-03	82.5-172.5	0.1057E-03	45	0- 90	0.9262E-03	90-180	0.7972E-03
60-75.00	0.1572E-01	-7.5 TO 82.5	0.6804E-04	82.5-172.5	0.5092E-04	60	0- 90	0.5818E-03	90-180	0.4646E-03
75-89.43	0.1622E-01	-7.5 TO 82.5	0.1417E-04	82.5-172.5	0.6440E-05	75	0- 90	0.2302E-03	90-180	0.1427E-03
0-15.00	0.2592E-02	-7.5 TO 97.5	0.2373E-03	82.5-187.5	0.2300E-03	0	0-105	0.1679E-02	90-195	0.1679E-02
15-30.00	0.7598E-02	-7.5 TO 97.5	0.2176E-03	82.5-187.5	0.2026E-03	15	0-105	0.1624E-02	90-195	0.1551E-02
30-45.00	0.1209E-01	-7.5 TO 97.5	0.1778E-03	82.5-187.5	0.1580E-03	30	0-105	0.1406E-02	90-195	0.1281E-02
45-60.00	0.1575E-01	-7.5 TO 97.5	0.1247E-03	82.5-187.5	0.1047E-03	45	0-105	0.1067E-02	90-195	0.9244E-03
60-75.00	0.1834E-01	-7.5 TO 97.5	0.6659E-04	82.5-187.5	0.5014E-04	60	0-105	0.6665E-03	90-195	0.5371E-03
75-89.43	0.1892E-01	-7.5 TO 97.5	0.1347E-04	82.5-187.5	0.6155E-05	75	0-105	0.2593E-03	90-195	0.1629E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0095 $\cosh \mu_2$ = 5.5450 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 110.57

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3702E-03	-7.5 TO 7.5	0.3457E-03	82.5- 97.5	0.3345E-03	0	0- 15	0.3434E-03	90-105	0.3434E-03
15-30.00	0.1085E-02	-7.5 TO 7.5	0.3245E-03	82.5- 97.5	0.3008E-03	15	0- 15	0.3422E-03	90-105	0.3236E-03
30-45.00	0.1727E-02	-7.5 TO 7.5	0.2719E-03	82.5- 97.5	0.2404E-03	30	0- 15	0.3049E-03	90-105	0.2730E-03
45-60.00	0.2250E-02	-7.5 TO 7.5	0.1963E-03	82.5- 97.5	0.1642E-03	45	0- 15	0.2384E-03	90-105	0.2016E-03
60-75.00	0.2620E-02	-7.5 TO 7.5	0.1100E-03	82.5- 97.5	0.8345E-04	60	0- 15	0.1548E-03	90-105	0.1212E-03
75-89.43	0.2703E-02	-7.5 TO 7.5	0.2735E-04	82.5- 97.5	0.1344E-04	75	0- 15	0.6664E-04	90-105	0.4165E-04
0-15.00	0.7405E-03	-7.5 TO 22.5	0.3455E-03	82.5-112.5	0.3331E-03	0	0- 30	0.6868E-03	90-120	0.6868E-03
15-30.00	0.2171E-02	-7.5 TO 22.5	0.3241E-03	82.5-112.5	0.2979E-03	15	0- 30	0.6832E-03	90-120	0.6432E-03
30-45.00	0.3453E-02	-7.5 TO 22.5	0.2714E-03	82.5-112.5	0.2365E-03	30	0- 30	0.6078E-03	90-120	0.5391E-03
45-60.00	0.4501E-02	-7.5 TO 22.5	0.1957E-03	82.5-112.5	0.1604E-03	45	0- 30	0.4745E-03	90-120	0.3955E-03
60-75.00	0.5241E-02	-7.5 TO 22.5	0.1095E-03	82.5-112.5	0.8038E-04	60	0- 30	0.3073E-03	90-120	0.2355E-03
75-89.43	0.5407E-02	-7.5 TO 22.5	0.2704E-04	82.5-112.5	0.1216E-04	75	0- 30	0.1316E-03	90-120	0.7845E-04
0-15.00	0.1111E-02	-7.5 TO 37.5	0.3451E-03	82.5-127.5	0.3318E-03	0	0- 45	0.1030E-02	90-135	0.1030E-02
15-30.00	0.3256E-02	-7.5 TO 37.5	0.3232E-03	82.5-127.5	0.2951E-03	15	0- 45	0.1022E-02	90-135	0.9591E-03
30-45.00	0.5180E-02	-7.5 TO 37.5	0.2701E-03	82.5-127.5	0.2329E-03	30	0- 45	0.9068E-03	90-135	0.7992E-03
45-60.00	0.6751E-02	-7.5 TO 37.5	0.1944E-03	82.5-127.5	0.1568E-03	45	0- 45	0.7061E-03	90-135	0.5827E-03
60-75.00	0.7861E-02	-7.5 TO 37.5	0.1084E-03	82.5-127.5	0.7753E-04	60	0- 45	0.4558E-03	90-135	0.3441E-03
75-89.43	0.8110E-02	-7.5 TO 37.5	0.2634E-04	82.5-127.5	0.1102E-04	75	0- 45	0.1934E-03	90-135	0.1111E-03
0-15.00	0.1481E-02	-7.5 TO 52.5	0.3444E-03	82.5-142.5	0.3305E-03	0	0- 60	0.1374E-02	90-150	0.1374E-02
15-30.00	0.4342E-02	-7.5 TO 52.5	0.3217E-03	82.5-142.5	0.2925E-03	15	0- 60	0.1358E-02	90-150	0.1272E-02
30-45.00	0.6907E-02	-7.5 TO 52.5	0.2682E-03	82.5-142.5	0.2296E-03	30	0- 60	0.1201E-02	90-150	0.1055E-02
45-60.00	0.9001E-02	-7.5 TO 52.5	0.1924E-03	82.5-142.5	0.1536E-03	45	0- 60	0.9314E-03	90-150	0.7645E-03
60-75.00	0.1048E-01	-7.5 TO 52.5	0.1067E-03	82.5-142.5	0.7498E-04	60	0- 60	0.5984E-03	90-150	0.4479E-03
75-89.43	0.1081E-01	-7.5 TO 52.5	0.2532E-04	82.5-142.5	0.1007E-04	75	0- 60	0.2509E-03	90-150	0.1406E-03
0-15.00	0.1851E-02	-7.5 TO 67.5	0.3436E-03	82.5-157.5	0.3294E-03	0	0- 75	0.1717E-02	90-165	0.1717E-02
15-30.00	0.5427E-02	-7.5 TO 67.5	0.3199E-03	82.5-157.5	0.2903E-03	15	0- 75	0.1690E-02	90-165	0.1583E-02
30-45.00	0.8633E-02	-7.5 TO 67.5	0.2657E-03	82.5-157.5	0.2268E-03	30	0- 75	0.1488E-02	90-165	0.1306E-02
45-60.00	0.1125E-01	-7.5 TO 67.5	0.1899E-03	82.5-157.5	0.1508E-03	45	0- 75	0.1149E-02	90-165	0.9427E-03
60-75.00	0.1310E-01	-7.5 TO 67.5	0.1046E-03	82.5-157.5	0.7278E-04	60	0- 75	0.7343E-03	90-165	0.5486E-03
75-89.43	0.1352E-01	-7.5 TO 67.5	0.2407E-04	82.5-157.5	0.9300E-05	75	0- 75	0.3033E-03	90-165	0.1678E-03
0-15.00	0.2221E-02	-7.5 TO 82.5	0.3425E-03	82.5-172.5	0.3285E-03	0	0- 90	0.2060E-02	90-180	0.2060E-02
15-30.00	0.6513E-02	-7.5 TO 82.5	0.3177E-03	82.5-172.5	0.2884E-03	15	0- 90	0.2018E-02	90-180	0.1893E-02
30-45.00	0.1036E-01	-7.5 TO 82.5	0.2628E-03	82.5-172.5	0.2244E-03	30	0- 90	0.1768E-02	90-180	0.1597E-02
45-60.00	0.1350E-01	-7.5 TO 82.5	0.1869E-03	82.5-172.5	0.1485E-03	45	0- 90	0.1359E-02	90-180	0.1119E-02
60-75.00	0.1572E-01	-7.5 TO 82.5	0.1021E-03	82.5-172.5	0.7097E-04	60	0- 90	0.8628E-03	90-180	0.6477E-03
75-89.43	0.1622E-01	-7.5 TO 82.5	0.2276E-04	82.5-172.5	0.8681E-05	75	0- 90	0.3502E-03	90-180	0.1940E-03
0-15.00	0.2592E-02	-7.5 TO 97.5	0.3414E-03	82.5-187.5	0.3278E-03	0	0-105	0.2404E-02	90-195	0.2404E-02
15-30.00	0.7598E-02	-7.5 TO 97.5	0.3153E-03	82.5-187.5	0.2870E-03	15	0-105	0.2341E-02	90-195	0.2203E-02
30-45.00	0.1209E-01	-7.5 TO 97.5	0.2596E-03	82.5-187.5	0.2226E-03	30	0-105	0.2041E-02	90-195	0.1807E-02
45-60.00	0.1575E-01	-7.5 TO 97.5	0.1837E-03	82.5-187.5	0.1467E-03	45	0-105	0.1561E-02	90-195	0.1295E-02
60-75.00	0.1834E-01	-7.5 TO 97.5	0.9947E-04	82.5-187.5	0.6958E-04	60	0-105	0.9840E-03	90-195	0.7467E-03
75-89.43	0.1892E-01	-7.5 TO 97.5	0.2143E-04	82.5-187.5	0.8210E-05	75	0-105	0.3919E-03	90-195	0.2201E-03

r_2/r_1 = 0.90 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0095 $\cosh \mu_2$ = 5.5450 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 94.72

0-15.00	0.3702E-03	-7.5 TO 7.5	0.4118E-03	82.5- 97.5	0.3953E-03	0	0- 15	0.4057E-03	90-105	0.4057E-03
15-30.00	0.1085E-02	-7.5 TO 7.5	0.3907E-03	82.5- 97.5	0.3556E-03	15	0- 15	0.4092E-03	90-105	0.3818E-03
30-45.00	0.1727E-02	-7.5 TO 7.5	0.3310E-03	82.5- 97.5	0.2845E-03	30	0- 15	0.3689E-03	90-105	0.3218E-03
45-60.00	0.2250E-02	-7.5 TO 7.5	0.2415E-03	82.5- 97.5	0.1947E-03	45	0- 15	0.2917E-03	90-105	0.2376E-03
60-75.00	0.2620E-02	-7.5 TO 7.5	0.1371E-03	82.5- 97.5	0.9916E-04	60	0- 15	0.1916E-03	90-105	0.1429E-03
75-89.43	0.2703E-02	-7.5 TO 7.5	0.3576E-04	82.5- 97.5	0.1608E-04	75	0- 15	0.8422E-04	90-105	0.4918E-04
0-15.00	0.7405E-03	-7.5 TO 22.5	0.4115E-03	82.5-112.5	0.3932E-03	0	0- 30	0.8114E-03	90-120	0.8114E-03
15-30.00	0.2171E-02	-7.5 TO 22.5	0.3901E-03	82.5-112.5	0.3513E-03	15	0- 30	0.8168E-03	90-120	0.7576E-03
30-45.00	0.3453E-02	-7.5 TO 22.5	0.3301E-03	82.5-112.5	0.2789E-03	30	0- 30	0.7349E-03	90-120	0.6337E-03
45-60.00	0.4501E-02	-7.5 TO 22.5	0.2406E-03	82.5-112.5	0.1892E-03	45	0- 30	0.5800E-03	90-120	0.4642E-03
60-75.00	0.5241E-02	-7.5 TO 22.5	0.1364E-03	82.5-112.5	0.9488E-04	60	0- 30	0.3799E-03	90-120	0.2763E-03
75-89.43	0.5407E-02	-7.5 TO 22.5	0.3531E-04	82.5-112.5	0.1438E-04	75	0- 30	0.1660E-03	90-120	0.9184E-04
0-15.00	0.1111E-02	-7.5 TO 37.5	0.4109E-03	82.5-127.5	0.3912E-03	0	0- 45	0.1217E-02	90-135	0.1217E-02
15-30.00	0.3256E-02	-7.5 TO 37.5	0.3887E-03	82.5-127.5	0.3472E-03	15	0- 45	0.1221E-02	90-135	0.1128E-02
30-45.00	0.5180E-02	-7.5 TO 37.5	0.3283E-03	82.5-127.5	0.2736E-03	30	0- 45	0.1095E-02	90-135	0.9368E-03
45-60.00	0.6751E-02	-7.5 TO 37.5	0.2387E-03	82.5-127.5	0.1841E-03	45	0- 45	0.8616E-03	90-135	0.6812E-03
60-75.00	0.7861E-02	-7.5 TO 37.5	0.1348E-03	82.5-127.5	0.9095E-04	60	0- 45	0.5622E-03	90-135	0.4014E-03
75-89.43	0.8110E-02	-7.5 TO 37.5	0.3432E-04	82.5-127.5	0.1290E-04	75	0- 45	0.2433E-03	90-135	0.1290E-03
0-15.00	0.1481E-02	-7.5 TO 52.5	0.4099E-03	82.5-142.5	0.3894E-03	0	0- 60	0.1623E-02	90-150	0.1623E-02
15-30.00	0.4342E-02	-7.5 TO 52.5	0.3865E-03	82.5-142.5	0.3435E-03	15	0- 60	0.1621E-02	90-150	0.1494E-02
30-45.00	0.6907E-02	-7.5 TO 52.5	0.3254E-03	82.5-142.5	0.2689E-03	30	0- 60	0.1448E-02	90-150	0.1233E-02
45-60.00	0.9001E-02	-7.5 TO 52.5	0.2358E-03	82.5-142.5	0.1795E-03	45	0- 60	0.1134E-02	90-150	0.8935E-03
60-75.00	0.1048E-01	-7.5 TO 52.5	0.1324E-03	82.5-142.5	0.8745E-04	60	0- 60	0.7360E-03	90-150	0.5201E-03
75-89.43	0.1081E-01	-7.5 TO 52.5	0.3286E-04	82.5-142.5	0.1168E-04	75	0- 60	0.3145E-03	90-150	0.1621E-03
0-15.00	0.1851E-02	-7.5 TO 67.5	0.4086E-03	82.5-157.5	0.3878E-03	0	0- 75	0.2028E-02	90-165	0.2028E-02
15-30.00	0.5427E-02	-7.5 TO 67.5	0.3838E-03	82.5-157.5	0.3402E-03	15	0- 75	0.2015E-02	90-165	0.1858E-02
30-45.00	0.8633E-02	-7.5 TO 67.5	0.3217E-03	82.5-157.5	0.2647E-03	30	0- 75	0.1790E-02	90-165	0.1524E-02
45-60.00	0.1125E-01	-7.5 TO 67.5	0.2321E-03	82.5-157.5	0.1756E-03	45	0- 75	0.1395E-02	90-165	0.1095E-02
60-75.00	0.1310E-01	-7.5 TO 67.5	0.1294E-03	82.5-157.5	0.8446E-04	60	0- 75	0.8999E-03	90-165	0.6345E-03
75-89.43	0.1352E-01	-7.5 TO 67.5	0.3109E-04	82.5-157.5	0.1070E-04	75	0- 75	0.3784E-03	90-165	0.1923E-03
0-15.00	0.2221E-02	-7.5 TO 82.5	0.4071E-03	82.5-172.5	0.3864E-03	0	0- 90	0.2434E-02	90-180	0.2434E-02
15-30.00	0.6513E-02	-7.5 TO 82.5	0.3806E-03	82.5-172.5	0.3375E-03	15	0- 90	0.2403E-02	90-180	0.2219E-02
30-45.00	0.1036E-01	-7.5 TO 82.5	0.3175E-03	82.5-172.5	0.2613E-03	30	0- 90	0.2123E-02	90-180	0.1813E-02
45-60.00	0.1350E-01	-7.5 TO 82.5	0.2277E-03	82.5-172.5	0.1723E-03	45	0- 90	0.1645E-02	90-180	0.1296E-02
60-75.00	0.1572E-01	-7.5 TO 82.5	0.1258E-03	82.5-172.5	0.8201E-04	60	0- 90	0.1053E-02	90-180	0.7466E-03
75-89.43	0.1622E-01	-7.5 TO 82.5	0.2920E-04	82.5-172.5	0.9911E-05	75	0- 90	0.4349E-03	90-180	0.2211E-03
0-15.00	0.2592E-02	-7.5 TO 97.5	0.4054E-03	82.5-187.5	0.3854E-03	0	0-105	0.2840E-02	90-195	0.2840E-02
15-30.00	0.7598E-02	-7.5 TO 97.5	0.3770E-03	82.5-187.5	0.3354E-03	15	0-105	0.2785E-02	90-195	0.2581E-02
30-45.00	0.1209E-01	-7.5 TO 97.5	0.3128E-03	82.5-187.5	0.2587E-03	30	0-105	0.2445E-02	90-195	0.2101E-02
45-60.00	0.1575E-01	-7.5 TO 97.5	0.2230E-03	82.5-187.5	0.1698E-03	45	0-105	0.1883E-02	90-195	0.1497E-02
60-75.00	0.1834E-01	-7.5 TO 97.5	0.1220E-03	82.5-187.5	0.8013E-04	60	0-105	0.1196E-02	90-195	0.8586E-03
75-89.43	0.1892E-01	-7.5 TO 97.5	0.2733E-04	82.5-187.5	0.9314E-05	75	0-105	0.4841E-03	90-195	0.2500E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0095 $\cosh \mu_2$ = 5.5450 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 79.61

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3702E-03	-7.5 TO 7.5	0.4255E-03	82.5- 97.5	0.4060E-03	0	0- 15	0.4167E-03	90-105	0.4167E-03
15-30.00	0.1085E-02	-7.5 TO 7.5	0.4072E-03	82.5- 97.5	0.3654E-03	15	0- 15	0.4242E-03	90-105	0.3917E-03
30-45.00	0.1727E-02	-7.5 TO 7.5	0.3482E-03	82.5- 97.5	0.2925E-03	30	0- 15	0.3862E-03	90-105	0.3300E-03
45-60.00	0.2250E-02	-7.5 TO 7.5	0.2563E-03	82.5- 97.5	0.2003E-03	45	0- 15	0.3083E-03	90-105	0.2436E-03
60-75.00	0.2620E-02	-7.5 TO 7.5	0.1468E-03	82.5- 97.5	0.1021E-03	60	0- 15	0.2042E-03	90-105	0.1466E-03
75-89.43	0.2703E-02	-7.5 TO 7.5	0.3895E-04	82.5- 97.5	0.1660E-04	75	0- 15	0.9068E-04	90-105	0.5047E-04
0-15.00	0.7405E-03	-7.5 TO 22.5	0.4252E-03	82.5-112.5	0.4035E-03	0	0- 30	0.8333E-03	90-120	0.8333E-03
15-30.00	0.2171E-02	-7.5 TO 22.5	0.4064E-03	82.5-112.5	0.3603E-03	15	0- 30	0.8463E-03	90-120	0.7766E-03
30-45.00	0.3453E-02	-7.5 TO 22.5	0.3472E-03	82.5-112.5	0.2860E-03	30	0- 30	0.7688E-03	90-120	0.6485E-03
45-60.00	0.4501E-02	-7.5 TO 22.5	0.2553E-03	82.5-112.5	0.1940E-03	45	0- 30	0.6122E-03	90-120	0.4747E-03
60-75.00	0.5241E-02	-7.5 TO 22.5	0.1459E-03	82.5-112.5	0.9737E-04	60	0- 30	0.4044E-03	90-120	0.2824E-03
75-89.43	0.5407E-02	-7.5 TO 22.5	0.3843E-04	82.5-112.5	0.1478E-04	75	0- 30	0.1785E-03	90-120	0.9390E-04
0-15.00	0.1111E-02	-7.5 TO 37.5	0.4244E-03	82.5-127.5	0.4012E-03	0	0- 45	0.1250E-02	90-135	0.1250E-02
15-30.00	0.3256E-02	-7.5 TO 37.5	0.4047E-03	82.5-127.5	0.3556E-03	15	0- 45	0.1265E-02	90-135	0.1155E-02
30-45.00	0.5181E-02	-7.5 TO 37.5	0.3448E-03	82.5-127.5	0.2800E-03	30	0- 45	0.1144E-02	90-135	0.9571E-03
45-60.00	0.6751E-02	-7.5 TO 37.5	0.2529E-03	82.5-127.5	0.1883E-03	45	0- 45	0.9080E-03	90-135	0.6949E-03
60-75.00	0.7861E-02	-7.5 TO 37.5	0.1440E-03	82.5-127.5	0.9304E-04	60	0- 45	0.5971E-03	90-135	0.4092E-03
75-89.43	0.8110E-02	-7.5 TO 37.5	0.3727E-04	82.5-127.5	0.1321E-04	75	0- 45	0.2609E-03	90-135	0.1315E-03
0-15.00	0.1481E-02	-7.5 TO 52.5	0.4232E-03	82.5-142.5	0.3991E-03	0	0- 60	0.1667E-02	90-150	0.1667E-02
15-30.00	0.4342E-02	-7.5 TO 52.5	0.4021E-03	82.5-142.5	0.3513E-03	15	0- 60	0.1677E-02	90-150	0.1529E-02
30-45.00	0.6907E-02	-7.5 TO 52.5	0.3414E-03	82.5-142.5	0.2746E-03	30	0- 60	0.1510E-02	90-150	0.1258E-02
45-60.00	0.9001E-02	-7.5 TO 52.5	0.2493E-03	82.5-142.5	0.1832E-03	45	0- 60	0.1193E-02	90-150	0.9068E-03
60-75.00	0.1048E-01	-7.5 TO 52.5	0.1411E-03	82.5-142.5	0.8923E-04	60	0- 60	0.7797E-03	90-150	0.5291E-03
75-89.43	0.1081E-01	-7.5 TO 52.5	0.3559E-04	82.5-142.5	0.1193E-04	75	0- 60	0.3361E-03	90-150	0.1648E-03
0-15.00	0.1851E-02	-7.5 TO 67.5	0.4217E-03	82.5-157.5	0.3973E-03	0	0- 75	0.2083E-02	90-165	0.2083E-02
15-30.00	0.5427E-02	-7.5 TO 67.5	0.3989E-03	82.5-157.5	0.3476E-03	15	0- 75	0.2084E-02	90-165	0.1899E-02
30-45.00	0.8633E-02	-7.5 TO 67.5	0.3369E-03	82.5-157.5	0.2700E-03	30	0- 75	0.1865E-02	90-165	0.1553E-02
45-60.00	0.1125E-01	-7.5 TO 67.5	0.2448E-03	82.5-157.5	0.1788E-03	45	0- 75	0.1464E-02	90-165	0.1113E-02
60-75.00	0.1310E-01	-7.5 TO 67.5	0.1374E-03	82.5-157.5	0.8600E-04	60	0- 75	0.9505E-03	90-165	0.6443E-03
75-89.43	0.1352E-01	-7.5 TO 67.5	0.3355E-04	82.5-157.5	0.1090E-04	75	0- 75	0.4030E-03	90-165	0.1952E-03
0-15.00	0.2221E-02	-7.5 TO 82.5	0.4199E-03	82.5-172.5	0.3957E-03	0	0- 90	0.2500E-02	90-180	0.2500E-02
15-30.00	0.6513E-02	-7.5 TO 82.5	0.3950E-03	82.5-172.5	0.3445E-03	15	0- 90	0.2483E-02	90-180	0.2268E-02
30-45.00	0.1036E-01	-7.5 TO 82.5	0.3318E-03	82.5-172.5	0.2661E-03	30	0- 90	0.2207E-02	90-180	0.1845E-02
45-60.00	0.1350E-01	-7.5 TO 82.5	0.2396E-03	82.5-172.5	0.1752E-03	45	0- 90	0.1721E-02	90-180	0.1316E-02
60-75.00	0.1572E-01	-7.5 TO 82.5	0.1333E-03	82.5-172.5	0.8336E-04	60	0- 90	0.1109E-02	90-180	0.7572E-03
75-89.43	0.1622E-01	-7.5 TO 82.5	0.3140E-04	82.5-172.5	0.1009E-04	75	0- 90	0.4615E-03	90-180	0.2242E-03
0-15.00	0.2592E-02	-7.5 TO 97.5	0.4179E-03	82.5-187.5	0.3945E-03	0	0-105	0.2917E-02	90-195	0.2917E-02
15-30.00	0.7598E-02	-7.5 TO 97.5	0.3908E-03	82.5-187.5	0.3422E-03	15	0-105	0.2875E-02	90-195	0.2636E-02
30-45.00	0.1209E-01	-7.5 TO 97.5	0.3262E-03	82.5-187.5	0.2632E-03	30	0-105	0.2537E-02	90-195	0.2138E-02
45-60.00	0.1575E-01	-7.5 TO 97.5	0.2340E-03	82.5-187.5	0.1725E-03	45	0-105	0.1965E-02	90-195	0.1519E-02
60-75.00	0.1834E-01	-7.5 TO 97.5	0.1288E-03	82.5-187.5	0.8135E-04	60	0-105	0.1256E-02	90-195	0.8700E-03
75-89.43	0.1892E-01	-7.5 TO 97.5	0.2929E-04	82.5-187.5	0.9467E-05	75	0-105	0.5120E-03	90-195	0.2531E-03

r_2/r_1 = 0.90 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0095 $\cosh \mu_2$ = 5.5450 $\alpha_{2,max}$ = 90.57 $\theta_{2,min}$ = 79.05

0-15.00	0.3702E-03	-7.5 TO 7.5	0.4255E-03	82.5- 97.5	0.4060E-03	0	0- 15	0.4167E-03	90-105	0.4167E-03
15-30.00	0.1085E-02	-7.5 TO 7.5	0.4072E-03	82.5- 97.5	0.3654E-03	15	0- 15	0.4242E-03	90-105	0.3917E-03
30-45.00	0.1727E-02	-7.5 TO 7.5	0.3482E-03	82.5- 97.5	0.2925E-03	30	0- 15	0.3862E-03	90-105	0.3300E-03
45-60.00	0.2250E-02	-7.5 TO 7.5	0.2563E-03	82.5- 97.5	0.2003E-03	45	0- 15	0.3083E-03	90-105	0.2436E-03
60-75.00	0.2620E-02	-7.5 TO 7.5	0.1468E-03	82.5- 97.5	0.1021E-03	60	0- 15	0.2042E-03	90-105	0.1466E-03
75-89.43	0.2703E-02	-7.5 TO 7.5	0.3895E-04	82.5- 97.5	0.1660E-04	75	0- 15	0.9068E-04	90-105	0.5047E-04
0-15.00	0.1405E-03	-7.5 TO 22.5	0.4252E-03	82.5-112.5	0.4035E-03	0	0- 30	0.8333E-03	90-120	0.8333E-03
15-30.00	0.2171E-02	-7.5 TO 22.5	0.4064E-03	82.5-112.5	0.3603E-03	15	0- 30	0.8463E-03	90-120	0.7766E-03
30-45.00	0.3453E-02	-7.5 TO 22.5	0.3472E-03	82.5-112.5	0.2860E-03	30	0- 30	0.7688E-03	90-120	0.6485E-03
45-60.00	0.4501E-02	-7.5 TO 22.5	0.2553E-03	82.5-112.5	0.1940E-03	45	0- 30	0.6122E-03	90-120	0.4747E-03
60-75.00	0.5241E-02	-7.5 TO 22.5	0.1459E-03	82.5-112.5	0.9737E-04	60	0- 30	0.4044E-03	90-120	0.2824E-03
75-89.43	0.5407E-02	-7.5 TO 22.5	0.3843E-04	82.5-112.5	0.1478E-04	75	0- 30	0.1785E-03	90-120	0.9390E-04
0-15.00	0.1111E-02	-7.5 TO 37.5	0.4244E-03	82.5-127.5	0.4012E-03	0	0- 45	0.1250E-02	90-135	0.1250E-02
15-30.00	0.3256E-02	-7.5 TO 37.5	0.4047E-03	82.5-127.5	0.3556E-03	15	0- 45	0.1265E-02	90-135	0.1155E-02
30-45.00	0.5180E-02	-7.5 TO 37.5	0.3448E-03	82.5-127.5	0.2800E-03	30	0- 45	0.1144E-02	90-135	0.9571E-03
45-60.00	0.6751E-02	-7.5 TO 37.5	0.2529E-03	82.5-127.5	0.1883E-03	45	0- 45	0.9080E-03	90-135	0.6949E-03
60-75.00	0.7861E-02	-7.5 TO 37.5	0.1440E-03	82.5-127.5	0.9304E-04	60	0- 45	0.5971E-03	90-135	0.4092E-03
75-89.43	0.8110E-02	-7.5 TO 37.5	0.3727E-04	82.5-127.5	0.1321E-04	75	0- 45	0.2609E-03	90-135	0.1315E-03
0-15.00	0.1481E-02	-7.5 TO 52.5	0.4232E-03	82.5-142.5	0.3991E-03	0	0- 60	0.1667E-02	90-150	0.1667E-02
15-30.00	0.4342E-02	-7.5 TO 52.5	0.4021E-03	82.5-142.5	0.3513E-03	15	0- 60	0.1677E-02	90-150	0.1529E-02
30-45.00	0.6907E-02	-7.5 TO 52.5	0.3414E-03	82.5-142.5	0.2746E-03	30	0- 60	0.1510E-02	90-150	0.1258E-02
45-60.00	0.9001E-02	-7.5 TO 52.5	0.2493E-03	82.5-142.5	0.1832E-03	45	0- 60	0.1193E-02	90-150	0.9068E-03
60-75.00	0.1048E-01	-7.5 TO 52.5	0.1411E-03	82.5-142.5	0.8923E-04	60	0- 60	0.7797E-03	90-150	0.5291E-03
75-89.43	0.1081E-01	-7.5 TO 52.5	0.3559E-04	82.5-142.5	0.1193E-04	75	0- 60	0.3361E-03	90-150	0.1648E-03
0-15.00	0.1851E-02	-7.5 TO 67.5	0.4217E-03	82.5-157.5	0.3973E-03	0	0- 75	0.2083E-02	90-165	0.2083E-02
15-30.00	0.5427E-02	-7.5 TO 67.5	0.3989E-03	82.5-157.5	0.3476E-03	15	0- 75	0.2084E-02	90-165	0.1899E-02
30-45.00	0.8633E-02	-7.5 TO 67.5	0.3369E-03	82.5-157.5	0.2700E-03	30	0- 75	0.1865E-02	90-165	0.1553E-02
45-60.00	0.1125E-01	-7.5 TO 67.5	0.2448E-03	82.5-157.5	0.1788E-03	45	0- 75	0.1464E-02	90-165	0.1113E-02
60-75.00	0.1310E-01	-7.5 TO 67.5	0.1374E-03	82.5-157.5	0.8600E-04	60	0- 75	0.9505E-03	90-165	0.6443E-03
75-89.43	0.1352E-01	-7.5 TO 67.5	0.3355E-04	82.5-157.5	0.1090E-04	75	0- 75	0.4031E-03	90-165	0.1952E-03
0-15.00	0.2221E-02	-7.5 TO 82.5	0.4199E-03	82.5-172.5	0.3957E-03	0	0- 90	0.2500E-02	90-180	0.2500E-02
15-30.00	0.6513E-02	-7.5 TO 82.5	0.3950E-03	82.5-172.5	0.3445E-03	15	0- 90	0.2483E-02	90-180	0.2268E-02
30-45.00	0.1036E-01	-7.5 TO 82.5	0.3318E-03	82.5-172.5	0.2661E-03	30	0- 90	0.2207E-02	90-180	0.1845E-02
45-60.00	0.1350E-01	-7.5 TO 82.5	0.2396E-03	82.5-172.5	0.1752E-03	45	0- 90	0.1721E-02	90-180	0.1316E-02
60-75.00	0.1572E-01	-7.5 TO 82.5	0.1333E-03	82.5-172.5	0.8336E-04	60	0- 90	0.1109E-02	90-180	0.7572E-03
75-89.43	0.1622E-01	-7.5 TO 82.5	0.3140E-04	82.5-172.5	0.1009E-04	75	0- 90	0.4615E-03	90-180	0.2242E-03
0-15.00	0.2592E-02	-7.5 TO 97.5	0.4179E-03	82.5-187.5	0.3945E-03	0	0-105	0.2917E-02	90-195	0.2917E-02
15-30.00	0.7598E-02	-7.5 TO 97.5	0.3908E-03	82.5-187.5	0.3422E-03	15	0-105	0.2875E-02	90-195	0.2636E-02
30-45.00	0.1209E-01	-7.5 TO 97.5	0.3262E-03	82.5-187.5	0.2632E-03	30	0-105	0.2537E-02	90-195	0.2138E-02
45-60.00	0.1575E-01	-7.5 TO 97.5	0.2340E-03	82.5-187.5	0.1725E-03	45	0-105	0.1965E-02	90-195	0.1519E-02
60-75.00	0.1834E-01	-7.5 TO 97.5	0.1288E-03	82.5-187.5	0.8135E-04	60	0-105	0.1256E-02	90-195	0.8700E-03
75-89.43	0.1892E-01	-7.5 TO 97.5	0.2929E-04	82.5-187.5	0.9467E-05	75	0-105	0.5120E-03	90-195	0.2531E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0047 $\cosh \mu_2$ = 11.1058 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 163.60

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.9002E-04	-7.5 TO 7.5	0.6756E-05	82.5- 97.5	0.6733E-05	0	0- 15	0.6876E-05	90-105	0.6876E-05
15-30.00	0.2639E-03	-7.5 TO 7.5	0.6226E-05	82.5- 97.5	0.6176E-05	15	0- 15	0.6624E-05	90-105	0.6585E-05
30-45.00	0.4198E-03	-7.5 TO 7.5	0.5206E-05	82.5- 97.5	0.5135E-05	30	0- 15	0.5828E-05	90-105	0.5759E-05
45-60.00	0.5472E-03	-7.5 TO 7.5	0.3816E-05	82.5- 97.5	0.3739E-05	45	0- 15	0.4590E-05	90-105	0.4505E-05
60-75.00	0.6372E-03	-7.5 TO 7.5	0.2211E-05	82.5- 97.5	0.2140E-05	60	0- 15	0.3056E-05	90-105	0.2971E-05
75-89.71	0.6706E-03	-7.5 TO 7.5	0.5815E-06	82.5- 97.5	0.5295E-06	75	0- 15	0.1386E-05	90-105	0.1313E-05
0-15.00	0.1800E-03	-7.5 TO 22.5	0.6756E-05	82.5-112.5	0.6730E-05	0	0- 30	0.1375E-04	90-120	0.1375E-04
15-30.00	0.5279E-03	-7.5 TO 22.5	0.6225E-05	82.5-112.5	0.6169E-05	15	0- 30	0.1325E-04	90-120	0.1316E-04
30-45.00	0.8397E-03	-7.5 TO 22.5	0.5204E-05	82.5-112.5	0.5126E-05	30	0- 30	0.1165E-04	90-120	0.1150E-04
45-60.00	0.1094E-02	-7.5 TO 22.5	0.3815E-05	82.5-112.5	0.3729E-05	45	0- 30	0.9176E-05	90-120	0.8991E-05
60-75.00	0.1274E-02	-7.5 TO 22.5	0.2210E-05	82.5-112.5	0.2131E-05	60	0- 30	0.6108E-05	90-120	0.5923E-05
75-89.71	0.1341E-02	-7.5 TO 22.5	0.5806E-06	82.5-112.5	0.5228E-06	75	0- 30	0.2768E-05	90-120	0.2611E-05
0-15.00	0.2701E-03	-7.5 TO 37.5	0.6755E-05	82.5-127.5	0.6727E-05	0	0- 45	0.2063E-04	90-135	0.2063E-04
15-30.00	0.7918E-03	-7.5 TO 37.5	0.6223E-05	82.5-127.5	0.6163E-05	15	0- 45	0.1986E-04	90-135	0.1973E-04
30-45.00	0.1260E-02	-7.5 TO 37.5	0.5202E-05	82.5-127.5	0.5117E-05	30	0- 45	0.1747E-04	90-135	0.1723E-04
45-60.00	0.1641E-02	-7.5 TO 37.5	0.3812E-05	82.5-127.5	0.3720E-05	45	0- 45	0.1375E-04	90-135	0.1346E-04
60-75.00	0.1912E-02	-7.5 TO 37.5	0.2207E-05	82.5-127.5	0.2123E-05	60	0- 45	0.9149E-05	90-135	0.8858E-05
75-89.71	0.2012E-02	-7.5 TO 37.5	0.5786E-06	82.5-127.5	0.5165E-06	75	0- 45	0.4141E-05	90-135	0.3894E-05
0-15.00	0.3601E-03	-7.5 TO 52.5	0.6753E-05	82.5-142.5	0.6724E-05	0	0- 60	0.2751E-04	90-150	0.2751E-04
15-30.00	0.1056E-02	-7.5 TO 52.5	0.6220E-05	82.5-142.5	0.6157E-05	15	0- 60	0.2647E-04	90-150	0.2629E-04
30-45.00	0.1679E-02	-7.5 TO 52.5	0.5197E-05	82.5-142.5	0.5109E-05	30	0- 60	0.2327E-04	90-150	0.2295E-04
45-60.00	0.2189E-02	-7.5 TO 52.5	0.3807E-05	82.5-142.5	0.3711E-05	45	0- 60	0.1831E-04	90-150	0.1791E-04
60-75.00	0.2549E-02	-7.5 TO 52.5	0.2203E-05	82.5-142.5	0.2115E-05	60	0- 60	0.1218E-04	90-150	0.1178E-04
75-89.71	0.2682E-02	-7.5 TO 52.5	0.5755E-06	82.5-142.5	0.5107E-06	75	0- 60	0.5502E-05	90-150	0.5165E-05
0-15.00	0.4501E-03	-7.5 TO 67.5	0.6752E-05	82.5-157.5	0.6722E-05	0	0- 75	0.3438E-04	90-165	0.3438E-04
15-30.00	0.1320E-02	-7.5 TO 67.5	0.6217E-05	82.5-157.5	0.6152E-05	15	0- 75	0.3308E-04	90-165	0.3285E-04
30-45.00	0.2099E-02	-7.5 TO 67.5	0.5192E-05	82.5-157.5	0.5102E-05	30	0- 75	0.2906E-04	90-165	0.2866E-04
45-60.00	0.2736E-02	-7.5 TO 67.5	0.3801E-05	82.5-157.5	0.3703E-05	45	0- 75	0.2286E-04	90-165	0.2236E-04
60-75.00	0.3186E-02	-7.5 TO 67.5	0.2198E-05	82.5-157.5	0.2108E-05	60	0- 75	0.1519E-04	90-165	0.1469E-04
75-89.71	0.3353E-02	-7.5 TO 67.5	0.5715E-06	82.5-157.5	0.5056E-06	75	0- 75	0.6848E-05	90-165	0.6428E-05
0-15.00	0.5401E-03	-7.5 TO 82.5	0.6749E-05	82.5-172.5	0.6720E-05	0	0- 90	0.4126E-04	90-180	0.4126E-04
15-30.00	0.1584E-02	-7.5 TO 82.5	0.6212E-05	82.5-172.5	0.6148E-05	15	0- 90	0.3967E-04	90-180	0.3940E-04
30-45.00	0.2519E-02	-7.5 TO 82.5	0.5186E-05	82.5-172.5	0.5097E-05	30	0- 90	0.3484E-04	90-180	0.3436E-04
45-60.00	0.3283E-02	-7.5 TO 82.5	0.3794E-05	82.5-172.5	0.3697E-05	45	0- 90	0.2738E-04	90-180	0.2680E-04
60-75.00	0.3823E-02	-7.5 TO 82.5	0.2191E-05	82.5-172.5	0.2102E-05	60	0- 90	0.1818E-04	90-180	0.1760E-04
75-89.71	0.4023E-02	-7.5 TO 82.5	0.5667E-06	82.5-172.5	0.5014E-06	75	0- 90	0.8178E-05	90-180	0.7687E-05
0-15.00	0.6301E-03	-7.5 TO 97.5	0.6747E-05	82.5-187.5	0.6718E-05	0	0-105	0.4814E-04	90-195	0.4814E-04
15-30.00	0.1847E-02	-7.5 TO 97.5	0.6207E-05	82.5-187.5	0.6145E-05	15	0-105	0.4625E-04	90-195	0.4596E-04
30-45.00	0.2939E-02	-7.5 TO 97.5	0.5178E-05	82.5-187.5	0.5092E-05	30	0-105	0.4060E-04	90-195	0.4007E-04
45-60.00	0.3830E-02	-7.5 TO 97.5	0.3786E-05	82.5-187.5	0.3692E-05	45	0-105	0.3189E-04	90-195	0.3124E-04
60-75.00	0.4460E-02	-7.5 TO 97.5	0.2184E-05	82.5-187.5	0.2098E-05	60	0-105	0.2115E-04	90-195	0.2050E-04
75-89.71	0.4694E-02	-7.5 TO 97.5	0.5614E-06	82.5-187.5	0.4981E-06	75	0-105	0.9491E-05	90-195	0.8945E-05

r_2/r_1 = 0.90 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0047 $\cosh \mu_2$ = 11.1058 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 147.31

0-15.00	0.9002E-04	-7.5 TO 7.5	0.2504E-04	82.5- 97.5	0.2487E-04	0	0- 15	0.2540E-04	90-105	0.2540E-04
15-30.00	0.2639E-03	-7.5 TO 7.5	0.2319E-04	82.5- 97.5	0.2281E-04	15	0- 15	0.2459E-04	90-105	0.2431E-04
30-45.00	0.4198E-03	-7.5 TO 7.5	0.1949E-04	82.5- 97.5	0.1897E-04	30	0- 15	0.2176E-04	90-105	0.2124E-04
45-60.00	0.5472E-03	-7.5 TO 7.5	0.1438E-04	82.5- 97.5	0.1382E-04	45	0- 15	0.1724E-04	90-105	0.1661E-04
60-75.00	0.6372E-03	-7.5 TO 7.5	0.8429E-05	82.5- 97.5	0.7912E-05	60	0- 15	0.1157E-04	90-105	0.1094E-04
75-89.71	0.6706E-03	-7.5 TO 7.5	0.2336E-05	82.5- 97.5	0.1959E-05	75	0- 15	0.5354E-05	90-105	0.4827E-05
0-15.00	0.1800E-03	-7.5 TO 22.5	0.2504E-04	82.5-112.5	0.2485E-04	0	0- 30	0.5080E-04	90-120	0.5080E-04
15-30.00	0.5279E-03	-7.5 TO 22.5	0.2318E-04	82.5-112.5	0.2276E-04	15	0- 30	0.4917E-04	90-120	0.4855E-04
30-45.00	0.8397E-03	-7.5 TO 22.5	0.1948E-04	82.5-112.5	0.1890E-04	30	0- 30	0.4348E-04	90-120	0.4237E-04
45-60.00	0.1094E-02	-7.5 TO 22.5	0.1437E-04	82.5-112.5	0.1374E-04	45	0- 30	0.3443E-04	90-120	0.3308E-04
60-75.00	0.1274E-02	-7.5 TO 22.5	0.8420E-05	82.5-112.5	0.7846E-05	60	0- 30	0.2310E-04	90-120	0.2175E-04
75-89.71	0.1341E-02	-7.5 TO 22.5	0.2329E-05	82.5-112.5	0.1912E-05	75	0- 30	0.1068E-04	90-120	0.9538E-05
0-15.00	0.2701E-03	-7.5 TO 37.5	0.2503E-04	82.5-127.5	0.2482E-04	0	0- 45	0.7620E-04	90-135	0.7620E-04
15-30.00	0.7918E-03	-7.5 TO 37.5	0.2316E-04	82.5-127.5	0.2272E-04	15	0- 45	0.7371E-04	90-135	0.7273E-04
30-45.00	0.1260E-02	-7.5 TO 37.5	0.1946E-04	82.5-127.5	0.1884E-04	30	0- 45	0.6514E-04	90-135	0.6340E-04
45-60.00	0.1641E-02	-7.5 TO 37.5	0.1435E-04	82.5-127.5	0.1368E-04	45	0- 45	0.5156E-04	90-135	0.4943E-04
60-75.00	0.1912E-02	-7.5 TO 37.5	0.8400E-05	82.5-127.5	0.7784E-05	60	0- 45	0.3456E-04	90-135	0.3244E-04
75-89.71	0.2012E-02	-7.5 TO 37.5	0.2314E-05	82.5-127.5	0.1867E-05	75	0- 45	0.1593E-04	90-135	0.1415E-04
0-15.00	0.3601E-03	-7.5 TO 52.5	0.2502E-04	82.5-142.5	0.2481E-04	0	0- 60	0.1016E-03	90-150	0.1016E-03
15-30.00	0.1056E-02	-7.5 TO 52.5	0.2314E-04	82.5-142.5	0.2268E-04	15	0- 60	0.9821E-04	90-150	0.9687E-04
30-45.00	0.1679E-02	-7.5 TO 52.5	0.1943E-04	82.5-142.5	0.1878E-04	30	0- 60	0.8672E-04	90-150	0.8435E-04
45-60.00	0.2189E-02	-7.5 TO 52.5	0.1432E-04	82.5-142.5	0.1361E-04	45	0- 60	0.6858E-04	90-150	0.6567E-04
60-75.00	0.2549E-02	-7.5 TO 52.5	0.8369E-05	82.5-142.5	0.7727E-05	60	0- 60	0.4591E-04	90-150	0.4302E-04
75-89.71	0.2682E-02	-7.5 TO 52.5	0.2292E-05	82.5-142.5	0.1826E-05	75	0- 60	0.2111E-04	90-150	0.1867E-04
0-15.00	0.4501E-03	-7.5 TO 67.5	0.2501E-04	82.5-157.5	0.2479E-04	0	0- 75	0.1270E-03	90-165	0.1270E-03
15-30.00	0.1320E-02	-7.5 TO 67.5	0.2311E-04	82.5-157.5	0.2264E-04	15	0- 75	0.1226E-03	90-165	0.1210E-03
30-45.00	0.2099E-02	-7.5 TO 67.5	0.1939E-04	82.5-157.5	0.1873E-04	30	0- 75	0.1082E-03	90-165	0.1052E-03
45-60.00	0.2736E-02	-7.5 TO 67.5	0.1427E-04	82.5-157.5	0.1356E-04	45	0- 75	0.8547E-04	90-165	0.8185E-04
60-75.00	0.3186E-02	-7.5 TO 67.5	0.8329E-05	82.5-157.5	0.7677E-05	60	0- 75	0.5714E-04	90-165	0.5354E-04
75-89.71	0.3353E-02	-7.5 TO 67.5	0.2282E-05	82.5-157.5	0.1790E-05	75	0- 75	0.2617E-04	90-165	0.2314E-04
0-15.00	0.5401E-03	-7.5 TO 82.5	0.2499E-04	82.5-172.5	0.2477E-04	0	0- 90	0.1524E-03	90-180	0.1524E-03
15-30.00	0.1584E-02	-7.5 TO 82.5	0.2308E-04	82.5-172.5	0.2261E-04	15	0- 90	0.1470E-03	90-180	0.1451E-03
30-45.00	0.2519E-02	-7.5 TO 82.5	0.1934E-04	82.5-172.5	0.1869E-04	30	0- 90	0.1296E-03	90-180	0.1261E-03
45-60.00	0.3283E-02	-7.5 TO 82.5	0.1422E-04	82.5-172.5	0.1351E-04	45	0- 90	0.1022E-03	90-180	0.9798E-04
60-75.00	0.3823E-02	-7.5 TO 82.5	0.8281E-05	82.5-172.5	0.7635E-05	60	0- 90	0.6823E-04	90-180	0.6402E-04
75-89.71	0.4023E-02	-7.5 TO 82.5	0.2228E-05	82.5-172.5	0.1762E-05	75	0- 90	0.3112E-04	90-180	0.2758E-04
0-15.00	0.6301E-03	-7.5 TO 97.5	0.2497E-04	82.5-187.5	0.2476E-04	0	0-105	0.1778E-03	90-195	0.1778E-03
15-30.00	0.1847E-02	-7.5 TO 97.5	0.2304E-04	82.5-187.5	0.2259E-04	15	0-105	0.1713E-03	90-195	0.1691E-03
30-45.00	0.2939E-02	-7.5 TO 97.5	0.1929E-04	82.5-187.5	0.1866E-04	30	0-105	0.1508E-03	90-195	0.1469E-03
45-60.00	0.3830E-02	-7.5 TO 97.5	0.1416E-04	82.5-187.5	0.1348E-04	45	0-105	0.1188E-03	90-195	0.1141E-03
60-75.00	0.4460E-02	-7.5 TO 97.5	0.8229E-05	82.5-187.5	0.7603E-05	60	0-105	0.7917E-04	90-195	0.7449E-04
75-89.71	0.4694E-02	-7.5 TO 97.5	0.2189E-05	82.5-187.5	0.1740E-05	75	0-105	0.3595E-04	90-195	0.3202E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

$r_2/r_1 = 0.90$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0047$ $\cosh \mu_2 = 11.1058$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 131.23$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.9002E-04	-7.5 TO 7.5	0.4944E-04	82.5- 97.5	0.4894E-04	0	0- 15	0.4998E-04	90-105	0.4998E-04
15-30.00	0.2639E-03	-7.5 TO 7.5	0.4599E-04	82.5- 97.5	0.4490E-04	15	0- 15	0.4864E-04	90-105	0.4780E-04
30-45.00	0.4158E-03	-7.5 TO 7.5	0.3886E-04	82.5- 97.5	0.3734E-04	30	0- 15	0.4325E-04	90-105	0.4176E-04
45-60.00	0.5472E-03	-7.5 TO 7.5	0.2885E-04	82.5- 97.5	0.2720E-04	45	0- 15	0.3446E-04	90-105	0.3263E-04
60-75.00	0.6372E-03	-7.5 TO 7.5	0.1708E-04	82.5- 97.5	0.1558E-04	60	0- 15	0.2330E-04	90-105	0.2149E-04
75-89.71	0.6706E-03	-7.5 TO 7.5	0.4932E-05	82.5- 97.5	0.3865E-05	75	0- 15	0.1097E-04	90-105	0.9461E-05
0-15.00	0.1800E-03	-7.5 TO 22.5	0.4944E-04	82.5-112.5	0.4887E-04	0	0- 30	0.9996E-04	90-120	0.9996E-04
15-30.00	0.5279E-03	-7.5 TO 22.5	0.4597E-04	82.5-112.5	0.4476E-04	15	0- 30	0.9724E-04	90-120	0.9541E-04
30-45.00	0.8357E-03	-7.5 TO 22.5	0.3883E-04	82.5-112.5	0.3715E-04	30	0- 30	0.8641E-04	90-120	0.8318E-04
45-60.00	0.1094E-02	-7.5 TO 22.5	0.2882E-04	82.5-112.5	0.2700E-04	45	0- 30	0.6881E-04	90-120	0.6486E-04
60-75.00	0.1274E-02	-7.5 TO 22.5	0.1705E-04	82.5-112.5	0.1540E-04	60	0- 30	0.4648E-04	90-120	0.4258E-04
75-89.71	0.1341E-02	-7.5 TO 22.5	0.4914E-05	82.5-112.5	0.3733E-05	75	0- 30	0.2184E-04	90-120	0.1860E-04
0-15.00	0.2701E-03	-7.5 TO 37.5	0.4942E-04	82.5-127.5	0.4881E-04	0	0- 45	0.1499E-03	90-135	0.1499E-03
15-30.00	0.7918E-03	-7.5 TO 37.5	0.4593E-04	82.5-127.5	0.4462E-04	15	0- 45	0.1457E-03	90-135	0.1429E-03
30-45.00	0.1260E-02	-7.5 TO 37.5	0.3877E-04	82.5-127.5	0.3697E-04	30	0- 45	0.1294E-03	90-135	0.1243E-03
45-60.00	0.1641E-02	-7.5 TO 37.5	0.2875E-04	82.5-127.5	0.2680E-04	45	0- 45	0.1029E-03	90-135	0.9673E-04
60-75.00	0.1912E-02	-7.5 TO 37.5	0.1699E-04	82.5-127.5	0.1522E-04	60	0- 45	0.6946E-04	90-135	0.6333E-04
75-89.71	0.2012E-02	-7.5 TO 37.5	0.4871E-05	82.5-127.5	0.3609E-05	75	0- 45	0.3253E-04	90-135	0.2745E-04
0-15.00	0.3601E-03	-7.5 TO 52.5	0.4939E-04	82.5-142.5	0.4875E-04	0	0- 60	0.1999E-03	90-150	0.1999E-03
15-30.00	0.1056E-02	-7.5 TO 52.5	0.4586E-04	82.5-142.5	0.4450E-04	15	0- 60	0.1941E-03	90-150	0.1902E-03
30-45.00	0.1679E-02	-7.5 TO 52.5	0.3868E-04	82.5-142.5	0.3680E-04	30	0- 60	0.1721E-03	90-150	0.1652E-03
45-60.00	0.2189E-02	-7.5 TO 52.5	0.2866E-04	82.5-142.5	0.2662E-04	45	0- 60	0.1368E-03	90-150	0.1283E-03
60-75.00	0.2549E-02	-7.5 TO 52.5	0.1690E-04	82.5-142.5	0.1506E-04	60	0- 60	0.9213E-04	90-150	0.8379E-04
75-89.71	0.2682E-02	-7.5 TO 52.5	0.4806E-05	82.5-142.5	0.3499E-05	75	0- 60	0.4297E-04	90-150	0.3607E-04
0-15.00	0.4501E-03	-7.5 TO 67.5	0.4935E-04	82.5-157.5	0.4870E-04	0	0- 75	0.2499E-03	90-165	0.2499E-03
15-30.00	0.1320E-02	-7.5 TO 67.5	0.4578E-04	82.5-157.5	0.4439E-04	15	0- 75	0.2423E-03	90-165	0.2374E-03
30-45.00	0.2099E-02	-7.5 TO 67.5	0.3856E-04	82.5-157.5	0.3665E-04	30	0- 75	0.2146E-03	90-165	0.2059E-03
45-60.00	0.2736E-02	-7.5 TO 67.5	0.2853E-04	82.5-157.5	0.2646E-04	45	0- 75	0.1702E-03	90-165	0.1597E-03
60-75.00	0.3186E-02	-7.5 TO 67.5	0.1679E-04	82.5-157.5	0.1492E-04	60	0- 75	0.1144E-03	90-165	0.1041E-03
75-89.71	0.3353E-02	-7.5 TO 67.5	0.4723E-05	82.5-157.5	0.3409E-05	75	0- 75	0.5311E-04	90-165	0.4452E-04
0-15.00	0.5401E-03	-7.5 TO 82.5	0.4930E-04	82.5-172.5	0.4866E-04	0	0- 90	0.2999E-03	90-180	0.2999E-03
15-30.00	0.1584E-02	-7.5 TO 82.5	0.4568E-04	82.5-172.5	0.4430E-04	15	0- 90	0.2903E-03	90-180	0.2845E-03
30-45.00	0.2519E-02	-7.5 TO 82.5	0.3843E-04	82.5-172.5	0.3653E-04	30	0- 90	0.2567E-03	90-180	0.2465E-03
45-60.00	0.3283E-02	-7.5 TO 82.5	0.2838E-04	82.5-172.5	0.2633E-04	45	0- 90	0.2033E-03	90-180	0.1910E-03
60-75.00	0.3823E-02	-7.5 TO 82.5	0.1685E-04	82.5-172.5	0.1480E-04	60	0- 90	0.1363E-03	90-180	0.1242E-03
75-89.71	0.4023E-02	-7.5 TO 82.5	0.4625E-05	82.5-172.5	0.3337E-05	75	0- 90	0.6291E-04	90-180	0.5289E-04
0-15.00	0.6301E-03	-7.5 TO 97.5	0.4925E-04	82.5-187.5	0.4863E-04	0	0-105	0.3499E-03	90-195	0.3499E-03
15-30.00	0.1847E-02	-7.5 TO 97.5	0.4557E-04	82.5-187.5	0.4424E-04	15	0-105	0.3381E-03	90-195	0.3317E-03
30-45.00	0.2939E-02	-7.5 TO 97.5	0.3827E-04	82.5-187.5	0.3643E-04	30	0-105	0.2984E-03	90-195	0.2872E-03
45-60.00	0.3830E-02	-7.5 TO 97.5	0.2821E-04	82.5-187.5	0.2623E-04	45	0-105	0.2359E-03	90-195	0.2222E-03
60-75.00	0.4460E-02	-7.5 TO 97.5	0.1650E-04	82.5-187.5	0.1471E-04	60	0-105	0.1578E-03	90-195	0.1444E-03
75-89.71	0.4694E-02	-7.5 TO 97.5	0.4516E-05	82.5-187.5	0.3282E-05	75	0-105	0.7238E-04	90-195	0.6127E-04

$r_2/r_1 = 0.90$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0047$ $\cosh \mu_2 = 11.1058$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 115.42$

0-15.00	0.9002E-04	-7.5 TO 7.5	0.7289E-04	82.5- 97.5	0.7190E-04	0	0- 15	0.7343E-04	90-105	0.7343E-04
15-30.00	0.2639E-03	-7.5 TO 7.5	0.6810E-04	82.5- 97.5	0.6597E-04	15	0- 15	0.7183E-04	90-105	0.7018E-04
30-45.00	0.4158E-03	-7.5 TO 7.5	0.5783E-04	82.5- 97.5	0.5488E-04	30	0- 15	0.6420E-04	90-105	0.6128E-04
45-60.00	0.5472E-03	-7.5 TO 7.5	0.4317E-04	82.5- 97.5	0.4000E-04	45	0- 15	0.5141E-04	90-105	0.4787E-04
60-75.00	0.6372E-03	-7.5 TO 7.5	0.2576E-04	82.5- 97.5	0.2293E-04	60	0- 15	0.3498E-04	90-105	0.3151E-04
75-89.71	0.6706E-03	-7.5 TO 7.5	0.7666E-05	82.5- 97.5	0.5697E-05	75	0- 15	0.1668E-04	90-105	0.1386E-04
0-15.00	0.1800E-03	-7.5 TO 22.5	0.7288E-04	82.5-112.5	0.7177E-04	0	0- 30	0.1469E-03	90-120	0.1469E-03
15-30.00	0.5279E-03	-7.5 TO 22.5	0.6807E-04	82.5-112.5	0.6570E-04	15	0- 30	0.1436E-03	90-120	0.1400E-03
30-45.00	0.8357E-03	-7.5 TO 22.5	0.5778E-04	82.5-112.5	0.5451E-04	30	0- 30	0.1282E-03	90-120	0.1219E-03
45-60.00	0.1094E-02	-7.5 TO 22.5	0.4311E-04	82.5-112.5	0.3960E-04	45	0- 30	0.1026E-03	90-120	0.9496E-04
60-75.00	0.1274E-02	-7.5 TO 22.5	0.2571E-04	82.5-112.5	0.2257E-04	60	0- 30	0.6974E-04	90-120	0.6228E-04
75-89.71	0.1341E-02	-7.5 TO 22.5	0.7631E-05	82.5-112.5	0.5457E-05	75	0- 30	0.3318E-04	90-120	0.2712E-04
0-15.00	0.2701E-03	-7.5 TO 37.5	0.7284E-04	82.5-127.5	0.7165E-04	0	0- 45	0.2203E-03	90-135	0.2203E-03
15-30.00	0.7918E-03	-7.5 TO 37.5	0.6798E-04	82.5-127.5	0.6544E-04	15	0- 45	0.2151E-03	90-135	0.2095E-03
30-45.00	0.1260E-02	-7.5 TO 37.5	0.5767E-04	82.5-127.5	0.5416E-04	30	0- 45	0.1919E-03	90-135	0.1820E-03
45-60.00	0.1641E-02	-7.5 TO 37.5	0.4299E-04	82.5-127.5	0.3922E-04	45	0- 45	0.1534E-03	90-135	0.1414E-03
60-75.00	0.1912E-02	-7.5 TO 37.5	0.2560E-04	82.5-127.5	0.2224E-04	60	0- 45	0.1041E-03	90-135	0.9238E-04
75-89.71	0.2012E-02	-7.5 TO 37.5	0.7551E-05	82.5-127.5	0.5235E-05	75	0- 45	0.4935E-04	90-135	0.3986E-04
0-15.00	0.3601E-03	-7.5 TO 52.5	0.7278E-04	82.5-142.5	0.7154E-04	0	0- 60	0.2937E-03	90-150	0.2937E-03
15-30.00	0.1056E-02	-7.5 TO 52.5	0.6786E-04	82.5-142.5	0.6520E-04	15	0- 60	0.2864E-03	90-150	0.2787E-03
30-45.00	0.1679E-02	-7.5 TO 52.5	0.5749E-04	82.5-142.5	0.5383E-04	30	0- 60	0.2551E-03	90-150	0.2416E-03
45-60.00	0.2189E-02	-7.5 TO 52.5	0.4280E-04	82.5-142.5	0.3888E-04	45	0- 60	0.2036E-03	90-150	0.1872E-03
60-75.00	0.2549E-02	-7.5 TO 52.5	0.2542E-04	82.5-142.5	0.2194E-04	60	0- 60	0.1379E-03	90-150	0.1219E-03
75-89.71	0.2682E-02	-7.5 TO 52.5	0.7431E-05	82.5-142.5	0.5046E-05	75	0- 60	0.6504E-04	90-150	0.5217E-04
0-15.00	0.4501E-03	-7.5 TO 67.5	0.7270E-04	82.5-157.5	0.7144E-04	0	0- 75	0.3672E-03	90-165	0.3672E-03
15-30.00	0.1320E-02	-7.5 TO 67.5	0.6769E-04	82.5-157.5	0.6499E-04	15	0- 75	0.3573E-03	90-165	0.3477E-03
30-45.00	0.2099E-02	-7.5 TO 67.5	0.5726E-04	82.5-157.5	0.5355E-04	30	0- 75	0.3177E-03	90-165	0.3008E-03
45-60.00	0.2736E-02	-7.5 TO 67.5	0.4255E-04	82.5-157.5	0.3858E-04	45	0- 75	0.2530E-03	90-165	0.2327E-03
60-75.00	0.3186E-02	-7.5 TO 67.5	0.2520E-04	82.5-157.5	0.2168E-04	60	0- 75	0.1709E-03	90-165	0.1511E-03
75-89.71	0.3353E-02	-7.5 TO 67.5	0.7276E-05	82.5-157.5	0.4892E-05	75	0- 75	0.8015E-04	90-165	0.6419E-04
0-15.00	0.5401E-03	-7.5 TO 82.5	0.7261E-04	82.5-172.5	0.7136E-04	0	0- 90	0.4406E-03	90-180	0.4406E-03
15-30.00	0.1584E-02	-7.5 TO 82.5	0.6750E-04	82.5-172.5	0.6482E-04	15	0- 90	0.4279E-03	90-180	0.4167E-03
30-45.00	0.2519E-02	-7.5 TO 82.5	0.5699E-04	82.5-172.5	0.5331E-04	30	0- 90	0.3796E-03	90-180	0.3599E-03
45-60.00	0.3283E-02	-7.5 TO 82.5	0.4226E-04	82.5-172.5	0.3833E-04	45	0- 90	0.3017E-03	90-180	0.2779E-03
60-75.00	0.3823E-02	-7.5 TO 82.5	0.2494E-04	82.5-172.5	0.2146E-04	60	0- 90	0.2032E-03	90-180	0.1802E-03
75-89.71	0.4023E-02	-7.5 TO 82.5	0.7095E-05	82.5-172.5	0.4769E-05	75	0- 90	0.9465E-04	90-180	0.7606E-04
0-15.00	0.6301E-03	-7.5 TO 97.5	0.7251E-04	82.5-187.5	0.7130E-04	0	0-105	0.5140E-03	90-195	0.5140E-03
15-30.00	0.1847E-02	-7.5 TO 97.5	0.6728E-04	82.5-187.5	0.6468E-04	15	0-105	0.4981E-03	90-195	0.4856E-03
30-45.00	0.2939E-02	-7.5 TO 97.5	0.5669E-04	82.5-187.5	0.5313E-04	30	0-105	0.4409E-03	90-195	0.4190E-03
45-60.00	0.3830E-02	-7.5 TO 97.5	0.4194E-04	82.5-187.5	0.3813E-04	45	0-105	0.3496E-03	90-195	0.3232E-03
60-75.00	0.4460E-02	-7.5 TO 97.5	0.2465E-04	82.5-187.5	0.2129E-04	60	0-105	0.2347E-03	90-195	0.2092E-03
75-89.71	0.4694E-02	-7.5 TO 97.5	0.6895E-05	82.5-187.5	0.4675E-05	75	0-105	0.1085E-03	90-195	0.8793E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0047 $\cosh \mu_2$ = 11.1058 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 99.95

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.9002E-04	-7.5 TO 7.5	0.8888E-04	82.5- 97.5	0.8736E-04	0	0- 15	0.8921E-04	90-105	0.8921E-04
15-30.00	0.2639E-03	-7.5 TO 7.5	0.8344E-04	82.5- 97.5	0.8016E-04	15	0- 15	0.8775E-04	90-105	0.8521E-04
30-45.00	0.4158E-03	-7.5 TO 7.5	0.7121E-04	82.5- 97.5	0.6671E-04	30	0- 15	0.7884E-04	90-105	0.7436E-04
45-60.00	0.5472E-03	-7.5 TO 7.5	0.5341E-04	82.5- 97.5	0.4863E-04	45	0- 15	0.6345E-04	90-105	0.5807E-04
60-75.00	0.6372E-03	-7.5 TO 7.5	0.3206E-04	82.5- 97.5	0.2789E-04	60	0- 15	0.4339E-04	90-105	0.3822E-04
75-89.71	0.6706E-03	-7.5 TO 7.5	0.9718E-05	82.5- 97.5	0.6941E-05	75	0- 15	0.2087E-04	90-105	0.1680E-04
0-15.00	0.1800E-03	-7.5 TO 22.5	0.8886E-04	82.5-112.5	0.8716E-04	0	0- 30	0.1784E-03	90-120	0.1784E-03
15-30.00	0.5279E-03	-7.5 TO 22.5	0.8338E-04	82.5-112.5	0.7974E-04	15	0- 30	0.1753E-03	90-120	0.1699E-03
30-45.00	0.8397E-03	-7.5 TO 22.5	0.7113E-04	82.5-112.5	0.6614E-04	30	0- 30	0.1574E-03	90-120	0.1477E-03
45-60.00	0.1094E-02	-7.5 TO 22.5	0.5333E-04	82.5-112.5	0.4803E-04	45	0- 30	0.1266E-03	90-120	0.1150E-03
60-75.00	0.1274E-02	-7.5 TO 22.5	0.3199E-04	82.5-112.5	0.2738E-04	60	0- 30	0.8646E-04	90-120	0.7533E-04
75-89.71	0.1341E-02	-7.5 TO 22.5	0.9668E-05	82.5-112.5	0.6610E-05	75	0- 30	0.4149E-04	90-120	0.3276E-04
0-15.00	0.2701E-03	-7.5 TO 37.5	0.8880E-04	82.5-127.5	0.8697E-04	0	0- 45	0.2676E-03	90-135	0.2676E-03
15-30.00	0.7918E-03	-7.5 TO 37.5	0.8325E-04	82.5-127.5	0.7935E-04	15	0- 45	0.2626E-03	90-135	0.2540E-03
30-45.00	0.1260E-02	-7.5 TO 37.5	0.7095E-04	82.5-127.5	0.6560E-04	30	0- 45	0.2354E-03	90-135	0.2202E-03
45-60.00	0.1641E-02	-7.5 TO 37.5	0.5314E-04	82.5-127.5	0.4747E-04	45	0- 45	0.1890E-03	90-135	0.1708E-03
60-75.00	0.1912E-02	-7.5 TO 37.5	0.3182E-04	82.5-127.5	0.2690E-04	60	0- 45	0.1289E-03	90-135	0.1115E-03
75-89.71	0.2012E-02	-7.5 TO 37.5	0.9654E-05	82.5-127.5	0.6308E-05	75	0- 45	0.6161E-04	90-135	0.4797E-04
0-15.00	0.3601E-03	-7.5 TO 52.5	0.8871E-04	82.5-142.5	0.8680E-04	0	0- 60	0.3569E-03	90-150	0.3569E-03
15-30.00	0.1056E-02	-7.5 TO 52.5	0.8306E-04	82.5-142.5	0.7898E-04	15	0- 60	0.3495E-03	90-150	0.3377E-03
30-45.00	0.1679E-02	-7.5 TO 52.5	0.7068E-04	82.5-142.5	0.6511E-04	30	0- 60	0.3127E-03	90-150	0.2920E-03
45-60.00	0.2189E-02	-7.5 TO 52.5	0.5285E-04	82.5-142.5	0.4696E-04	45	0- 60	0.2506E-03	90-150	0.2259E-03
60-75.00	0.2549E-02	-7.5 TO 52.5	0.3157E-04	82.5-142.5	0.2646E-04	60	0- 60	0.1705E-03	90-150	0.1468E-03
75-89.71	0.2682E-02	-7.5 TO 52.5	0.9583E-05	82.5-142.5	0.6055E-05	75	0- 60	0.8104E-04	90-150	0.6259E-04
0-15.00	0.4501E-03	-7.5 TO 67.5	0.8859E-04	82.5-157.5	0.8665E-04	0	0- 75	0.4461E-03	90-165	0.4461E-03
15-30.00	0.1320E-02	-7.5 TO 67.5	0.8280E-04	82.5-157.5	0.7867E-04	15	0- 75	0.4359E-03	90-165	0.4212E-03
30-45.00	0.2099E-02	-7.5 TO 67.5	0.7033E-04	82.5-157.5	0.6468E-04	30	0- 75	0.3891E-03	90-165	0.3633E-03
45-60.00	0.2736E-02	-7.5 TO 67.5	0.5247E-04	82.5-157.5	0.4651E-04	45	0- 75	0.3111E-03	90-165	0.2803E-03
60-75.00	0.3186E-02	-7.5 TO 67.5	0.3124E-04	82.5-157.5	0.2608E-04	60	0- 75	0.2110E-03	90-165	0.1817E-03
75-89.71	0.3353E-02	-7.5 TO 67.5	0.9163E-05	82.5-157.5	0.5848E-05	75	0- 75	0.9964E-04	90-165	0.7680E-04
0-15.00	0.5401E-03	-7.5 TO 82.5	0.8845E-04	82.5-172.5	0.8653E-04	0	0- 90	0.5353E-03	90-180	0.5353E-03
15-30.00	0.1584E-02	-7.5 TO 82.5	0.8250E-04	82.5-172.5	0.7840E-04	15	0- 90	0.5217E-03	90-180	0.5045E-03
30-45.00	0.2519E-02	-7.5 TO 82.5	0.6992E-04	82.5-172.5	0.6432E-04	30	0- 90	0.4645E-03	90-180	0.4344E-03
45-60.00	0.3283E-02	-7.5 TO 82.5	0.5203E-04	82.5-172.5	0.4614E-04	45	0- 90	0.3704E-03	90-180	0.3345E-03
60-75.00	0.3823E-02	-7.5 TO 82.5	0.3085E-04	82.5-172.5	0.2577E-04	60	0- 90	0.2504E-03	90-180	0.2162E-03
75-89.71	0.4023E-02	-7.5 TO 82.5	0.8907E-05	82.5-172.5	0.5683E-05	75	0- 90	0.1173E-03	90-180	0.9081E-04
0-15.00	0.6301E-03	-7.5 TO 97.5	0.8829E-04	82.5-187.5	0.8643E-04	0	0-105	0.6245E-03	90-195	0.6245E-03
15-30.00	0.1847E-02	-7.5 TO 97.5	0.8217E-04	82.5-187.5	0.7820E-04	15	0-105	0.6069E-03	90-195	0.5878E-03
30-45.00	0.2939E-02	-7.5 TO 97.5	0.6946E-04	82.5-187.5	0.6405E-04	30	0-105	0.5389E-03	90-195	0.5054E-03
45-60.00	0.3830E-02	-7.5 TO 97.5	0.5155E-04	82.5-187.5	0.4585E-04	45	0-105	0.4285E-03	90-195	0.3886E-03
60-75.00	0.4460E-02	-7.5 TO 97.5	0.3043E-04	82.5-187.5	0.2553E-04	60	0-105	0.2886E-03	90-195	0.2507E-03
75-89.71	0.4694E-02	-7.5 TO 97.5	0.8626E-05	82.5-187.5	0.5557E-05	75	0-105	0.1341E-03	90-195	0.1048E-03

r_2/r_1 = 0.90 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0047 $\cosh \mu_2$ = 11.1058 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 84.83

0-15.00	0.9002E-04	-7.5 TO 7.5	0.9348E-04	82.5- 97.5	0.9155E-04	0	0- 15	0.9349E-04	90-105	0.9349E-04
15-30.00	0.2639E-03	-7.5 TO 7.5	0.8817E-04	82.5- 97.5	0.8401E-04	15	0- 15	0.9245E-04	90-105	0.8924E-04
30-45.00	0.4158E-03	-7.5 TO 7.5	0.7561E-04	82.5- 97.5	0.6992E-04	30	0- 15	0.8350E-04	90-105	0.7784E-04
45-60.00	0.5472E-03	-7.5 TO 7.5	0.5697E-04	82.5- 97.5	0.5098E-04	45	0- 15	0.6753E-04	90-105	0.6076E-04
60-75.00	0.6372E-03	-7.5 TO 7.5	0.3434E-04	82.5- 97.5	0.2925E-04	60	0- 15	0.4637E-04	90-105	0.3998E-04
75-89.71	0.6706E-03	-7.5 TO 7.5	0.1048E-04	82.5- 97.5	0.7285E-05	75	0- 15	0.2241E-04	90-105	0.1758E-04
0-15.00	0.1800E-03	-7.5 TO 22.5	0.9344E-04	82.5-112.5	0.9130E-04	0	0- 30	0.1870E-03	90-120	0.1870E-03
15-30.00	0.5279E-03	-7.5 TO 22.5	0.8809E-04	82.5-112.5	0.8349E-04	15	0- 30	0.1847E-03	90-120	0.1778E-03
30-45.00	0.8397E-03	-7.5 TO 22.5	0.7551E-04	82.5-112.5	0.6922E-04	30	0- 30	0.1666E-03	90-120	0.1545E-03
45-60.00	0.1094E-02	-7.5 TO 22.5	0.5686E-04	82.5-112.5	0.5026E-04	45	0- 30	0.1346E-03	90-120	0.1201E-03
60-75.00	0.1274E-02	-7.5 TO 22.5	0.3424E-04	82.5-112.5	0.2864E-04	60	0- 30	0.9234E-04	90-120	0.7864E-04
75-89.71	0.1341E-02	-7.5 TO 22.5	0.1042E-04	82.5-112.5	0.6916E-05	75	0- 30	0.4450E-04	90-120	0.3418E-04
0-15.00	0.2701E-03	-7.5 TO 37.5	0.9337E-04	82.5-127.5	0.9106E-04	0	0- 45	0.2805E-03	90-135	0.2805E-03
15-30.00	0.7918E-03	-7.5 TO 37.5	0.8793E-04	82.5-127.5	0.8300E-04	15	0- 45	0.2766E-03	90-135	0.2657E-03
30-45.00	0.1260E-02	-7.5 TO 37.5	0.7528E-04	82.5-127.5	0.6856E-04	30	0- 45	0.2491E-03	90-135	0.2300E-03
45-60.00	0.1641E-02	-7.5 TO 37.5	0.5662E-04	82.5-127.5	0.4958E-04	45	0- 45	0.2009E-03	90-135	0.1782E-03
60-75.00	0.1912E-02	-7.5 TO 37.5	0.3403E-04	82.5-127.5	0.2868E-04	60	0- 45	0.1375E-03	90-135	0.1161E-03
75-89.71	0.2012E-02	-7.5 TO 37.5	0.1029E-04	82.5-127.5	0.6582E-05	75	0- 45	0.6600E-04	90-135	0.4994E-04
0-15.00	0.3601E-03	-7.5 TO 52.5	0.9325E-04	82.5-142.5	0.9085E-04	0	0- 60	0.3740E-03	90-150	0.3740E-03
15-30.00	0.1056E-02	-7.5 TO 52.5	0.8768E-04	82.5-142.5	0.8254E-04	15	0- 60	0.3679E-03	90-150	0.3531E-03
30-45.00	0.1679E-02	-7.5 TO 52.5	0.7494E-04	82.5-142.5	0.6795E-04	30	0- 60	0.3306E-03	90-150	0.3047E-03
45-60.00	0.2189E-02	-7.5 TO 52.5	0.5625E-04	82.5-142.5	0.4896E-04	45	0- 60	0.2661E-03	90-150	0.2352E-03
60-75.00	0.2549E-02	-7.5 TO 52.5	0.3372E-04	82.5-142.5	0.2757E-04	60	0- 60	0.1816E-03	90-150	0.1527E-03
75-89.71	0.2682E-02	-7.5 TO 52.5	0.1009E-04	82.5-142.5	0.6304E-05	75	0- 60	0.8667E-04	90-150	0.6504E-04
0-15.00	0.4501E-03	-7.5 TO 67.5	0.9310E-04	82.5-157.5	0.9066E-04	0	0- 75	0.4675E-03	90-165	0.4675E-03
15-30.00	0.1320E-02	-7.5 TO 67.5	0.8736E-04	82.5-157.5	0.8215E-04	15	0- 75	0.4586E-03	90-165	0.4401E-03
30-45.00	0.2099E-02	-7.5 TO 67.5	0.7449E-04	82.5-157.5	0.6743E-04	30	0- 75	0.4110E-03	90-165	0.3787E-03
45-60.00	0.2736E-02	-7.5 TO 67.5	0.5578E-04	82.5-157.5	0.4842E-04	45	0- 75	0.3298E-03	90-165	0.2916E-03
60-75.00	0.3186E-02	-7.5 TO 67.5	0.3332E-04	82.5-157.5	0.2713E-04	60	0- 75	0.2244E-03	90-165	0.1887E-03
75-89.71	0.3353E-02	-7.5 TO 67.5	0.9834E-05	82.5-157.5	0.6077E-05	75	0- 75	0.1064E-03	90-165	0.7968E-04
0-15.00	0.5401E-03	-7.5 TO 82.5	0.9293E-04	82.5-172.5	0.9050E-04	0	0- 90	0.5609E-03	90-180	0.5609E-03
15-30.00	0.1584E-02	-7.5 TO 82.5	0.8697E-04	82.5-172.5	0.8182E-04	15	0- 90	0.5486E-03	90-180	0.5270E-03
30-45.00	0.2519E-02	-7.5 TO 82.5	0.7397E-04	82.5-172.5	0.6699E-04	30	0- 90	0.4901E-03	90-180	0.4525E-03
45-60.00	0.3283E-02	-7.5 TO 82.5	0.5523E-04	82.5-172.5	0.4798E-04	45	0- 90	0.3921E-03	90-180	0.3476E-03
60-75.00	0.3823E-02	-7.5 TO 82.5	0.3285E-04	82.5-172.5	0.2677E-04	60	0- 90	0.2658E-03	90-180	0.2243E-03
75-89.71	0.4023E-02	-7.5 TO 82.5	0.9538E-05	82.5-172.5	0.5896E-05	75	0- 90	0.1250E-03	90-180	0.9409E-04
0-15.00	0.6301E-03	-7.5 TO 97.5	0.9273E-04	82.5-187.5	0.9038E-04	0	0-105	0.6544E-03	90-195	0.6544E-03
15-30.00	0.1847E-02	-7.5 TO 97.5	0.8655E-04	82.5-187.5	0.8157E-04	15	0-105	0.6378E-03	90-195	0.6138E-03
30-45.00	0.2939E-02	-7.5 TO 97.5	0.7339E-04	82.5-187.5	0.6666E-04	30	0-105	0.5680E-03	90-195	0.5262E-03
45-60.00	0.3830E-02	-7.5 TO 97.5	0.5462E-04	82.5-187.5	0.4764E-04	45	0-105	0.4529E-03	90-195	0.4036E-03
60-75.00	0.4460E-02	-7.5 TO 97.5	0.3233E-04	82.5-187.5	0.2649E-04	60	0-105	0.3058E-03	90-195	0.2599E-03
75-89.71	0.4694E-02	-7.5 TO 97.5	0.9216E-05	82.5-187.5	0.5758E-05	75	0-105	0.1426E-03	90-195	0.1085E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0047 $\cosh \mu_2$ = 11.1058 $\alpha_{2,max}$ = 90.29 $\theta_{2,min}$ = 84.55

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.9002E-04	-7.5 TO 7.5	0.9348E-04	82.5- 97.5	0.9155E-04	0	0- 15	0.9349E-04	90-105	0.9349E-04
15-30.00	0.2639E-03	-7.5 TO 7.5	0.8817E-04	82.5- 97.5	0.8401E-04	15	0- 15	0.9245E-04	90-105	0.8924E-04
30-45.00	0.4198E-03	-7.5 TO 7.5	0.7561E-04	82.5- 97.5	0.6992E-04	30	0- 15	0.8350E-04	90-105	0.7784E-04
45-60.00	0.5472E-03	-7.5 TO 7.5	0.5697E-04	82.5- 97.5	0.5098E-04	45	0- 15	0.6753E-04	90-105	0.6076E-04
60-75.00	0.6372E-03	-7.5 TO 7.5	0.3434E-04	82.5- 97.5	0.2925E-04	60	0- 15	0.4637E-04	90-105	0.3998E-04
75-89.71	0.6706E-03	-7.5 TO 7.5	0.1048E-04	82.5- 97.5	0.7285E-05	75	0- 15	0.2241E-04	90-105	0.1758E-04
0-15.00	0.1800E-03	-7.5 TO 22.5	0.9344E-04	82.5-112.5	0.9130E-04	0	0- 30	0.1870E-03	90-120	0.1870E-03
15-30.00	0.5279E-03	-7.5 TO 22.5	0.8809E-04	82.5-112.5	0.8349E-04	15	0- 30	0.1847E-03	90-120	0.1778E-03
30-45.00	0.8397E-03	-7.5 TO 22.5	0.7551E-04	82.5-112.5	0.6922E-04	30	0- 30	0.1666E-03	90-120	0.1545E-03
45-60.00	0.1094E-02	-7.5 TO 22.5	0.5686E-04	82.5-112.5	0.5026E-04	45	0- 30	0.1346E-03	90-120	0.1201E-03
60-75.00	0.1274E-02	-7.5 TO 22.5	0.3424E-04	82.5-112.5	0.2864E-04	60	0- 30	0.9234E-04	90-120	0.7864E-04
75-89.71	0.1341E-02	-7.5 TO 22.5	0.1042E-04	82.5-112.5	0.6916E-05	75	0- 30	0.4450E-04	90-120	0.3418E-04
0-15.00	0.2701E-03	-7.5 TO 37.5	0.9337E-04	82.5-127.5	0.9106E-04	0	0- 45	0.2805E-03	90-135	0.2805E-03
15-30.00	0.7918E-03	-7.5 TO 37.5	0.8793E-04	82.5-127.5	0.8300E-04	15	0- 45	0.2766E-03	90-135	0.2667E-03
30-45.00	0.1260E-02	-7.5 TO 37.5	0.7528E-04	82.5-127.5	0.6856E-04	30	0- 45	0.2491E-03	90-135	0.2300E-03
45-60.00	0.1641E-02	-7.5 TO 37.5	0.5662E-04	82.5-127.5	0.4958E-04	45	0- 45	0.2009E-03	90-135	0.1782E-03
60-75.00	0.1912E-02	-7.5 TO 37.5	0.3403E-04	82.5-127.5	0.2808E-04	60	0- 45	0.1375E-03	90-135	0.1161E-03
75-89.71	0.2012E-02	-7.5 TO 37.5	0.1029E-04	82.5-127.5	0.6582E-05	75	0- 45	0.6600E-04	90-135	0.4994E-04
0-15.00	0.3601E-03	-7.5 TO 52.5	0.9325E-04	82.5-142.5	0.9085E-04	0	0- 60	0.3740E-03	90-150	0.3740E-03
15-30.00	0.1056E-02	-7.5 TO 52.5	0.8768E-04	82.5-142.5	0.8254E-04	15	0- 60	0.3679E-03	90-150	0.3531E-03
30-45.00	0.1679E-02	-7.5 TO 52.5	0.7494E-04	82.5-142.5	0.6795E-04	30	0- 60	0.3306E-03	90-150	0.3047E-03
45-60.00	0.2185E-02	-7.5 TO 52.5	0.5625E-04	82.5-142.5	0.4896E-04	45	0- 60	0.2661E-03	90-150	0.2352E-03
60-75.00	0.2549E-02	-7.5 TO 52.5	0.3372E-04	82.5-142.5	0.2757E-04	60	0- 60	0.1816E-03	90-150	0.1527E-03
75-89.71	0.2682E-02	-7.5 TO 52.5	0.1009E-04	82.5-142.5	0.6304E-05	75	0- 60	0.8667E-04	90-150	0.6504E-04
0-15.00	0.4501E-03	-7.5 TO 67.5	0.9310E-04	82.5-157.5	0.9066E-04	0	0- 75	0.4675E-03	90-165	0.4675E-03
15-30.00	0.1320E-02	-7.5 TO 67.5	0.8736E-04	82.5-157.5	0.8215E-04	15	0- 75	0.4586E-03	90-165	0.4401E-03
30-45.00	0.2099E-02	-7.5 TO 67.5	0.7449E-04	82.5-157.5	0.6743E-04	30	0- 75	0.4110E-03	90-165	0.3787E-03
45-60.00	0.2736E-02	-7.5 TO 67.5	0.5578E-04	82.5-157.5	0.4842E-04	45	0- 75	0.3298E-03	90-165	0.2916E-03
60-75.00	0.3186E-02	-7.5 TO 67.5	0.3332E-04	82.5-157.5	0.2713E-04	60	0- 75	0.2244E-03	90-165	0.1887E-03
75-89.71	0.3353E-02	-7.5 TO 67.5	0.9834E-05	82.5-157.5	0.6077E-05	75	0- 75	0.1064E-03	90-165	0.7968E-04
0-15.00	0.5401E-03	-7.5 TO 82.5	0.9293E-04	82.5-172.5	0.9050E-04	0	0- 90	0.5609E-03	90-180	0.5609E-03
15-30.00	0.1584E-02	-7.5 TO 82.5	0.8697E-04	82.5-172.5	0.8182E-04	15	0- 90	0.5486E-03	90-180	0.5270E-03
30-45.00	0.2515E-02	-7.5 TO 82.5	0.7397E-04	82.5-172.5	0.6699E-04	30	0- 90	0.4901E-03	90-180	0.4525E-03
45-60.00	0.3283E-02	-7.5 TO 82.5	0.5523E-04	82.5-172.5	0.4798E-04	45	0- 90	0.3921E-03	90-180	0.3476E-03
60-75.00	0.3823E-02	-7.5 TO 82.5	0.3285E-04	82.5-172.5	0.2677E-04	60	0- 90	0.2658E-03	90-180	0.2243E-03
75-89.71	0.4023E-02	-7.5 TO 82.5	0.9538E-05	82.5-172.5	0.5896E-05	75	0- 90	0.1250E-03	90-180	0.9409E-04
0-15.00	0.6301E-03	-7.5 TO 97.5	0.9273E-04	82.5-187.5	0.9038E-04	0	0-105	0.6544E-03	90-195	0.6544E-03
15-30.00	0.1847E-02	-7.5 TO 97.5	0.8655E-04	82.5-187.5	0.8157E-04	15	0-105	0.6378E-03	90-195	0.6138E-03
30-45.00	0.2939E-02	-7.5 TO 97.5	0.7339E-04	82.5-187.5	0.6666E-04	30	0-105	0.5680E-03	90-195	0.5262E-03
45-60.00	0.3830E-02	-7.5 TO 97.5	0.5462E-04	82.5-187.5	0.4764E-04	45	0-105	0.4529E-03	90-195	0.4036E-03
60-75.00	0.4460E-02	-7.5 TO 97.5	0.3233E-04	82.5-187.5	0.2649E-04	60	0-105	0.3058E-03	90-195	0.2599E-03
75-89.71	0.4694E-02	-7.5 TO 97.5	0.9217E-05	82.5-187.5	0.5758E-05	75	0-105	0.1426E-03	90-195	0.1085E-03

r_2/r_1 = 0.90 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0019 $\cosh \mu_2$ = 27.7757 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 164.46

0-15.00	0.1429E-04	-7.5 TO 7.5	0.9591E-06	82.5- 97.5	0.9579E-06	0	0- 15	0.9759E-06	90-105	0.9759E-06
15-30.00	0.4191E-04	-7.5 TO 7.5	0.8901E-06	82.5- 97.5	0.8875E-06	15	0- 15	0.9417E-06	90-105	0.9397E-06
30-45.00	0.6666E-04	-7.5 TO 7.5	0.7568E-06	82.5- 97.5	0.7531E-06	30	0- 15	0.8384E-06	90-105	0.8349E-06
45-60.00	0.8688E-04	-7.5 TO 7.5	0.5709E-06	82.5- 97.5	0.5668E-06	45	0- 15	0.6755E-06	90-105	0.6710E-06
60-75.00	0.1012E-03	-7.5 TO 7.5	0.3482E-06	82.5- 97.5	0.3442E-06	60	0- 15	0.4671E-06	90-105	0.4624E-06
75-89.89	0.1077E-03	-7.5 TO 7.5	0.1087E-06	82.5- 97.5	0.1056E-06	75	0- 15	0.2304E-06	90-105	0.2262E-06
0-15.00	0.2859E-04	-7.5 TO 22.5	0.9591E-06	82.5-112.5	0.9578E-06	0	0- 30	0.1952E-05	90-120	0.1952E-05
15-30.00	0.8381E-04	-7.5 TO 22.5	0.8900E-06	82.5-112.5	0.8872E-06	15	0- 30	0.1883E-05	90-120	0.1879E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.7567E-06	82.5-112.5	0.7526E-06	30	0- 30	0.1677E-05	90-120	0.1669E-05
45-60.00	0.1738E-03	-7.5 TO 22.5	0.5709E-06	82.5-112.5	0.5662E-06	45	0- 30	0.1351E-05	90-120	0.1341E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.3482E-06	82.5-112.5	0.3437E-06	60	0- 30	0.9339E-06	90-120	0.9237E-06
75-89.89	0.2155E-03	-7.5 TO 22.5	0.1086E-06	82.5-112.5	0.1052E-06	75	0- 30	0.4606E-06	90-120	0.4515E-06
0-15.00	0.4288E-04	-7.5 TO 37.5	0.9590E-06	82.5-127.5	0.9576E-06	0	0- 45	0.2928E-05	90-135	0.2928E-05
15-30.00	0.1257E-03	-7.5 TO 37.5	0.8899E-06	82.5-127.5	0.8868E-06	15	0- 45	0.2825E-05	90-135	0.2818E-05
30-45.00	0.2000E-03	-7.5 TO 37.5	0.7566E-06	82.5-127.5	0.7522E-06	30	0- 45	0.2514E-05	90-135	0.2502E-05
45-60.00	0.2606E-03	-7.5 TO 37.5	0.5707E-06	82.5-127.5	0.5657E-06	45	0- 45	0.2025E-05	90-135	0.2010E-05
60-75.00	0.3035E-03	-7.5 TO 37.5	0.3480E-06	82.5-127.5	0.3432E-06	60	0- 45	0.1400E-05	90-135	0.1384E-05
75-89.89	0.3232E-03	-7.5 TO 37.5	0.1085E-06	82.5-127.5	0.1048E-06	75	0- 45	0.6903E-06	90-135	0.6760E-06
0-15.00	0.5717E-04	-7.5 TO 52.5	0.9590E-06	82.5-142.5	0.9575E-06	0	0- 60	0.3904E-05	90-150	0.3904E-05
15-30.00	0.1676E-03	-7.5 TO 52.5	0.8898E-06	82.5-142.5	0.8865E-06	15	0- 60	0.3766E-05	90-150	0.3756E-05
30-45.00	0.2667E-03	-7.5 TO 52.5	0.7564E-06	82.5-142.5	0.7518E-06	30	0- 60	0.3352E-05	90-150	0.3335E-05
45-60.00	0.3475E-03	-7.5 TO 52.5	0.5705E-06	82.5-142.5	0.5653E-06	45	0- 60	0.2699E-05	90-150	0.2678E-05
60-75.00	0.4047E-03	-7.5 TO 52.5	0.3478E-06	82.5-142.5	0.3428E-06	60	0- 60	0.1866E-05	90-150	0.1844E-05
75-89.89	0.4309E-03	-7.5 TO 52.5	0.1083E-06	82.5-142.5	0.1045E-06	75	0- 60	0.9194E-06	90-150	0.8998E-06
0-15.00	0.7147E-04	-7.5 TO 67.5	0.9589E-06	82.5-157.5	0.9574E-06	0	0- 75	0.4880E-05	90-165	0.4880E-05
15-30.00	0.2093E-03	-7.5 TO 67.5	0.8896E-06	82.5-157.5	0.8863E-06	15	0- 75	0.4706E-05	90-165	0.4695E-05
30-45.00	0.3333E-03	-7.5 TO 67.5	0.7561E-06	82.5-157.5	0.7514E-06	30	0- 75	0.4188E-05	90-165	0.4167E-05
45-60.00	0.4344E-03	-7.5 TO 67.5	0.5701E-06	82.5-157.5	0.5648E-06	45	0- 75	0.3372E-05	90-165	0.3346E-05
60-75.00	0.5059E-03	-7.5 TO 67.5	0.3475E-06	82.5-157.5	0.3424E-06	60	0- 75	0.2330E-05	90-165	0.2303E-05
75-89.89	0.5387E-03	-7.5 TO 67.5	0.1081E-06	82.5-157.5	0.1042E-06	75	0- 75	0.1148E-05	90-165	0.1123E-05
0-15.00	0.8576E-04	-7.5 TO 82.5	0.9588E-06	82.5-172.5	0.9573E-06	0	0- 90	0.5855E-05	90-180	0.5855E-05
15-30.00	0.2514E-03	-7.5 TO 82.5	0.8893E-06	82.5-172.5	0.8861E-06	15	0- 90	0.5646E-05	90-180	0.5633E-05
30-45.00	0.4000E-03	-7.5 TO 82.5	0.7558E-06	82.5-172.5	0.7511E-06	30	0- 90	0.5024E-05	90-180	0.4999E-05
45-60.00	0.5213E-03	-7.5 TO 82.5	0.5698E-06	82.5-172.5	0.5645E-06	45	0- 90	0.4045E-05	90-180	0.4014E-05
60-75.00	0.6070E-03	-7.5 TO 82.5	0.3471E-06	82.5-172.5	0.3421E-06	60	0- 90	0.2794E-05	90-180	0.2762E-05
75-89.89	0.6464E-03	-7.5 TO 82.5	0.1078E-06	82.5-172.5	0.1039E-06	75	0- 90	0.1375E-05	90-180	0.1346E-05
0-15.00	0.1001E-03	-7.5 TO 97.5	0.9586E-06	82.5-187.5	0.9572E-06	0	0-105	0.6831E-05	90-195	0.6831E-05
15-30.00	0.2933E-03	-7.5 TO 97.5	0.8891E-06	82.5-187.5	0.8859E-06	15	0-105	0.6586E-05	90-195	0.6571E-05
30-45.00	0.4667E-03	-7.5 TO 97.5	0.7554E-06	82.5-187.5	0.7509E-06	30	0-105	0.5859E-05	90-195	0.5832E-05
45-60.00	0.6081E-03	-7.5 TO 97.5	0.5693E-06	82.5-187.5	0.5642E-06	45	0-105	0.4715E-05	90-195	0.4681E-05
60-75.00	0.7082E-03	-7.5 TO 97.5	0.3467E-06	82.5-187.5	0.3418E-06	60	0-105	0.3256E-05	90-195	0.3220E-05
75-89.89	0.7541E-03	-7.5 TO 97.5	0.1075E-06	82.5-187.5	0.1037E-06	75	0-105	0.1601E-05	90-195	0.1569E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0019 $\cosh \mu_2$ = 27.7757 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 148.95

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.3570E-05	82.5- 97.5	0.3561E-05	0	0- 15	0.3628E-05	90-105	0.3628E-05
15-30.00	0.4191E-04	-7.5 TO 7.5	0.3319E-05	82.5- 97.5	0.3300E-05	15	0- 15	0.3508E-05	90-105	0.3493E-05
30-45.00	0.6666E-04	-7.5 TO 7.5	0.2827E-05	82.5- 97.5	0.2800E-05	30	0- 15	0.3129E-05	90-105	0.3102E-05
45-60.00	0.8688E-04	-7.5 TO 7.5	0.2138E-05	82.5- 97.5	0.2107E-05	45	0- 15	0.2526E-05	90-105	0.2493E-05
60-75.00	0.1012E-03	-7.5 TO 7.5	0.1309E-05	82.5- 97.5	0.1280E-05	60	0- 15	0.1752E-05	90-105	0.1717E-05
75-89.89	0.1077E-03	-7.5 TO 7.5	0.4151E-06	82.5- 97.5	0.3927E-06	75	0- 15	0.8702E-06	90-105	0.8395E-06
0-15.00	0.2859E-04	-7.5 TO 22.5	0.3570E-05	82.5-112.5	0.3560E-05	0	0- 30	0.7257E-05	90-120	0.7257E-05
15-30.00	0.8381E-04	-7.5 TO 22.5	0.3318E-05	82.5-112.5	0.3297E-05	15	0- 30	0.7014E-05	90-120	0.6982E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.2827E-05	82.5-112.5	0.2797E-05	30	0- 30	0.6256E-05	90-120	0.6199E-05
45-60.00	0.1738E-03	-7.5 TO 22.5	0.2137E-05	82.5-112.5	0.2103E-05	45	0- 30	0.5051E-05	90-120	0.4978E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.1309E-05	82.5-112.5	0.1276E-05	60	0- 30	0.3502E-05	90-120	0.3427E-05
75-89.89	0.2155E-03	-7.5 TO 22.5	0.4147E-06	82.5-112.5	0.3898E-06	75	0- 30	0.1739E-05	90-120	0.1672E-05
0-15.00	0.4288E-04	-7.5 TO 37.5	0.3570E-05	82.5-127.5	0.3559E-05	0	0- 45	0.1089E-04	90-135	0.1089E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.3318E-05	82.5-127.5	0.3295E-05	15	0- 45	0.1052E-04	90-135	0.1047E-04
30-45.00	0.2000E-03	-7.5 TO 37.5	0.2826E-05	82.5-127.5	0.2793E-05	30	0- 45	0.9381E-05	90-135	0.9290E-05
45-60.00	0.2606E-03	-7.5 TO 37.5	0.2136E-05	82.5-127.5	0.2100E-05	45	0- 45	0.7571E-05	90-135	0.7457E-05
60-75.00	0.3035E-03	-7.5 TO 37.5	0.1308E-05	82.5-127.5	0.1273E-05	60	0- 45	0.5247E-05	90-135	0.5129E-05
75-89.89	0.3232E-03	-7.5 TO 37.5	0.4138E-06	82.5-127.5	0.3870E-06	75	0- 45	0.2603E-05	90-135	0.2499E-05
0-15.00	0.5717E-04	-7.5 TO 52.5	0.3569E-05	82.5-142.5	0.3558E-05	0	0- 60	0.1451E-04	90-150	0.1451E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.3317E-05	82.5-142.5	0.3293E-05	15	0- 60	0.1402E-04	90-150	0.1395E-04
30-45.00	0.2667E-03	-7.5 TO 52.5	0.2824E-05	82.5-142.5	0.2790E-05	30	0- 60	0.1250E-04	90-150	0.1238E-04
45-60.00	0.3475E-03	-7.5 TO 52.5	0.2134E-05	82.5-142.5	0.2096E-05	45	0- 60	0.1009E-04	90-150	0.9930E-05
60-75.00	0.4047E-03	-7.5 TO 52.5	0.1306E-05	82.5-142.5	0.1269E-05	60	0- 60	0.6987E-05	90-150	0.6826E-05
75-89.89	0.4309E-03	-7.5 TO 52.5	0.4125E-06	82.5-142.5	0.3845E-06	75	0- 60	0.3463E-05	90-150	0.3320E-05
0-15.00	0.7147E-04	-7.5 TO 67.5	0.3569E-05	82.5-157.5	0.3557E-05	0	0- 75	0.1814E-04	90-165	0.1814E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.3315E-05	82.5-157.5	0.3291E-05	15	0- 75	0.1752E-04	90-165	0.1744E-04
30-45.00	0.3333E-03	-7.5 TO 67.5	0.2822E-05	82.5-157.5	0.2787E-05	30	0- 75	0.1562E-04	90-165	0.1546E-04
45-60.00	0.4344E-03	-7.5 TO 67.5	0.2132E-05	82.5-157.5	0.2093E-05	45	0- 75	0.1259E-04	90-165	0.1240E-04
60-75.00	0.5059E-03	-7.5 TO 67.5	0.1304E-05	82.5-157.5	0.1266E-05	60	0- 75	0.8720E-05	90-165	0.8519E-05
75-89.89	0.5387E-03	-7.5 TO 67.5	0.4108E-06	82.5-157.5	0.3823E-06	75	0- 75	0.4316E-05	90-165	0.4139E-05
0-15.00	0.8576E-04	-7.5 TO 82.5	0.3568E-05	82.5-172.5	0.3557E-05	0	0- 90	0.2177E-04	90-180	0.2177E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.3313E-05	82.5-172.5	0.3289E-05	15	0- 90	0.2102E-04	90-180	0.2092E-04
30-45.00	0.4000E-03	-7.5 TO 82.5	0.2820E-05	82.5-172.5	0.2785E-05	30	0- 90	0.1872E-04	90-180	0.1854E-04
45-60.00	0.5213E-03	-7.5 TO 82.5	0.2129E-05	82.5-172.5	0.2091E-05	45	0- 90	0.1509E-04	90-180	0.1487E-04
60-75.00	0.6070E-03	-7.5 TO 82.5	0.1301E-05	82.5-172.5	0.1264E-05	60	0- 90	0.1045E-04	90-180	0.1021E-04
75-89.89	0.6464E-03	-7.5 TO 82.5	0.4087E-06	82.5-172.5	0.3805E-06	75	0- 90	0.5163E-05	90-180	0.4955E-05
0-15.00	0.1001E-03	-7.5 TO 97.5	0.3567E-05	82.5-187.5	0.3556E-05	0	0-105	0.2540E-04	90-195	0.2540E-04
15-30.00	0.2933E-03	-7.5 TO 97.5	0.3311E-05	82.5-187.5	0.3288E-05	15	0-105	0.2451E-04	90-195	0.2440E-04
30-45.00	0.4667E-03	-7.5 TO 97.5	0.2817E-05	82.5-187.5	0.2783E-05	30	0-105	0.2183E-04	90-195	0.2163E-04
45-60.00	0.6081E-03	-7.5 TO 97.5	0.2126E-05	82.5-187.5	0.2089E-05	45	0-105	0.1759E-04	90-195	0.1733E-04
60-75.00	0.7082E-03	-7.5 TO 97.5	0.1298E-05	82.5-187.5	0.1262E-05	60	0-105	0.1216E-04	90-195	0.1190E-04
75-89.89	0.7541E-03	-7.5 TO 97.5	0.4064E-06	82.5-187.5	0.3791E-06	75	0-105	0.6003E-05	90-195	0.5771E-05

r_2/r_1 = 0.90 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0019 $\cosh \mu_2$ = 27.7757 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 133.52

0-15.00	0.1429E-04	-7.5 TO 7.5	0.7106E-05	82.5- 97.5	0.7080E-05	0	0- 15	0.7213E-05	90-105	0.7213E-05
15-30.00	0.4191E-04	-7.5 TO 7.5	0.6617E-05	82.5- 97.5	0.6560E-05	15	0- 15	0.6986E-05	90-105	0.6942E-05
30-45.00	0.6666E-04	-7.5 TO 7.5	0.5648E-05	82.5- 97.5	0.5567E-05	30	0- 15	0.6244E-05	90-105	0.6165E-05
45-60.00	0.8688E-04	-7.5 TO 7.5	0.4280E-05	82.5- 97.5	0.4190E-05	45	0- 15	0.5051E-05	90-105	0.4952E-05
60-75.00	0.1012E-03	-7.5 TO 7.5	0.2630E-05	82.5- 97.5	0.2545E-05	60	0- 15	0.3512E-05	90-105	0.3411E-05
75-89.89	0.1077E-03	-7.5 TO 7.5	0.8450E-06	82.5- 97.5	0.7809E-06	75	0- 15	0.1755E-05	90-105	0.1666E-05
0-15.00	0.2859E-04	-7.5 TO 22.5	0.7106E-05	82.5-112.5	0.7077E-05	0	0- 30	0.1443E-04	90-120	0.1443E-04
15-30.00	0.8381E-04	-7.5 TO 22.5	0.6616E-05	82.5-112.5	0.6552E-05	15	0- 30	0.1397E-04	90-120	0.1387E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.5646E-05	82.5-112.5	0.5556E-05	30	0- 30	0.1248E-04	90-120	0.1231E-04
45-60.00	0.1738E-03	-7.5 TO 22.5	0.4279E-05	82.5-112.5	0.4178E-05	45	0- 30	0.1010E-04	90-120	0.9883E-05
60-75.00	0.2023E-03	-7.5 TO 22.5	0.2629E-05	82.5-112.5	0.2534E-05	60	0- 30	0.7018E-05	90-120	0.6799E-05
75-89.89	0.2155E-03	-7.5 TO 22.5	0.8438E-06	82.5-112.5	0.7727E-06	75	0- 30	0.3504E-05	90-120	0.3313E-05
0-15.00	0.4288E-04	-7.5 TO 37.5	0.7105E-05	82.5-127.5	0.7074E-05	0	0- 45	0.2164E-04	90-135	0.2164E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.6614E-05	82.5-127.5	0.6545E-05	15	0- 45	0.2095E-04	90-135	0.2080E-04
30-45.00	0.2000E-03	-7.5 TO 37.5	0.5643E-05	82.5-127.5	0.5547E-05	30	0- 45	0.1871E-04	90-135	0.1844E-04
45-60.00	0.2606E-03	-7.5 TO 37.5	0.4275E-05	82.5-127.5	0.4167E-05	45	0- 45	0.1513E-04	90-135	0.1479E-04
60-75.00	0.3035E-03	-7.5 TO 37.5	0.2626E-05	82.5-127.5	0.2524E-05	60	0- 45	0.1051E-04	90-135	0.1017E-04
75-89.89	0.3232E-03	-7.5 TO 37.5	0.8413E-06	82.5-127.5	0.7649E-06	75	0- 45	0.5243E-05	90-135	0.4942E-05
0-15.00	0.5717E-04	-7.5 TO 52.5	0.7103E-05	82.5-142.5	0.7071E-05	0	0- 60	0.2885E-04	90-150	0.2885E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.6610E-05	82.5-142.5	0.6539E-05	15	0- 60	0.2792E-04	90-150	0.2771E-04
30-45.00	0.2667E-03	-7.5 TO 52.5	0.5638E-05	82.5-142.5	0.5538E-05	30	0- 60	0.2493E-04	90-150	0.2456E-04
45-60.00	0.3475E-03	-7.5 TO 52.5	0.4270E-05	82.5-142.5	0.4157E-05	45	0- 60	0.2015E-04	90-150	0.1969E-04
60-75.00	0.4047E-03	-7.5 TO 52.5	0.2620E-05	82.5-142.5	0.2514E-05	60	0- 60	0.1399E-04	90-150	0.1352E-04
75-89.89	0.4309E-03	-7.5 TO 52.5	0.8375E-06	82.5-142.5	0.7578E-06	75	0- 60	0.6967E-05	90-150	0.6557E-05
0-15.00	0.7147E-04	-7.5 TO 67.5	0.7101E-05	82.5-157.5	0.7068E-05	0	0- 75	0.3607E-04	90-165	0.3607E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.6606E-05	82.5-157.5	0.6533E-05	15	0- 75	0.3488E-04	90-165	0.3463E-04
30-45.00	0.3333E-03	-7.5 TO 67.5	0.5632E-05	82.5-157.5	0.5530E-05	30	0- 75	0.3113E-04	90-165	0.3067E-04
45-60.00	0.4344E-03	-7.5 TO 67.5	0.4263E-05	82.5-157.5	0.4148E-05	45	0- 75	0.2514E-04	90-165	0.2457E-04
60-75.00	0.5059E-03	-7.5 TO 67.5	0.2614E-05	82.5-157.5	0.2506E-05	60	0- 75	0.1745E-04	90-165	0.1686E-04
75-89.89	0.5387E-03	-7.5 TO 67.5	0.8325E-06	82.5-157.5	0.7515E-06	75	0- 75	0.8674E-05	90-165	0.8161E-05
0-15.00	0.8576E-04	-7.5 TO 82.5	0.7099E-05	82.5-172.5	0.7066E-05	0	0- 90	0.4328E-04	90-180	0.4328E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.6601E-05	82.5-172.5	0.6529E-05	15	0- 90	0.4183E-04	90-180	0.4153E-04
30-45.00	0.4000E-03	-7.5 TO 82.5	0.5625E-05	82.5-172.5	0.5523E-05	30	0- 90	0.3731E-04	90-180	0.3678E-04
45-60.00	0.5213E-03	-7.5 TO 82.5	0.4254E-05	82.5-172.5	0.4141E-05	45	0- 90	0.3012E-04	90-180	0.2945E-04
60-75.00	0.6070E-03	-7.5 TO 82.5	0.2606E-05	82.5-172.5	0.2499E-05	60	0- 90	0.2088E-04	90-180	0.2019E-04
75-89.89	0.6464E-03	-7.5 TO 82.5	0.8267E-06	82.5-172.5	0.7463E-06	75	0- 90	0.1036E-04	90-180	0.9761E-05
0-15.00	0.1001E-03	-7.5 TO 97.5	0.7096E-05	82.5-187.5	0.7064E-05	0	0-105	0.5049E-04	90-195	0.5049E-04
15-30.00	0.2933E-03	-7.5 TO 97.5	0.6595E-05	82.5-187.5	0.6525E-05	15	0-105	0.4877E-04	90-195	0.4844E-04
30-45.00	0.4667E-03	-7.5 TO 97.5	0.5616E-05	82.5-187.5	0.5518E-05	30	0-105	0.4348E-04	90-195	0.4288E-04
45-60.00	0.6081E-03	-7.5 TO 97.5	0.4245E-05	82.5-187.5	0.4135E-05	45	0-105	0.3507E-04	90-195	0.3433E-04
60-75.00	0.7082E-03	-7.5 TO 97.5	0.2597E-05	82.5-187.5	0.2493E-05	60	0-105	0.2429E-04	90-195	0.2353E-04
75-89.89	0.7541E-03	-7.5 TO 97.5	0.8201E-06	82.5-187.5	0.7423E-06	75	0-105	0.1203E-04	90-195	0.1136E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0019 $\cosh \mu_2$ = 27.7757 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 118.20

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.1059E-04	82.5- 97.5	0.1054E-04	0	0- 15	0.1074E-04	90-105	0.1074E-04
15-30.00	0.4191E-04	-7.5 TO 7.5	0.9877E-05	82.5- 97.5	0.9764E-05	15	0- 15	0.1042E-04	90-105	0.1033E-04
30-45.00	0.6666E-04	-7.5 TO 7.5	0.8446E-05	82.5- 97.5	0.8286E-05	30	0- 15	0.9328E-05	90-105	0.9171E-05
45-60.00	0.8688E-04	-7.5 TO 7.5	0.6414E-05	82.5- 97.5	0.6237E-05	45	0- 15	0.7561E-05	90-105	0.7366E-05
60-75.00	0.1012E-03	-7.5 TO 7.5	0.3953E-05	82.5- 97.5	0.3789E-05	60	0- 15	0.5269E-05	90-105	0.5072E-05
75-89.89	0.1077E-03	-7.5 TO 7.5	0.1283E-05	82.5- 97.5	0.1163E-05	75	0- 15	0.2645E-05	90-105	0.2476E-05
0-15.00	0.2859E-04	-7.5 TO 22.5	0.1059E-04	82.5-112.5	0.1053E-04	0	0- 30	0.2147E-04	90-120	0.2147E-04
15-30.00	0.8381E-04	-7.5 TO 22.5	0.9875E-05	82.5-112.5	0.9749E-05	15	0- 30	0.2083E-04	90-120	0.2064E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.8443E-05	82.5-112.5	0.8266E-05	30	0- 30	0.1865E-04	90-120	0.1831E-04
45-60.00	0.1738E-03	-7.5 TO 22.5	0.6410E-05	82.5-112.5	0.6214E-05	45	0- 30	0.1511E-04	90-120	0.1469E-04
60-75.00	0.2023E-03	-7.5 TO 22.5	0.3950E-05	82.5-112.5	0.3768E-05	60	0- 30	0.1053E-04	90-120	0.1010E-04
75-89.89	0.2155E-03	-7.5 TO 22.5	0.1280E-05	82.5-112.5	0.1147E-05	75	0- 30	0.5279E-05	90-120	0.4916E-05
0-15.00	0.4288E-04	-7.5 TO 37.5	0.1059E-04	82.5-127.5	0.1052E-04	0	0- 45	0.3221E-04	90-135	0.3221E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.9871E-05	82.5-127.5	0.9735E-05	15	0- 45	0.3123E-04	90-135	0.3093E-04
30-45.00	0.2000E-03	-7.5 TO 37.5	0.8437E-05	82.5-127.5	0.8246E-05	30	0- 45	0.2795E-04	90-135	0.2741E-04
45-60.00	0.2606E-03	-7.5 TO 37.5	0.6404E-05	82.5-127.5	0.6192E-05	45	0- 45	0.2264E-04	90-135	0.2197E-04
60-75.00	0.3035E-03	-7.5 TO 37.5	0.3944E-05	82.5-127.5	0.3748E-05	60	0- 45	0.1576E-04	90-135	0.1509E-04
75-89.89	0.3232E-03	-7.5 TO 37.5	0.1276E-05	82.5-127.5	0.1133E-05	75	0- 45	0.7894E-05	90-135	0.7322E-05
0-15.00	0.5717E-04	-7.5 TO 52.5	0.1058E-04	82.5-142.5	0.1052E-04	0	0- 60	0.4294E-04	90-150	0.4294E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.9864E-05	82.5-142.5	0.9722E-05	15	0- 60	0.4162E-04	90-150	0.4121E-04
30-45.00	0.2667E-03	-7.5 TO 52.5	0.8427E-05	82.5-142.5	0.8228E-05	30	0- 60	0.3722E-04	90-150	0.3649E-04
45-60.00	0.3475E-03	-7.5 TO 52.5	0.6393E-05	82.5-142.5	0.6173E-05	45	0- 60	0.3013E-04	90-150	0.2923E-04
60-75.00	0.4047E-03	-7.5 TO 52.5	0.3934E-05	82.5-142.5	0.3729E-05	60	0- 60	0.2096E-04	90-150	0.2005E-04
75-89.89	0.4309E-03	-7.5 TO 52.5	0.1269E-05	82.5-142.5	0.1120E-05	75	0- 60	0.1048E-04	90-150	0.9702E-05
0-15.00	0.7147E-04	-7.5 TO 67.5	0.1058E-04	82.5-157.5	0.1051E-04	0	0- 75	0.5368E-04	90-165	0.5368E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.9855E-05	82.5-157.5	0.9711E-05	15	0- 75	0.5199E-04	90-165	0.5148E-04
30-45.00	0.3333E-03	-7.5 TO 67.5	0.8415E-05	82.5-157.5	0.8212E-05	30	0- 75	0.4646E-04	90-165	0.4555E-04
45-60.00	0.4344E-03	-7.5 TO 67.5	0.6379E-05	82.5-157.5	0.6155E-05	45	0- 75	0.3758E-04	90-165	0.3644E-04
60-75.00	0.5059E-03	-7.5 TO 67.5	0.3921E-05	82.5-157.5	0.3713E-05	60	0- 75	0.2612E-04	90-165	0.2498E-04
75-89.89	0.5387E-03	-7.5 TO 67.5	0.1259E-05	82.5-157.5	0.1108E-05	75	0- 75	0.1303E-04	90-165	0.1206E-04
0-15.00	0.8576E-04	-7.5 TO 82.5	0.1058E-04	82.5-172.5	0.1051E-04	0	0- 90	0.6442E-04	90-180	0.6442E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.9845E-05	82.5-172.5	0.9702E-05	15	0- 90	0.6234E-04	90-180	0.6175E-04
30-45.00	0.4000E-03	-7.5 TO 82.5	0.8400E-05	82.5-172.5	0.8199E-05	30	0- 90	0.5567E-04	90-180	0.5461E-04
45-60.00	0.5213E-03	-7.5 TO 82.5	0.6363E-05	82.5-172.5	0.6141E-05	45	0- 90	0.4500E-04	90-180	0.4367E-04
60-75.00	0.6070E-03	-7.5 TO 82.5	0.3906E-05	82.5-172.5	0.3700E-05	60	0- 90	0.3124E-04	90-180	0.2990E-04
75-89.89	0.6464E-03	-7.5 TO 82.5	0.1248E-05	82.5-172.5	0.1099E-05	75	0- 90	0.1555E-04	90-180	0.1441E-04
0-15.00	0.1001E-03	-7.5 TO 97.5	0.1057E-04	82.5-187.5	0.1051E-04	0	0-105	0.7515E-04	90-195	0.7515E-04
15-30.00	0.2933E-03	-7.5 TO 97.5	0.9833E-05	82.5-187.5	0.9695E-05	15	0-105	0.7267E-04	90-195	0.7201E-04
30-45.00	0.4667E-03	-7.5 TO 97.5	0.8384E-05	82.5-187.5	0.8189E-05	30	0-105	0.6484E-04	90-195	0.6366E-04
45-60.00	0.6081E-03	-7.5 TO 97.5	0.6345E-05	82.5-187.5	0.6130E-05	45	0-105	0.5236E-04	90-195	0.5089E-04
60-75.00	0.7082E-03	-7.5 TO 97.5	0.3889E-05	82.5-187.5	0.3690E-05	60	0-105	0.3631E-04	90-195	0.3483E-04
75-89.89	0.7541E-03	-7.5 TO 97.5	0.1236E-05	82.5-187.5	0.1091E-05	75	0-105	0.1802E-04	90-195	0.1676E-04

r_2/r_1 = 0.90 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0019 $\cosh \mu_2$ = 27.7757 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 103.00

0-15.00	0.1429E-04	-7.5 TO 7.5	0.1307E-04	82.5- 97.5	0.1299E-04	0	0- 15	0.1324E-04	90-105	0.1324E-04
15-30.00	0.4191E-04	-7.5 TO 7.5	0.1222E-04	82.5- 97.5	0.1204E-04	15	0- 15	0.1287E-04	90-105	0.1273E-04
30-45.00	0.6666E-04	-7.5 TO 7.5	0.1046E-04	82.5- 97.5	0.1022E-04	30	0- 15	0.1155E-04	90-105	0.1130E-04
45-60.00	0.8688E-04	-7.5 TO 7.5	0.7961E-05	82.5- 97.5	0.7690E-05	45	0- 15	0.9376E-05	90-105	0.9075E-05
60-75.00	0.1012E-03	-7.5 TO 7.5	0.4918E-05	82.5- 97.5	0.4672E-05	60	0- 15	0.6547E-05	90-105	0.6247E-05
75-89.89	0.1077E-03	-7.5 TO 7.5	0.1606E-05	82.5- 97.5	0.1434E-05	75	0- 15	0.3297E-05	90-105	0.3049E-05
0-15.00	0.2859E-04	-7.5 TO 22.5	0.1307E-04	82.5-112.5	0.1298E-04	0	0- 30	0.2647E-04	90-120	0.2647E-04
15-30.00	0.8381E-04	-7.5 TO 22.5	0.1221E-04	82.5-112.5	0.1201E-04	15	0- 30	0.2573E-04	90-120	0.2543E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.1046E-04	82.5-112.5	0.1018E-04	30	0- 30	0.2308E-04	90-120	0.2255E-04
45-60.00	0.1738E-03	-7.5 TO 22.5	0.7957E-05	82.5-112.5	0.7655E-05	45	0- 30	0.1873E-04	90-120	0.1808E-04
60-75.00	0.2023E-03	-7.5 TO 22.5	0.4914E-05	82.5-112.5	0.4641E-05	60	0- 30	0.1308E-04	90-120	0.1243E-04
75-89.89	0.2155E-03	-7.5 TO 22.5	0.1603E-05	82.5-112.5	0.1412E-05	75	0- 30	0.6578E-05	90-120	0.6045E-05
0-15.00	0.4288E-04	-7.5 TO 37.5	0.1307E-04	82.5-127.5	0.1297E-04	0	0- 45	0.3971E-04	90-135	0.3971E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.1221E-04	82.5-127.5	0.1199E-04	15	0- 45	0.3858E-04	90-135	0.3811E-04
30-45.00	0.2000E-03	-7.5 TO 37.5	0.1045E-04	82.5-127.5	0.1015E-04	30	0- 45	0.3458E-04	90-135	0.3375E-04
45-60.00	0.2606E-03	-7.5 TO 37.5	0.7946E-05	82.5-127.5	0.7622E-05	45	0- 45	0.2806E-04	90-135	0.2703E-04
60-75.00	0.3035E-03	-7.5 TO 37.5	0.4904E-05	82.5-127.5	0.4611E-05	60	0- 45	0.1957E-04	90-135	0.1855E-04
75-89.89	0.3232E-03	-7.5 TO 37.5	0.1596E-05	82.5-127.5	0.1392E-05	75	0- 45	0.9830E-05	90-135	0.8992E-05
0-15.00	0.5717E-04	-7.5 TO 52.5	0.1306E-04	82.5-142.5	0.1296E-04	0	0- 60	0.5295E-04	90-150	0.5295E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.1219E-04	82.5-142.5	0.1197E-04	15	0- 60	0.5140E-04	90-150	0.5076E-04
30-45.00	0.2667E-03	-7.5 TO 52.5	0.1044E-04	82.5-142.5	0.1013E-04	30	0- 60	0.4604E-04	90-150	0.4491E-04
45-60.00	0.3475E-03	-7.5 TO 52.5	0.7930E-05	82.5-142.5	0.7592E-05	45	0- 60	0.3733E-04	90-150	0.3593E-04
60-75.00	0.4047E-03	-7.5 TO 52.5	0.4889E-05	82.5-142.5	0.4584E-05	60	0- 60	0.2601E-04	90-150	0.2462E-04
75-89.89	0.4309E-03	-7.5 TO 52.5	0.1586E-05	82.5-142.5	0.1373E-05	75	0- 60	0.1304E-04	90-150	0.1190E-04
0-15.00	0.7147E-04	-7.5 TO 67.5	0.1306E-04	82.5-157.5	0.1295E-04	0	0- 75	0.6618E-04	90-165	0.6618E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.1218E-04	82.5-157.5	0.1196E-04	15	0- 75	0.6419E-04	90-165	0.6340E-04
30-45.00	0.3333E-03	-7.5 TO 67.5	0.1042E-04	82.5-157.5	0.1010E-04	30	0- 75	0.5746E-04	90-165	0.5604E-04
45-60.00	0.4344E-03	-7.5 TO 67.5	0.7909E-05	82.5-157.5	0.7565E-05	45	0- 75	0.4654E-04	90-165	0.4480E-04
60-75.00	0.5059E-03	-7.5 TO 67.5	0.4870E-05	82.5-157.5	0.4560E-05	60	0- 75	0.3240E-04	90-165	0.3067E-04
75-89.89	0.5387E-03	-7.5 TO 67.5	0.1572E-05	82.5-157.5	0.1357E-05	75	0- 75	0.1620E-04	90-165	0.1478E-04
0-15.00	0.8576E-04	-7.5 TO 82.5	0.1305E-04	82.5-172.5	0.1295E-04	0	0- 90	0.7942E-04	90-180	0.7942E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.1216E-04	82.5-172.5	0.1194E-04	15	0- 90	0.7696E-04	90-180	0.7603E-04
30-45.00	0.4000E-03	-7.5 TO 82.5	0.1039E-04	82.5-172.5	0.1008E-04	30	0- 90	0.6881E-04	90-180	0.6715E-04
45-60.00	0.5213E-03	-7.5 TO 82.5	0.7884E-05	82.5-172.5	0.7543E-05	45	0- 90	0.5569E-04	90-180	0.5365E-04
60-75.00	0.6070E-03	-7.5 TO 82.5	0.4848E-05	82.5-172.5	0.4540E-05	60	0- 90	0.3871E-04	90-180	0.3669E-04
75-89.89	0.6464E-03	-7.5 TO 82.5	0.1557E-05	82.5-172.5	0.1343E-05	75	0- 90	0.1931E-04	90-180	0.1765E-04
0-15.00	0.1001E-03	-7.5 TO 97.5	0.1304E-04	82.5-187.5	0.1294E-04	0	0-105	0.9265E-04	90-195	0.9265E-04
15-30.00	0.2933E-03	-7.5 TO 97.5	0.1215E-04	82.5-187.5	0.1193E-04	15	0-105	0.8969E-04	90-195	0.8865E-04
30-45.00	0.4667E-03	-7.5 TO 97.5	0.1037E-04	82.5-187.5	0.1007E-04	30	0-105	0.8012E-04	90-195	0.7827E-04
45-60.00	0.6081E-03	-7.5 TO 97.5	0.7856E-05	82.5-187.5	0.7526E-05	45	0-105	0.6476E-04	90-195	0.6250E-04
60-75.00	0.7082E-03	-7.5 TO 97.5	0.4822E-05	82.5-187.5	0.4525E-05	60	0-105	0.4496E-04	90-195	0.4271E-04
75-89.89	0.7541E-03	-7.5 TO 97.5	0.1539E-05	82.5-187.5	0.1333E-05	75	0-105	0.2236E-04	90-195	0.2052E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0019 $\cosh \mu_2$ = 27.7757 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 87.94

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1429E-04	-7.5 TO 7.5	0.1391E-04	82.5- 97.5	0.1380E-04	0	0- 15	0.1406E-04	90-105	0.1406E-04
15-30.00	0.4191E-04	-7.5 TO 7.5	0.1302E-04	82.5- 97.5	0.1278E-04	15	0- 15	0.1370E-04	90-105	0.1352E-04
30-45.00	0.6666E-04	-7.5 TO 7.5	0.1117E-04	82.5- 97.5	0.1085E-04	30	0- 15	0.1232E-04	90-105	0.1200E-04
45-60.00	0.8688E-04	-7.5 TO 7.5	0.8516E-05	82.5- 97.5	0.8167E-05	45	0- 15	0.1002E-04	90-105	0.9630E-05
60-75.00	0.1012E-03	-7.5 TO 7.5	0.5269E-05	82.5- 97.5	0.4962E-05	60	0- 15	0.7009E-05	90-105	0.6628E-05
75-89.89	0.1077E-03	-7.5 TO 7.5	0.1725E-05	82.5- 97.5	0.1523E-05	75	0- 15	0.3535E-05	90-105	0.3235E-05
0-15.00	0.2859E-04	-7.5 TO 22.5	0.1390E-04	82.5-112.5	0.1378E-04	0	0- 30	0.2811E-04	90-120	0.2811E-04
15-30.00	0.8381E-04	-7.5 TO 22.5	0.1301E-04	82.5-112.5	0.1275E-04	15	0- 30	0.2738E-04	90-120	0.2700E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.1117E-04	82.5-112.5	0.1081E-04	30	0- 30	0.2461E-04	90-120	0.2392E-04
45-60.00	0.1738E-03	-7.5 TO 22.5	0.8510E-05	82.5-112.5	0.8123E-05	45	0- 30	0.2002E-04	90-120	0.1917E-04
60-75.00	0.2023E-03	-7.5 TO 22.5	0.5264E-05	82.5-112.5	0.4923E-05	60	0- 30	0.1399E-04	90-120	0.1317E-04
75-89.89	0.2155E-03	-7.5 TO 22.5	0.1721E-05	82.5-112.5	0.1498E-05	75	0- 30	0.7052E-05	90-120	0.6405E-05
0-15.00	0.4288E-04	-7.5 TO 37.5	0.1390E-04	82.5-127.5	0.1377E-04	0	0- 45	0.4217E-04	90-135	0.4217E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.1300E-04	82.5-127.5	0.1273E-04	15	0- 45	0.4105E-04	90-135	0.4044E-04
30-45.00	0.2000E-03	-7.5 TO 37.5	0.1116E-04	82.5-127.5	0.1077E-04	30	0- 45	0.3687E-04	90-135	0.3578E-04
45-60.00	0.2606E-03	-7.5 TO 37.5	0.8496E-05	82.5-127.5	0.8081E-05	45	0- 45	0.2997E-04	90-135	0.2864E-04
60-75.00	0.3035E-03	-7.5 TO 37.5	0.5252E-05	82.5-127.5	0.4887E-05	60	0- 45	0.2093E-04	90-135	0.1965E-04
75-89.89	0.3232E-03	-7.5 TO 37.5	0.1713E-05	82.5-127.5	0.1475E-05	75	0- 45	0.1053E-04	90-135	0.9518E-05
0-15.00	0.5717E-04	-7.5 TO 52.5	0.1389E-04	82.5-142.5	0.1376E-04	0	0- 60	0.5623E-04	90-150	0.5623E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.1299E-04	82.5-142.5	0.1270E-04	15	0- 60	0.5469E-04	90-150	0.5385E-04
30-45.00	0.2667E-03	-7.5 TO 52.5	0.1114E-04	82.5-142.5	0.1073E-04	30	0- 60	0.4908E-04	90-150	0.4759E-04
45-60.00	0.3475E-03	-7.5 TO 52.5	0.8475E-05	82.5-142.5	0.8043E-05	45	0- 60	0.3986E-04	90-150	0.3805E-04
60-75.00	0.4047E-03	-7.5 TO 52.5	0.5233E-05	82.5-142.5	0.4854E-05	60	0- 60	0.2781E-04	90-150	0.2606E-04
75-89.89	0.4309E-03	-7.5 TO 52.5	0.1701E-05	82.5-142.5	0.1453E-05	75	0- 60	0.1396E-04	90-150	0.1258E-04
0-15.00	0.7147E-04	-7.5 TO 67.5	0.1388E-04	82.5-157.5	0.1375E-04	0	0- 75	0.7028E-04	90-165	0.7028E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.1297E-04	82.5-157.5	0.1268E-04	15	0- 75	0.6829E-04	90-165	0.6724E-04
30-45.00	0.3333E-03	-7.5 TO 67.5	0.1111E-04	82.5-157.5	0.1070E-04	30	0- 75	0.6122E-04	90-165	0.5937E-04
45-60.00	0.4344E-03	-7.5 TO 67.5	0.8448E-05	82.5-157.5	0.8009E-05	45	0- 75	0.4966E-04	90-165	0.4741E-04
60-75.00	0.5059E-03	-7.5 TO 67.5	0.5209E-05	82.5-157.5	0.4825E-05	60	0- 75	0.3461E-04	90-165	0.3243E-04
75-89.89	0.5387E-03	-7.5 TO 67.5	0.1685E-05	82.5-157.5	0.1434E-05	75	0- 75	0.1733E-04	90-165	0.1562E-04
0-15.00	0.8576E-04	-7.5 TO 82.5	0.1387E-04	82.5-172.5	0.1374E-04	0	0- 90	0.8434E-04	90-180	0.8434E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.1295E-04	82.5-172.5	0.1266E-04	15	0- 90	0.8185E-04	90-180	0.8062E-04
30-45.00	0.4000E-03	-7.5 TO 82.5	0.1108E-04	82.5-172.5	0.1068E-04	30	0- 90	0.7329E-04	90-180	0.7112E-04
45-60.00	0.5213E-03	-7.5 TO 82.5	0.8416E-05	82.5-172.5	0.7981E-05	45	0- 90	0.5938E-04	90-180	0.5675E-04
60-75.00	0.6070E-03	-7.5 TO 82.5	0.5181E-05	82.5-172.5	0.4800E-05	60	0- 90	0.4133E-04	90-180	0.3878E-04
75-89.89	0.6464E-03	-7.5 TO 82.5	0.1667E-05	82.5-172.5	0.1419E-05	75	0- 90	0.2064E-04	90-180	0.1864E-04
0-15.00	0.1001E-03	-7.5 TO 97.5	0.1386E-04	82.5-187.5	0.1373E-04	0	0-105	0.9840E-04	90-195	0.9840E-04
15-30.00	0.2933E-03	-7.5 TO 97.5	0.1293E-04	82.5-187.5	0.1264E-04	15	0-105	0.9536E-04	90-195	0.9400E-04
30-45.00	0.4667E-03	-7.5 TO 97.5	0.1105E-04	82.5-187.5	0.1066E-04	30	0-105	0.8528E-04	90-195	0.8288E-04
45-60.00	0.6081E-03	-7.5 TO 97.5	0.8381E-05	82.5-187.5	0.7960E-05	45	0-105	0.6901E-04	90-195	0.6609E-04
60-75.00	0.7082E-03	-7.5 TO 97.5	0.5150E-05	82.5-187.5	0.4782E-05	60	0-105	0.4795E-04	90-195	0.4513E-04
75-89.89	0.7541E-03	-7.5 TO 97.5	0.1646E-05	82.5-187.5	0.1407E-05	75	0-105	0.2387E-04	90-195	0.2165E-04

r_2/r_1 = 0.90 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0019 $\cosh \mu_2$ = 27.7757 $\alpha_{2,max}$ = 90.11 $\theta_{2,min}$ = 87.82

0-15.00	0.1429E-04	-7.5 TO 7.5	0.1391E-04	82.5- 97.5	0.1380E-04	0	0- 15	0.1406E-04	90-105	0.1406E-04
15-30.00	0.4191E-04	-7.5 TO 7.5	0.1302E-04	82.5- 97.5	0.1278E-04	15	0- 15	0.1370E-04	90-105	0.1352E-04
30-45.00	0.6666E-04	-7.5 TO 7.5	0.1117E-04	82.5- 97.5	0.1085E-04	30	0- 15	0.1232E-04	90-105	0.1200E-04
45-60.00	0.8688E-04	-7.5 TO 7.5	0.8516E-05	82.5- 97.5	0.8167E-05	45	0- 15	0.1002E-04	90-105	0.9630E-05
60-75.00	0.1012E-03	-7.5 TO 7.5	0.5269E-05	82.5- 97.5	0.4962E-05	60	0- 15	0.7009E-05	90-105	0.6628E-05
75-89.89	0.1077E-03	-7.5 TO 7.5	0.1725E-05	82.5- 97.5	0.1523E-05	75	0- 15	0.3535E-05	90-105	0.3235E-05
0-15.00	0.2859E-04	-7.5 TO 22.5	0.1390E-04	82.5-112.5	0.1378E-04	0	0- 30	0.2811E-04	90-120	0.2811E-04
15-30.00	0.8381E-04	-7.5 TO 22.5	0.1301E-04	82.5-112.5	0.1275E-04	15	0- 30	0.2738E-04	90-120	0.2700E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.1117E-04	82.5-112.5	0.1081E-04	30	0- 30	0.2461E-04	90-120	0.2392E-04
45-60.00	0.1738E-03	-7.5 TO 22.5	0.8510E-05	82.5-112.5	0.8123E-05	45	0- 30	0.2002E-04	90-120	0.1917E-04
60-75.00	0.2023E-03	-7.5 TO 22.5	0.5264E-05	82.5-112.5	0.4923E-05	60	0- 30	0.1399E-04	90-120	0.1317E-04
75-89.89	0.2155E-03	-7.5 TO 22.5	0.1721E-05	82.5-112.5	0.1498E-05	75	0- 30	0.7052E-05	90-120	0.6405E-05
0-15.00	0.4288E-04	-7.5 TO 37.5	0.1390E-04	82.5-127.5	0.1377E-04	0	0- 45	0.4217E-04	90-135	0.4217E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.1300E-04	82.5-127.5	0.1273E-04	15	0- 45	0.4105E-04	90-135	0.4044E-04
30-45.00	0.2000E-03	-7.5 TO 37.5	0.1116E-04	82.5-127.5	0.1077E-04	30	0- 45	0.3687E-04	90-135	0.3578E-04
45-60.00	0.2606E-03	-7.5 TO 37.5	0.8496E-05	82.5-127.5	0.8081E-05	45	0- 45	0.2997E-04	90-135	0.2864E-04
60-75.00	0.3035E-03	-7.5 TO 37.5	0.5252E-05	82.5-127.5	0.4887E-05	60	0- 45	0.2093E-04	90-135	0.1965E-04
75-89.89	0.3232E-03	-7.5 TO 37.5	0.1713E-05	82.5-127.5	0.1475E-05	75	0- 45	0.1053E-04	90-135	0.9518E-05
0-15.00	0.5717E-04	-7.5 TO 52.5	0.1389E-04	82.5-142.5	0.1376E-04	0	0- 60	0.5623E-04	90-150	0.5623E-04
15-30.00	0.1676E-03	-7.5 TO 52.5	0.1299E-04	82.5-142.5	0.1270E-04	15	0- 60	0.5469E-04	90-150	0.5385E-04
30-45.00	0.2667E-03	-7.5 TO 52.5	0.1114E-04	82.5-142.5	0.1073E-04	30	0- 60	0.4908E-04	90-150	0.4759E-04
45-60.00	0.3475E-03	-7.5 TO 52.5	0.8475E-05	82.5-142.5	0.8043E-05	45	0- 60	0.3986E-04	90-150	0.3805E-04
60-75.00	0.4047E-03	-7.5 TO 52.5	0.5233E-05	82.5-142.5	0.4854E-05	60	0- 60	0.2781E-04	90-150	0.2606E-04
75-89.89	0.4309E-03	-7.5 TO 52.5	0.1701E-05	82.5-142.5	0.1453E-05	75	0- 60	0.1396E-04	90-150	0.1258E-04
0-15.00	0.7147E-04	-7.5 TO 67.5	0.1388E-04	82.5-157.5	0.1375E-04	0	0- 75	0.7028E-04	90-165	0.7028E-04
15-30.00	0.2095E-03	-7.5 TO 67.5	0.1297E-04	82.5-157.5	0.1268E-04	15	0- 75	0.6829E-04	90-165	0.6724E-04
30-45.00	0.3333E-03	-7.5 TO 67.5	0.1111E-04	82.5-157.5	0.1070E-04	30	0- 75	0.6122E-04	90-165	0.5937E-04
45-60.00	0.4344E-03	-7.5 TO 67.5	0.8448E-05	82.5-157.5	0.8009E-05	45	0- 75	0.4966E-04	90-165	0.4741E-04
60-75.00	0.5059E-03	-7.5 TO 67.5	0.5209E-05	82.5-157.5	0.4825E-05	60	0- 75	0.3461E-04	90-165	0.3243E-04
75-89.89	0.5387E-03	-7.5 TO 67.5	0.1685E-05	82.5-157.5	0.1434E-05	75	0- 75	0.1733E-04	90-165	0.1562E-04
0-15.00	0.8576E-04	-7.5 TO 82.5	0.1387E-04	82.5-172.5	0.1374E-04	0	0- 90	0.8434E-04	90-180	0.8434E-04
15-30.00	0.2514E-03	-7.5 TO 82.5	0.1295E-04	82.5-172.5	0.1266E-04	15	0- 90	0.8185E-04	90-180	0.8062E-04
30-45.00	0.4000E-03	-7.5 TO 82.5	0.1108E-04	82.5-172.5	0.1068E-04	30	0- 90	0.7329E-04	90-180	0.7112E-04
45-60.00	0.5213E-03	-7.5 TO 82.5	0.8416E-05	82.5-172.5	0.7981E-05	45	0- 90	0.5938E-04	90-180	0.5675E-04
60-75.00	0.6070E-03	-7.5 TO 82.5	0.5181E-05	82.5-172.5	0.4800E-05	60	0- 90	0.4133E-04	90-180	0.3878E-04
75-89.89	0.6464E-03	-7.5 TO 82.5	0.1667E-05	82.5-172.5	0.1419E-05	75	0- 90	0.2064E-04	90-180	0.1864E-04
0-15.00	0.1001E-03	-7.5 TO 97.5	0.1386E-04	82.5-187.5	0.1373E-04	0	0-105	0.9840E-04	90-195	0.9840E-04
15-30.00	0.2933E-03	-7.5 TO 97.5	0.1293E-04	82.5-187.5	0.1264E-04	15	0-105	0.9536E-04	90-195	0.9400E-04
30-45.00	0.4667E-03	-7.5 TO 97.5	0.1105E-04	82.5-187.5	0.1066E-04	30	0-105	0.8528E-04	90-195	0.8288E-04
45-60.00	0.6081E-03	-7.5 TO 97.5	0.8381E-05	82.5-187.5	0.7960E-05	45	0-105	0.6901E-04	90-195	0.6609E-04
60-75.00	0.7082E-03	-7.5 TO 97.5	0.5150E-05	82.5-187.5	0.4782E-05	60	0-105	0.4795E-04	90-195	0.4513E-04
75-89.89	0.7541E-03	-7.5 TO 97.5	0.1646E-05	82.5-187.5	0.1407E-05	75	0-105	0.2387E-04	90-195	0.2165E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 100.000 cosh μ_1 = 50.0009 cosh μ_2 = 55.5545 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 164.73

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3570E-05	-7.5 TO 7.5	0.2307E-06	82.5- 97.5	0.2306E-06	0	0- 15	0.2348E-06	90-105	0.2348E-06
15-30.00	0.1047E-04	-7.5 TO 7.5	0.2146E-06	82.5- 97.5	0.2143E-06	15	0- 15	0.2267E-06	90-105	0.2264E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1834E-06	82.5- 97.5	0.1830E-06	30	0- 15	0.2025E-06	90-105	0.2021E-06
45-60.00	0.2170E-04	-7.5 TO 7.5	0.1396E-06	82.5- 97.5	0.1391E-06	45	0- 15	0.1643E-06	90-105	0.1638E-06
60-75.00	0.2527E-04	-7.5 TO 7.5	0.8645E-07	82.5- 97.5	0.8597E-07	60	0- 15	0.1149E-06	90-105	0.1144E-06
75-89.94	0.2701E-04	-7.5 TO 7.5	0.2826E-07	82.5- 97.5	0.2789E-07	75	0- 15	0.5811E-07	90-105	0.5760E-07
0-15.00	0.7139E-05	-7.5 TO 22.5	0.2307E-06	82.5-112.5	0.2306E-06	0	0- 30	0.4696E-06	90-120	0.4696E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.2146E-06	82.5-112.5	0.2143E-06	15	0- 30	0.4533E-06	90-120	0.4528E-06
30-45.00	0.3330E-04	-7.5 TO 22.5	0.1834E-06	82.5-112.5	0.1829E-06	30	0- 30	0.4050E-06	90-120	0.4041E-06
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1396E-06	82.5-112.5	0.1390E-06	45	0- 30	0.3286E-06	90-120	0.3274E-06
60-75.00	0.5053E-04	-7.5 TO 22.5	0.8644E-07	82.5-112.5	0.8591E-07	60	0- 30	0.2298E-06	90-120	0.2286E-06
75-89.94	0.5402E-04	-7.5 TO 22.5	0.2825E-07	82.5-112.5	0.2784E-07	75	0- 30	0.1162E-06	90-120	0.1151E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.2307E-06	82.5-127.5	0.2306E-06	0	0- 45	0.7043E-06	90-135	0.7043E-06
15-30.00	0.3140E-04	-7.5 TO 37.5	0.2146E-06	82.5-127.5	0.2142E-06	15	0- 45	0.6799E-06	90-135	0.6791E-06
30-45.00	0.4994E-04	-7.5 TO 37.5	0.1834E-06	82.5-127.5	0.1829E-06	30	0- 45	0.6075E-06	90-135	0.6061E-06
45-60.00	0.6509E-04	-7.5 TO 37.5	0.1395E-06	82.5-127.5	0.1389E-06	45	0- 45	0.4928E-06	90-135	0.4909E-06
60-75.00	0.7580E-04	-7.5 TO 37.5	0.8642E-07	82.5-127.5	0.8585E-07	60	0- 45	0.3446E-06	90-135	0.3427E-06
75-89.94	0.8103E-04	-7.5 TO 37.5	0.2824E-07	82.5-127.5	0.2779E-07	75	0- 45	0.1742E-06	90-135	0.1725E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.2307E-06	82.5-142.5	0.2306E-06	0	0- 60	0.9391E-06	90-150	0.9391E-06
15-30.00	0.4186E-04	-7.5 TO 52.5	0.2146E-06	82.5-142.5	0.2142E-06	15	0- 60	0.9065E-06	90-150	0.9054E-06
30-45.00	0.6659E-04	-7.5 TO 52.5	0.1833E-06	82.5-142.5	0.1828E-06	30	0- 60	0.8099E-06	90-150	0.8079E-06
45-60.00	0.8678E-04	-7.5 TO 52.5	0.1395E-06	82.5-142.5	0.1389E-06	45	0- 60	0.6569E-06	90-150	0.6544E-06
60-75.00	0.1011E-03	-7.5 TO 52.5	0.8639E-07	82.5-142.5	0.8579E-07	60	0- 60	0.4593E-06	90-150	0.4567E-06
75-89.94	0.1080E-03	-7.5 TO 52.5	0.2822E-07	82.5-142.5	0.2775E-07	75	0- 60	0.2322E-06	90-150	0.2298E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.2307E-06	82.5-157.5	0.2305E-06	0	0- 75	0.1174E-05	90-165	0.1174E-05
15-30.00	0.5233E-04	-7.5 TO 67.5	0.2145E-06	82.5-157.5	0.2142E-06	15	0- 75	0.1133E-05	90-165	0.1132E-05
30-45.00	0.8324E-04	-7.5 TO 67.5	0.1833E-06	82.5-157.5	0.1828E-06	30	0- 75	0.1012E-05	90-165	0.1010E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1395E-06	82.5-157.5	0.1388E-06	45	0- 75	0.8209E-06	90-165	0.8178E-06
60-75.00	0.1263E-03	-7.5 TO 67.5	0.8636E-07	82.5-157.5	0.8575E-07	60	0- 75	0.5739E-06	90-165	0.5707E-06
75-89.94	0.1350E-03	-7.5 TO 67.5	0.2819E-07	82.5-157.5	0.2771E-07	75	0- 75	0.2900E-06	90-165	0.2870E-06
0-15.00	0.2142E-04	-7.5 TO 82.5	0.2307E-06	82.5-172.5	0.2305E-06	0	0- 90	0.1409E-05	90-180	0.1409E-05
15-30.00	0.6279E-04	-7.5 TO 82.5	0.2145E-06	82.5-172.5	0.2141E-06	15	0- 90	0.1360E-05	90-180	0.1358E-05
30-45.00	0.9989E-04	-7.5 TO 82.5	0.1833E-06	82.5-172.5	0.1827E-06	30	0- 90	0.1214E-05	90-180	0.1212E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1394E-06	82.5-172.5	0.1388E-06	45	0- 90	0.9848E-06	90-180	0.9811E-06
60-75.00	0.1516E-03	-7.5 TO 82.5	0.8631E-07	82.5-172.5	0.8571E-07	60	0- 90	0.6884E-06	90-180	0.6846E-06
75-89.94	0.1621E-03	-7.5 TO 82.5	0.2815E-07	82.5-172.5	0.2768E-07	75	0- 90	0.3477E-06	90-180	0.3442E-06
0-15.00	0.2499E-04	-7.5 TO 97.5	0.2307E-06	82.5-187.5	0.2305E-06	0	0-105	0.1643E-05	90-195	0.1643E-05
15-30.00	0.7326E-04	-7.5 TO 97.5	0.2145E-06	82.5-187.5	0.2141E-06	15	0-105	0.1586E-05	90-195	0.1584E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1832E-06	82.5-187.5	0.1827E-06	30	0-105	0.1417E-05	90-195	0.1413E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.1394E-06	82.5-187.5	0.1388E-06	45	0-105	0.1149E-05	90-195	0.1144E-05
60-75.00	0.1769E-03	-7.5 TO 97.5	0.8626E-07	82.5-187.5	0.8568E-07	60	0-105	0.8028E-06	90-195	0.7985E-06
75-89.94	0.1891E-03	-7.5 TO 97.5	0.2812E-07	82.5-187.5	0.2765E-07	75	0-105	0.4053E-06	90-195	0.4015E-06

r_2/r_1 = 0.90 d/r_1 = 100.000 cosh μ_1 = 50.0009 cosh μ_2 = 55.5545 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 149.48

0-15.00	0.3570E-05	-7.5 TO 7.5	0.8601E-06	82.5- 97.5	0.8591E-06	0	0- 15	0.8746E-06	90-105	0.8746E-06
15-30.00	0.1047E-04	-7.5 TO 7.5	0.8005E-06	82.5- 97.5	0.7983E-06	15	0- 15	0.8451E-06	90-105	0.8434E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.6848E-06	82.5- 97.5	0.6816E-06	30	0- 15	0.7558E-06	90-105	0.7527E-06
45-60.00	0.2170E-04	-7.5 TO 7.5	0.5217E-06	82.5- 97.5	0.5181E-06	45	0- 15	0.6138E-06	90-105	0.6098E-06
60-75.00	0.2527E-04	-7.5 TO 7.5	0.3238E-06	82.5- 97.5	0.3203E-06	60	0- 15	0.4299E-06	90-105	0.4257E-06
75-89.94	0.2701E-04	-7.5 TO 7.5	0.1066E-06	82.5- 97.5	0.1039E-06	75	0- 15	0.2181E-06	90-105	0.2144E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.8601E-06	82.5-112.5	0.8589E-06	0	0- 30	0.1749E-05	90-120	0.1749E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.8005E-06	82.5-112.5	0.7980E-06	15	0- 30	0.1690E-05	90-120	0.1686E-05
30-45.00	0.3330E-04	-7.5 TO 22.5	0.6847E-06	82.5-112.5	0.6812E-06	30	0- 30	0.1511E-05	90-120	0.1505E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.5216E-06	82.5-112.5	0.5176E-06	45	0- 30	0.1227E-05	90-120	0.1219E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.3237E-06	82.5-112.5	0.3198E-06	60	0- 30	0.8595E-06	90-120	0.8506E-06
75-89.94	0.5402E-04	-7.5 TO 22.5	0.1066E-06	82.5-112.5	0.1035E-06	75	0- 30	0.4360E-06	90-120	0.4279E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.8600E-06	82.5-127.5	0.8588E-06	0	0- 45	0.2624E-05	90-135	0.2624E-05
15-30.00	0.3140E-04	-7.5 TO 37.5	0.8004E-06	82.5-127.5	0.7977E-06	15	0- 45	0.2535E-05	90-135	0.2529E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.6846E-06	82.5-127.5	0.6808E-06	30	0- 45	0.2267E-05	90-135	0.2256E-05
45-60.00	0.6509E-04	-7.5 TO 37.5	0.5215E-06	82.5-127.5	0.5171E-06	45	0- 45	0.1840E-05	90-135	0.1827E-05
60-75.00	0.7580E-04	-7.5 TO 37.5	0.3236E-06	82.5-127.5	0.3194E-06	60	0- 45	0.1289E-05	90-135	0.1275E-05
75-89.94	0.8103E-04	-7.5 TO 37.5	0.1065E-06	82.5-127.5	0.1032E-06	75	0- 45	0.6534E-06	90-135	0.6407E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.8600E-06	82.5-142.5	0.8587E-06	0	0- 60	0.3498E-05	90-150	0.3498E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.8003E-06	82.5-142.5	0.7975E-06	15	0- 60	0.3379E-05	90-150	0.3371E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.6844E-06	82.5-142.5	0.6804E-06	30	0- 60	0.3022E-05	90-150	0.3007E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.5213E-06	82.5-142.5	0.5167E-06	45	0- 60	0.2453E-05	90-150	0.2434E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.3234E-06	82.5-142.5	0.3190E-06	60	0- 60	0.1717E-05	90-150	0.1698E-05
75-89.94	0.1080E-03	-7.5 TO 52.5	0.1063E-06	82.5-142.5	0.1029E-06	75	0- 60	0.8702E-06	90-150	0.8529E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.8599E-06	82.5-157.5	0.8586E-06	0	0- 75	0.4373E-05	90-165	0.4373E-05
15-30.00	0.5233E-04	-7.5 TO 67.5	0.8001E-06	82.5-157.5	0.7973E-06	15	0- 75	0.4224E-05	90-165	0.4214E-05
30-45.00	0.8324E-04	-7.5 TO 67.5	0.6841E-06	82.5-157.5	0.6801E-06	30	0- 75	0.3776E-05	90-165	0.3758E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.5210E-06	82.5-157.5	0.5164E-06	45	0- 75	0.3064E-05	90-165	0.3041E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.3231E-06	82.5-157.5	0.3186E-06	60	0- 75	0.2145E-05	90-165	0.2121E-05
75-89.94	0.1350E-03	-7.5 TO 67.5	0.1061E-06	82.5-157.5	0.1026E-06	75	0- 75	0.1086E-05	90-165	0.1065E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.8598E-06	82.5-172.5	0.8585E-06	0	0- 90	0.5247E-05	90-180	0.5247E-05
15-30.00	0.6279E-04	-7.5 TO 82.5	0.7999E-06	82.5-172.5	0.7971E-06	15	0- 90	0.5067E-05	90-180	0.5056E-05
30-45.00	0.9989E-04	-7.5 TO 82.5	0.6839E-06	82.5-172.5	0.6798E-06	30	0- 90	0.4529E-05	90-180	0.4508E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.5207E-06	82.5-172.5	0.5161E-06	45	0- 90	0.3675E-05	90-180	0.3648E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.3228E-06	82.5-172.5	0.3183E-06	60	0- 90	0.2571E-05	90-180	0.2543E-05
75-89.94	0.1621E-03	-7.5 TO 82.5	0.1058E-06	82.5-172.5	0.1024E-06	75	0- 90	0.1302E-05	90-180	0.1276E-05
0-15.00	0.2499E-04	-7.5 TO 97.5	0.8597E-06	82.5-187.5	0.8584E-06	0	0-105	0.6122E-05	90-195	0.6122E-05
15-30.00	0.7326E-04	-7.5 TO 97.5	0.7997E-06	82.5-187.5	0.7969E-06	15	0-105	0.5911E-05	90-195	0.5898E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.6835E-06	82.5-187.5	0.6796E-06	30	0-105	0.5282E-05	90-195	0.5258E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.5203E-06	82.5-187.5	0.5158E-06	45	0-105	0.4285E-05	90-195	0.4255E-05
60-75.00	0.1769E-03	-7.5 TO 97.5	0.3224E-06	82.5-187.5	0.3181E-06	60	0-105	0.2997E-05	90-195	0.2966E-05
75-89.94	0.1891E-03	-7.5 TO 97.5	0.1056E-06	82.5-187.5	0.1022E-06	75	0-105	0.1516E-05	90-195	0.1488E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0009 $\cosh \mu_2$ = 55.5545 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 134.27

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3570E-05	-7.5 TO 7.5	0.1716E-05	82.5- 97.5	0.1713E-05	0	0- 15	0.1744E-05	90-105	0.1744E-05
15-30.00	0.1047E-04	-7.5 TO 7.5	0.1599E-05	82.5- 97.5	0.1592E-05	15	0- 15	0.1687E-05	90-105	0.1682E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1369E-05	82.5- 97.5	0.1359E-05	30	0- 15	0.1510E-05	90-105	0.1501E-05
45-60.00	0.2170E-04	-7.5 TO 7.5	0.1044E-05	82.5- 97.5	0.1033E-05	45	0- 15	0.1227E-05	90-105	0.1216E-05
60-75.00	0.2527E-04	-7.5 TO 7.5	0.6489E-06	82.5- 97.5	0.6387E-06	60	0- 15	0.8607E-06	90-105	0.8486E-06
75-89.94	0.2701E-04	-7.5 TO 7.5	0.2150E-06	82.5- 97.5	0.2072E-06	75	0- 15	0.4375E-06	90-105	0.4271E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.1716E-05	82.5-112.5	0.1713E-05	0	0- 30	0.3488E-05	90-120	0.3488E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1598E-05	82.5-112.5	0.1591E-05	15	0- 30	0.3373E-05	90-120	0.3362E-05
30-45.00	0.3330E-04	-7.5 TO 22.5	0.1368E-05	82.5-112.5	0.1358E-05	30	0- 30	0.3019E-05	90-120	0.2999E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1044E-05	82.5-112.5	0.1032E-05	45	0- 30	0.2454E-05	90-120	0.2429E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.6488E-06	82.5-112.5	0.6373E-06	60	0- 30	0.1721E-05	90-120	0.1694E-05
75-89.94	0.5402E-04	-7.5 TO 22.5	0.2149E-06	82.5-112.5	0.2062E-06	75	0- 30	0.8751E-06	90-120	0.8519E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1716E-05	82.5-127.5	0.1712E-05	0	0- 45	0.5232E-05	90-135	0.5232E-05
15-30.00	0.3140E-04	-7.5 TO 37.5	0.1598E-05	82.5-127.5	0.1590E-05	15	0- 45	0.5059E-05	90-135	0.5042E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.1368E-05	82.5-127.5	0.1357E-05	30	0- 45	0.4528E-05	90-135	0.4496E-05
45-60.00	0.6509E-04	-7.5 TO 37.5	0.1043E-05	82.5-127.5	0.1030E-05	45	0- 45	0.3679E-05	90-135	0.3639E-05
60-75.00	0.7580E-04	-7.5 TO 37.5	0.6484E-06	82.5-127.5	0.6361E-06	60	0- 45	0.2579E-05	90-135	0.2538E-05
75-89.94	0.8103E-04	-7.5 TO 37.5	0.2146E-06	82.5-127.5	0.2052E-06	75	0- 45	0.1311E-05	90-135	0.1274E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1716E-05	82.5-142.5	0.1712E-05	0	0- 60	0.6976E-05	90-150	0.6976E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.1598E-05	82.5-142.5	0.1589E-05	15	0- 60	0.6744E-05	90-150	0.6720E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.1368E-05	82.5-142.5	0.1356E-05	30	0- 60	0.6034E-05	90-150	0.5991E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.1043E-05	82.5-142.5	0.1029E-05	45	0- 60	0.4902E-05	90-150	0.4848E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.6478E-06	82.5-142.5	0.6349E-06	60	0- 60	0.3436E-05	90-150	0.3379E-05
75-89.94	0.1080E-03	-7.5 TO 52.5	0.2141E-06	82.5-142.5	0.2043E-06	75	0- 60	0.1745E-05	90-150	0.1695E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1716E-05	82.5-157.5	0.1712E-05	0	0- 75	0.8720E-05	90-165	0.8720E-05
15-30.00	0.5233E-04	-7.5 TO 67.5	0.1597E-05	82.5-157.5	0.1589E-05	15	0- 75	0.8428E-05	90-165	0.8398E-05
30-45.00	0.8324E-04	-7.5 TO 67.5	0.1367E-05	82.5-157.5	0.1355E-05	30	0- 75	0.7539E-05	90-165	0.7486E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1042E-05	82.5-157.5	0.1028E-05	45	0- 75	0.6123E-05	90-165	0.6056E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.6470E-06	82.5-157.5	0.6339E-06	60	0- 75	0.4290E-05	90-165	0.4219E-05
75-89.94	0.1350E-03	-7.5 TO 67.5	0.2135E-06	82.5-157.5	0.2036E-06	75	0- 75	0.2177E-05	90-165	0.2115E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.1715E-05	82.5-172.5	0.1711E-05	0	0- 90	0.1046E-04	90-180	0.1046E-04
15-30.00	0.6279E-04	-7.5 TO 82.5	0.1597E-05	82.5-172.5	0.1588E-05	15	0- 90	0.1011E-04	90-180	0.1008E-04
30-45.00	0.9989E-04	-7.5 TO 82.5	0.1366E-05	82.5-172.5	0.1354E-05	30	0- 90	0.9042E-05	90-180	0.8979E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1041E-05	82.5-172.5	0.1027E-05	45	0- 90	0.7342E-05	90-180	0.7262E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.6460E-06	82.5-172.5	0.6331E-06	60	0- 90	0.5141E-05	90-180	0.5059E-05
75-89.94	0.1621E-03	-7.5 TO 82.5	0.2128E-06	82.5-172.5	0.2029E-06	75	0- 90	0.2607E-05	90-180	0.2534E-05
0-15.00	0.2499E-04	-7.5 TO 97.5	0.1715E-05	82.5-187.5	0.1711E-05	0	0-105	0.1221E-04	90-195	0.1221E-04
15-30.00	0.7326E-04	-7.5 TO 97.5	0.1596E-05	82.5-187.5	0.1588E-05	15	0-105	0.1179E-04	90-195	0.1175E-04
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1365E-05	82.5-187.5	0.1353E-05	30	0-105	0.1054E-04	90-195	0.1047E-04
45-60.00	0.1519E-03	-7.5 TO 97.5	0.1040E-05	82.5-187.5	0.1027E-05	45	0-105	0.8557E-05	90-195	0.8469E-05
60-75.00	0.1769E-03	-7.5 TO 97.5	0.6450E-06	82.5-187.5	0.6324E-06	60	0-105	0.5990E-05	90-195	0.5898E-05
75-89.94	0.1891E-03	-7.5 TO 97.5	0.2120E-06	82.5-187.5	0.2024E-06	75	0-105	0.3034E-05	90-195	0.2953E-05

r_2/r_1 = 0.90 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0009 $\cosh \mu_2$ = 55.5545 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 119.10

0-15.00	0.3570E-05	-7.5 TO 7.5	0.2566E-05	82.5- 97.5	0.2560E-05	0	0- 15	0.2606E-05	90-105	0.2606E-05
15-30.00	0.1047E-04	-7.5 TO 7.5	0.2392E-05	82.5- 97.5	0.2379E-05	15	0- 15	0.2523E-05	90-105	0.2513E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.2050E-05	82.5- 97.5	0.2031E-05	30	0- 15	0.2260E-05	90-105	0.2242E-05
45-60.00	0.2170E-04	-7.5 TO 7.5	0.1565E-05	82.5- 97.5	0.1544E-05	45	0- 15	0.1839E-05	90-105	0.1816E-05
60-75.00	0.2527E-04	-7.5 TO 7.5	0.9743E-06	82.5- 97.5	0.9544E-06	60	0- 15	0.1291E-05	90-105	0.1267E-05
75-89.94	0.2701E-04	-7.5 TO 7.5	0.3243E-06	82.5- 97.5	0.3096E-06	75	0- 15	0.6583E-06	90-105	0.6378E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.2566E-05	82.5-112.5	0.2559E-05	0	0- 30	0.5212E-05	90-120	0.5212E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.2392E-05	82.5-112.5	0.2377E-05	15	0- 30	0.5045E-05	90-120	0.5023E-05
30-45.00	0.3330E-04	-7.5 TO 22.5	0.2050E-05	82.5-112.5	0.2029E-05	30	0- 30	0.4520E-05	90-120	0.4480E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1565E-05	82.5-112.5	0.1541E-05	45	0- 30	0.3677E-05	90-120	0.3627E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.9739E-06	82.5-112.5	0.9518E-06	60	0- 30	0.2581E-05	90-120	0.2530E-05
75-89.94	0.5402E-04	-7.5 TO 22.5	0.3241E-06	82.5-112.5	0.3077E-06	75	0- 30	0.1315E-05	90-120	0.1271E-05
0-15.00	0.1071E-04	-7.5 TO 37.5	0.2566E-05	82.5-127.5	0.2558E-05	0	0- 45	0.7818E-05	90-135	0.7818E-05
15-30.00	0.3140E-04	-7.5 TO 37.5	0.2391E-05	82.5-127.5	0.2375E-05	15	0- 45	0.7566E-05	90-135	0.7531E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.2049E-05	82.5-127.5	0.2026E-05	30	0- 45	0.6777E-05	90-135	0.6714E-05
45-60.00	0.6509E-04	-7.5 TO 37.5	0.1564E-05	82.5-127.5	0.1538E-05	45	0- 45	0.5512E-05	90-135	0.5433E-05
60-75.00	0.7580E-04	-7.5 TO 37.5	0.9732E-06	82.5-127.5	0.9494E-06	60	0- 45	0.3868E-05	90-135	0.3787E-05
75-89.94	0.8103E-04	-7.5 TO 37.5	0.3235E-06	82.5-127.5	0.3059E-06	75	0- 45	0.1970E-05	90-135	0.1900E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.2565E-05	82.5-142.5	0.2558E-05	0	0- 60	0.1042E-04	90-150	0.1042E-04
15-30.00	0.4186E-04	-7.5 TO 52.5	0.2391E-05	82.5-142.5	0.2374E-05	15	0- 60	0.1009E-04	90-150	0.1004E-04
30-45.00	0.6659E-04	-7.5 TO 52.5	0.2048E-05	82.5-142.5	0.2024E-05	30	0- 60	0.9031E-05	90-150	0.8945E-05
45-60.00	0.8678E-04	-7.5 TO 52.5	0.1562E-05	82.5-142.5	0.1536E-05	45	0- 60	0.7343E-05	90-150	0.7235E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.9720E-06	82.5-142.5	0.9472E-06	60	0- 60	0.5151E-05	90-150	0.5040E-05
75-89.94	0.1080E-03	-7.5 TO 52.5	0.3226E-06	82.5-142.5	0.3043E-06	75	0- 60	0.2621E-05	90-150	0.2526E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.2565E-05	82.5-157.5	0.2557E-05	0	0- 75	0.1303E-04	90-165	0.1303E-04
15-30.00	0.5233E-04	-7.5 TO 67.5	0.2390E-05	82.5-157.5	0.2373E-05	15	0- 75	0.1260E-04	90-165	0.1254E-04
30-45.00	0.8324E-04	-7.5 TO 67.5	0.2046E-05	82.5-157.5	0.2022E-05	30	0- 75	0.1128E-04	90-165	0.1117E-04
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1561E-05	82.5-157.5	0.1534E-05	45	0- 75	0.9169E-05	90-165	0.9035E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.9704E-06	82.5-157.5	0.9452E-06	60	0- 75	0.6429E-05	90-165	0.6291E-05
75-89.94	0.1350E-03	-7.5 TO 67.5	0.3215E-06	82.5-157.5	0.3028E-06	75	0- 75	0.3269E-05	90-165	0.3150E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.2564E-05	82.5-172.5	0.2557E-05	0	0- 90	0.1564E-04	90-180	0.1564E-04
15-30.00	0.6279E-04	-7.5 TO 82.5	0.2388E-05	82.5-172.5	0.2372E-05	15	0- 90	0.1512E-04	90-180	0.1505E-04
30-45.00	0.9989E-04	-7.5 TO 82.5	0.2045E-05	82.5-172.5	0.2021E-05	30	0- 90	0.1353E-04	90-180	0.1340E-04
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1559E-05	82.5-172.5	0.1532E-05	45	0- 90	0.1099E-04	90-180	0.1083E-04
60-75.00	0.1516E-03	-7.5 TO 82.5	0.9686E-06	82.5-172.5	0.9436E-06	60	0- 90	0.7702E-05	90-180	0.7541E-05
75-89.94	0.1621E-03	-7.5 TO 82.5	0.3201E-06	82.5-172.5	0.3016E-06	75	0- 90	0.3911E-05	90-180	0.3772E-05
0-15.00	0.2499E-04	-7.5 TO 97.5	0.2564E-05	82.5-187.5	0.2556E-05	0	0-105	0.1824E-04	90-195	0.1824E-04
15-30.00	0.7326E-04	-7.5 TO 97.5	0.2387E-05	82.5-187.5	0.2371E-05	15	0-105	0.1763E-04	90-195	0.1755E-04
30-45.00	0.1165E-03	-7.5 TO 97.5	0.2043E-05	82.5-187.5	0.2019E-05	30	0-105	0.1577E-04	90-195	0.1563E-04
45-60.00	0.1519E-03	-7.5 TO 97.5	0.1557E-05	82.5-187.5	0.1531E-05	45	0-105	0.1281E-04	90-195	0.1263E-04
60-75.00	0.1769E-03	-7.5 TO 97.5	0.9666E-06	82.5-187.5	0.9423E-06	60	0-105	0.8969E-05	90-195	0.8790E-05
75-89.94	0.1891E-03	-7.5 TO 97.5	0.3186E-06	82.5-187.5	0.3007E-06	75	0-105	0.4549E-05	90-195	0.4394E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Continued. Radius ratio, r_2/r_1, 0.90

r_2/r_1 = 0.90 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0009 $\cosh \mu_2$ = 55.5545 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 104.00

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3570E-05	-7.5 TO 7.5	0.3180E-05	82.5- 97.5	0.3171E-05	0	0- 15	0.3228E-05	90-105	0.3228E-05
15-30.00	0.1047E-04	-7.5 TO 7.5	0.2967E-05	82.5- 97.5	0.2946E-05	15	0- 15	0.3128E-05	90-105	0.3112E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.2545E-05	82.5- 97.5	0.2516E-05	30	0- 15	0.2805E-05	90-105	0.2776E-05
45-60.00	0.2170E-04	-7.5 TO 7.5	0.1945E-05	82.5- 97.5	0.1912E-05	45	0- 15	0.2284E-05	90-105	0.2248E-05
60-75.00	0.2527E-04	-7.5 TO 7.5	0.1212E-05	82.5- 97.5	0.1182E-05	60	0- 15	0.1605E-05	90-105	0.1569E-05
75-89.94	0.2701E-04	-7.5 TO 7.5	0.4047E-06	82.5- 97.5	0.3835E-06	75	0- 15	0.8197E-06	90-105	0.7894E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.3180E-05	82.5-112.5	0.3169E-05	0	0- 30	0.6456E-05	90-120	0.6456E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.2967E-05	82.5-112.5	0.2944E-05	15	0- 30	0.6254E-05	90-120	0.6219E-05
30-45.00	0.3330E-04	-7.5 TO 22.5	0.2545E-05	82.5-112.5	0.2512E-05	30	0- 30	0.5608E-05	90-120	0.5546E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1944E-05	82.5-112.5	0.1908E-05	45	0- 30	0.4566E-05	90-120	0.4488E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.1212E-05	82.5-112.5	0.1178E-05	60	0- 30	0.3208E-05	90-120	0.3130E-05
75-89.94	0.5402E-04	-7.5 TO 22.5	0.4043E-06	82.5-112.5	0.3808E-06	75	0- 30	0.1638E-05	90-120	0.1572E-05
0-15.00	0.1071E-04	-7.5 TO 37.5	0.3180E-05	82.5-127.5	0.3168E-05	0	0- 45	0.9683E-05	90-135	0.9683E-05
15-30.00	0.3140E-04	-7.5 TO 37.5	0.2966E-05	82.5-127.5	0.2941E-05	15	0- 45	0.9379E-05	90-135	0.9324E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.2543E-05	82.5-127.5	0.2508E-05	30	0- 45	0.8408E-05	90-135	0.8309E-05
45-60.00	0.6509E-04	-7.5 TO 37.5	0.1943E-05	82.5-127.5	0.1904E-05	45	0- 45	0.6864E-05	90-135	0.6721E-05
60-75.00	0.7580E-04	-7.5 TO 37.5	0.1210E-05	82.5-127.5	0.1175E-05	60	0- 45	0.4807E-05	90-135	0.4684E-05
75-89.94	0.8103E-04	-7.5 TO 37.5	0.4035E-06	82.5-127.5	0.3782E-06	75	0- 45	0.2452E-05	90-135	0.2349E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.3179E-05	82.5-142.5	0.3167E-05	0	0- 60	0.1291E-04	90-150	0.1291E-04
15-30.00	0.4186E-04	-7.5 TO 52.5	0.2965E-05	82.5-142.5	0.2939E-05	15	0- 60	0.1250E-04	90-150	0.1243E-04
30-45.00	0.6659E-04	-7.5 TO 52.5	0.2542E-05	82.5-142.5	0.2505E-05	30	0- 60	0.1120E-04	90-150	0.1107E-04
45-60.00	0.8678E-04	-7.5 TO 52.5	0.1941E-05	82.5-142.5	0.1900E-05	45	0- 60	0.9116E-05	90-150	0.8949E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.1209E-05	82.5-142.5	0.1171E-05	60	0- 60	0.6400E-05	90-150	0.6232E-05
75-89.94	0.1080E-03	-7.5 TO 52.5	0.4022E-06	82.5-142.5	0.3758E-06	75	0- 60	0.3261E-05	90-150	0.3121E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.3178E-05	82.5-157.5	0.3166E-05	0	0- 75	0.1614E-04	90-165	0.1614E-04
15-30.00	0.5233E-04	-7.5 TO 67.5	0.2963E-05	82.5-157.5	0.2937E-05	15	0- 75	0.1562E-04	90-165	0.1553E-04
30-45.00	0.8324E-04	-7.5 TO 67.5	0.2539E-05	82.5-157.5	0.2502E-05	30	0- 75	0.1399E-04	90-165	0.1382E-04
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1938E-05	82.5-157.5	0.1897E-05	45	0- 75	0.1138E-04	90-165	0.1117E-04
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1206E-05	82.5-157.5	0.1168E-05	60	0- 75	0.7985E-05	90-165	0.7775E-05
75-89.94	0.1350E-03	-7.5 TO 67.5	0.4006E-06	82.5-157.5	0.3738E-06	75	0- 75	0.4065E-05	90-165	0.3889E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.3177E-05	82.5-172.5	0.3165E-05	0	0- 90	0.1937E-04	90-180	0.1937E-04
15-30.00	0.6279E-04	-7.5 TO 82.5	0.2961E-05	82.5-172.5	0.2935E-05	15	0- 90	0.1874E-04	90-180	0.1863E-04
30-45.00	0.9989E-04	-7.5 TO 82.5	0.2537E-05	82.5-172.5	0.2499E-05	30	0- 90	0.1678E-04	90-180	0.1658E-04
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1935E-05	82.5-172.5	0.1894E-05	45	0- 90	0.1364E-04	90-180	0.1339E-04
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1204E-05	82.5-172.5	0.1166E-05	60	0- 90	0.9563E-05	90-180	0.9317E-05
75-89.94	0.1621E-03	-7.5 TO 82.5	0.3987E-06	82.5-172.5	0.3721E-06	75	0- 90	0.4861E-05	90-180	0.4656E-05
0-15.00	0.2499E-04	-7.5 TO 97.5	0.3176E-05	82.5-187.5	0.3165E-05	0	0-105	0.2259E-04	90-195	0.2259E-04
15-30.00	0.7326E-04	-7.5 TO 97.5	0.2959E-05	82.5-187.5	0.2933E-05	15	0-105	0.2185E-04	90-195	0.2172E-04
30-45.00	0.1165E-03	-7.5 TO 97.5	0.2534E-05	82.5-187.5	0.2497E-05	30	0-105	0.1955E-04	90-195	0.1933E-04
45-60.00	0.1519E-03	-7.5 TO 97.5	0.1932E-05	82.5-187.5	0.1892E-05	45	0-105	0.1589E-04	90-195	0.1561E-04
60-75.00	0.1769E-03	-7.5 TO 97.5	0.1200E-05	82.5-187.5	0.1164E-05	60	0-105	0.1113E-04	90-195	0.1086E-04
75-89.94	0.1891E-03	-7.5 TO 97.5	0.3965E-06	82.5-187.5	0.3707E-06	75	0-105	0.5650E-05	90-195	0.5422E-05

r_2/r_1 = 0.90 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0009 $\cosh \mu_2$ = 55.5545 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 88.97

0-15.00	0.3570E-05	-7.5 TO 7.5	0.3395E-05	82.5- 97.5	0.3382E-05	0	0- 15	0.3444E-05	90-105	0.3444E-05
15-30.00	0.1047E-04	-7.5 TO 7.5	0.3171E-05	82.5- 97.5	0.3143E-05	15	0- 15	0.3341E-05	90-105	0.3319E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.2723E-05	82.5- 97.5	0.2684E-05	30	0- 15	0.2999E-05	90-105	0.2961E-05
45-60.00	0.2170E-04	-7.5 TO 7.5	0.2082E-05	82.5- 97.5	0.2040E-05	45	0- 15	0.2445E-05	90-105	0.2398E-05
60-75.00	0.2527E-04	-7.5 TO 7.5	0.1299E-05	82.5- 97.5	0.1261E-05	60	0- 15	0.1719E-05	90-105	0.1673E-05
75-89.94	0.2701E-04	-7.5 TO 7.5	0.4342E-06	82.5- 97.5	0.4091E-06	75	0- 15	0.8788E-06	90-105	0.8417E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.3395E-05	82.5-112.5	0.3381E-05	0	0- 30	0.6887E-05	90-120	0.6887E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.3171E-05	82.5-112.5	0.3140E-05	15	0- 30	0.6680E-05	90-120	0.6633E-05
30-45.00	0.3330E-04	-7.5 TO 22.5	0.2722E-05	82.5-112.5	0.2679E-05	30	0- 30	0.5996E-05	90-120	0.5913E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.2082E-05	82.5-112.5	0.2035E-05	45	0- 30	0.4887E-05	90-120	0.4785E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.1298E-05	82.5-112.5	0.1256E-05	60	0- 30	0.3436E-05	90-120	0.3336E-05
75-89.94	0.5402E-04	-7.5 TO 22.5	0.4338E-06	82.5-112.5	0.4060E-06	75	0- 30	0.1755E-05	90-120	0.1675E-05
0-15.00	0.1071E-04	-7.5 TO 37.5	0.3395E-05	82.5-127.5	0.3379E-05	0	0- 45	0.1033E-04	90-135	0.1033E-04
15-30.00	0.3140E-04	-7.5 TO 37.5	0.3170E-05	82.5-127.5	0.3136E-05	15	0- 45	0.1002E-04	90-135	0.9943E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.2721E-05	82.5-127.5	0.2674E-05	30	0- 45	0.8989E-05	90-135	0.8858E-05
45-60.00	0.6509E-04	-7.5 TO 37.5	0.2080E-05	82.5-127.5	0.2029E-05	45	0- 45	0.7323E-05	90-135	0.7152E-05
60-75.00	0.7580E-04	-7.5 TO 37.5	0.1297E-05	82.5-127.5	0.1252E-05	60	0- 45	0.5147E-05	90-135	0.4989E-05
75-89.94	0.8103E-04	-7.5 TO 37.5	0.4328E-06	82.5-127.5	0.4030E-06	75	0- 45	0.2628E-05	90-135	0.2501E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.3394E-05	82.5-142.5	0.3378E-05	0	0- 60	0.1377E-04	90-150	0.1377E-04
15-30.00	0.4186E-04	-7.5 TO 52.5	0.3168E-05	82.5-142.5	0.3133E-05	15	0- 60	0.1335E-04	90-150	0.1325E-04
30-45.00	0.6659E-04	-7.5 TO 52.5	0.2718E-05	82.5-142.5	0.2670E-05	30	0- 60	0.1197E-04	90-150	0.1180E-04
45-60.00	0.8678E-04	-7.5 TO 52.5	0.2077E-05	82.5-142.5	0.2025E-05	45	0- 60	0.9752E-05	90-150	0.9532E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.1294E-05	82.5-142.5	0.1248E-05	60	0- 60	0.6851E-05	90-150	0.6636E-05
75-89.94	0.1080E-03	-7.5 TO 52.5	0.4313E-06	82.5-142.5	0.4002E-06	75	0- 60	0.3494E-05	90-150	0.3322E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.3393E-05	82.5-157.5	0.3376E-05	0	0- 75	0.1722E-04	90-165	0.1722E-04
15-30.00	0.5233E-04	-7.5 TO 67.5	0.3166E-05	82.5-157.5	0.3130E-05	15	0- 75	0.1668E-04	90-165	0.1655E-04
30-45.00	0.8324E-04	-7.5 TO 67.5	0.2715E-05	82.5-157.5	0.2666E-05	30	0- 75	0.1495E-04	90-165	0.1473E-04
45-60.00	0.1085E-03	-7.5 TO 67.5	0.2074E-05	82.5-157.5	0.2020E-05	45	0- 75	0.1217E-04	90-165	0.1190E-04
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1292E-05	82.5-157.5	0.1244E-05	60	0- 75	0.8545E-05	90-165	0.8276E-05
75-89.94	0.1350E-03	-7.5 TO 67.5	0.4294E-06	82.5-157.5	0.3978E-06	75	0- 75	0.4352E-05	90-165	0.4138E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.3392E-05	82.5-172.5	0.3375E-05	0	0- 90	0.2066E-04	90-180	0.2066E-04
15-30.00	0.6279E-04	-7.5 TO 82.5	0.3163E-05	82.5-172.5	0.3128E-05	15	0- 90	0.2000E-04	90-180	0.1986E-04
30-45.00	0.9989E-04	-7.5 TO 82.5	0.2712E-05	82.5-172.5	0.2662E-05	30	0- 90	0.1792E-04	90-180	0.1766E-04
45-60.00	0.1302E-03	-7.5 TO 82.5	0.2070E-05	82.5-172.5	0.2017E-05	45	0- 90	0.1458E-04	90-180	0.1426E-04
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1288E-05	82.5-172.5	0.1241E-05	60	0- 90	0.1023E-04	90-180	0.9915E-05
75-89.94	0.1621E-03	-7.5 TO 82.5	0.4271E-06	82.5-172.5	0.3958E-06	75	0- 90	0.5202E-05	90-180	0.4952E-05
0-15.00	0.2499E-04	-7.5 TO 97.5	0.3390E-05	82.5-187.5	0.3375E-05	0	0-105	0.2410E-04	90-195	0.2410E-04
15-30.00	0.7326E-04	-7.5 TO 97.5	0.3160E-05	82.5-187.5	0.3126E-05	15	0-105	0.2332E-04	90-195	0.2316E-04
30-45.00	0.1165E-03	-7.5 TO 97.5	0.2708E-05	82.5-187.5	0.2660E-05	30	0-105	0.2088E-04	90-195	0.2059E-04
45-60.00	0.1519E-03	-7.5 TO 97.5	0.2066E-05	82.5-187.5	0.2014E-05	45	0-105	0.1698E-04	90-195	0.1662E-04
60-75.00	0.1769E-03	-7.5 TO 97.5	0.1284E-05	82.5-187.5	0.1239E-05	60	0-105	0.1190E-04	90-195	0.1155E-04
75-89.94	0.1891E-03	-7.5 TO 97.5	0.4245E-06	82.5-187.5	0.3942E-06	75	0-105	0.6044E-05	90-195	0.5766E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(j) Concluded. Radius ratio, r_2/r_1, 0.90

$r_2/r_1 = 0.90$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0009$ $\cosh \mu_2 = 55.5545$ $\alpha_{2,max} = 90.00$ $\theta_{2,min} = 88.91$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3570E-05	-7.5 TO 7.5	0.3395E-05	82.5- 97.5	0.3382E-05	0	0- 15	0.3444E-05	90-105	0.3444E-05
15-30.00	0.1047E-04	-7.5 TO 7.5	0.3171E-05	82.5- 97.5	0.3143E-05	15	0- 15	0.3341E-05	90-105	0.3319E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.2723E-05	82.5- 97.5	0.2684E-05	30	0- 15	0.2999E-05	90-105	0.2961E-05
45-60.00	0.2177E-04	-7.5 TO 7.5	0.2082E-05	82.5- 97.5	0.2040E-05	45	0- 15	0.2445E-05	90-105	0.2398E-05
60-75.00	0.2527E-04	-7.5 TO 7.5	0.1299E-05	82.5- 97.5	0.1261E-05	60	0- 15	0.1719E-05	90-105	0.1673E-05
75-89.94	0.2701E-04	-7.5 TO 7.5	0.4342E-06	82.5- 97.5	0.4091E-06	75	0- 15	0.8788E-06	90-105	0.8417E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.3395E-05	82.5-112.5	0.3381E-05	0	0- 30	0.6887E-05	90-120	0.6887E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.3171E-05	82.5-112.5	0.3140E-05	15	0- 30	0.6680E-05	90-120	0.6633E-05
30-45.00	0.3330E-04	-7.5 TO 22.5	0.2722E-05	82.5-112.5	0.2679E-05	30	0- 30	0.5996E-05	90-120	0.5913E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.2082E-05	82.5-112.5	0.2035E-05	45	0- 30	0.4887E-05	90-120	0.4785E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.1298E-05	82.5-112.5	0.1256E-05	60	0- 30	0.3436E-05	90-120	0.3336E-05
75-89.94	0.5402E-04	-7.5 TO 22.5	0.4338E-06	82.5-112.5	0.4060E-06	75	0- 30	0.1755E-05	90-120	0.1675E-05
0-15.00	0.1071E-04	-7.5 TO 37.5	0.3395E-05	82.5-127.5	0.3379E-05	0	0- 45	0.1033E-04	90-135	0.1033E-04
15-30.00	0.3140E-04	-7.5 TO 37.5	0.3170E-05	82.5-127.5	0.3136E-05	15	0- 45	0.1002E-04	90-135	0.9943E-05
30-45.00	0.4994E-04	-7.5 TO 37.5	0.2721E-05	82.5-127.5	0.2674E-05	30	0- 45	0.8989E-05	90-135	0.8858E-05
45-60.00	0.6509E-04	-7.5 TO 37.5	0.2080E-05	82.5-127.5	0.2029E-05	45	0- 45	0.7323E-05	90-135	0.7162E-05
60-75.00	0.7580E-04	-7.5 TO 37.5	0.1297E-05	82.5-127.5	0.1252E-05	60	0- 45	0.5147E-05	90-135	0.4989E-05
75-89.94	0.8103E-04	-7.5 TO 37.5	0.4328E-06	82.5-127.5	0.4030E-06	75	0- 45	0.2628E-05	90-135	0.2501E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.3394E-05	82.5-142.5	0.3378E-05	0	0- 60	0.1377E-04	90-150	0.1377E-04
15-30.00	0.4186E-04	-7.5 TO 52.5	0.3168E-05	82.5-142.5	0.3133E-05	15	0- 60	0.1335E-04	90-150	0.1325E-04
30-45.00	0.6659E-04	-7.5 TO 52.5	0.2718E-05	82.5-142.5	0.2670E-05	30	0- 60	0.1197E-04	90-150	0.1180E-04
45-60.00	0.8678E-04	-7.5 TO 52.5	0.2077E-05	82.5-142.5	0.2025E-05	45	0- 60	0.9752E-05	90-150	0.9532E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.1296E-05	82.5-142.5	0.1248E-05	60	0- 60	0.6851E-05	90-150	0.6636E-05
75-89.94	0.1080E-03	-7.5 TO 52.5	0.4313E-06	82.5-142.5	0.4002E-06	75	0- 60	0.3494E-05	90-150	0.3322E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.3393E-05	82.5-157.5	0.3376E-05	0	0- 75	0.1722E-04	90-165	0.1722E-04
15-30.00	0.5233E-04	-7.5 TO 67.5	0.3166E-05	82.5-157.5	0.3130E-05	15	0- 75	0.1668E-04	90-165	0.1655E-04
30-45.00	0.8324E-04	-7.5 TO 67.5	0.2715E-05	82.5-157.5	0.2666E-05	30	0- 75	0.1495E-04	90-165	0.1473E-04
45-60.00	0.1085E-03	-7.5 TO 67.5	0.2074E-05	82.5-157.5	0.2020E-05	45	0- 75	0.1217E-04	90-165	0.1190E-04
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1292E-05	82.5-157.5	0.1244E-05	60	0- 75	0.8545E-05	90-165	0.8276E-05
75-89.94	0.1350E-03	-7.5 TO 67.5	0.4294E-06	82.5-157.5	0.3978E-06	75	0- 75	0.4352E-05	90-165	0.4138E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.3392E-05	82.5-172.5	0.3375E-05	0	0- 90	0.2066E-04	90-180	0.2066E-04
15-30.00	0.6279E-04	-7.5 TO 82.5	0.3163E-05	82.5-172.5	0.3128E-05	15	0- 90	0.2000E-04	90-180	0.1986E-04
30-45.00	0.9989E-04	-7.5 TO 82.5	0.2712E-05	82.5-172.5	0.2662E-05	30	0- 90	0.1792E-04	90-180	0.1766E-04
45-60.00	0.1302E-03	-7.5 TO 82.5	0.2070E-05	82.5-172.5	0.2017E-05	45	0- 90	0.1458E-04	90-180	0.1426E-04
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1288E-05	82.5-172.5	0.1241E-05	60	0- 90	0.1023E-04	90-180	0.9915E-05
75-89.94	0.1621E-03	-7.5 TO 82.5	0.4271E-06	82.5-172.5	0.3958E-06	75	0- 90	0.5202E-05	90-180	0.4952E-05
0-15.00	0.2499E-04	-7.5 TO 97.5	0.3390E-05	82.5-187.5	0.3375E-05	0	0-105	0.2410E-04	90-195	0.2410E-04
15-30.00	0.7326E-04	-7.5 TO 97.5	0.3160E-05	82.5-187.5	0.3126E-05	15	0-105	0.2332E-04	90-195	0.2316E-04
30-45.00	0.1165E-03	-7.5 TO 97.5	0.2708E-05	82.5-187.5	0.2660E-05	30	0-105	0.2088E-04	90-195	0.2059E-04
45-60.00	0.1519E-03	-7.5 TO 97.5	0.2066E-05	82.5-187.5	0.2014E-05	45	0-105	0.1698E-04	90-195	0.1662E-04
60-75.00	0.1769E-03	-7.5 TO 97.5	0.1284E-05	82.5-187.5	0.1239E-05	60	0-105	0.1190E-04	90-195	0.1155E-04
75-89.94	0.1891E-03	-7.5 TO 97.5	0.4245E-06	82.5-187.5	0.3942E-06	75	0-105	0.6044E-05	90-195	0.5766E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 2.001 $\cosh \mu_1$ = 1.0005 $\cosh \mu_2$ = 1.0005 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 13.69

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8619E 01	-7.5 TO 7.5	0.4449E 00	82.5- 97.5	0.5610E-05	0	0- 15	0.4164E-01	90-105	0.4164E-01
15-30.00	0.2615E 02	-7.5 TO 7.5	0.1755E-01	82.5- 97.5	0.	15	0- 15	0.1307E 00	90-105	0.
30-45.00	0.4160E 02	-7.5 TO 7.5	0.1705E-04	82.5- 97.5	0.	30	0- 15	0.2237E-03	90-105	0.
45-60.00	0.5421E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	45	0- 15	0.	90-105	0.
60-75.00	0.6313E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-90.00	0.6774E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1784E 02	-7.5 TO 22.5	0.2877E 00	82.5-112.5	0.4162E-05	0	0- 30	0.8329E-01	90-120	0.8329E-01
15-30.00	0.5230E 02	-7.5 TO 22.5	0.1342E-01	82.5-112.5	0.	15	0- 30	0.1562E 00	90-120	0.
30-45.00	0.8219E 02	-7.5 TO 22.5	0.1321E-04	82.5-112.5	0.	30	0- 30	0.3007E-03	90-120	0.
45-60.00	0.1084E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	45	0- 30	0.	90-120	0.
60-75.00	0.1263E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-90.00	0.1355E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.2676E 02	-7.5 TO 37.5	0.1967E 00	82.5-127.5	0.3414E-05	0	0- 45	0.1249E 00	90-135	0.1249E 00
15-30.00	0.7644E 02	-7.5 TO 37.5	0.9708E-02	82.5-127.5	0.	15	0- 45	0.1606E 00	90-135	0.
30-45.00	0.1248E 03	-7.5 TO 37.5	0.9264E-05	82.5-127.5	0.	30	0- 45	0.3032E-03	90-135	0.
45-60.00	0.1626E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	45	0- 45	0.	90-135	0.
60-75.00	0.1894E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-90.00	0.2032E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.3567E 02	-7.5 TO 52.5	0.1482E 00	82.5-142.5	0.2937E-05	0	0- 60	0.1666E 00	90-150	0.1666E 00
15-30.00	0.1046E 03	-7.5 TO 52.5	0.7392E-02	82.5-142.5	0.	15	0- 60	0.1614E 00	90-150	0.
30-45.00	0.1664E 03	-7.5 TO 52.5	0.6952E-05	82.5-142.5	0.	30	0- 60	0.3032E-03	90-150	0.
45-60.00	0.2168E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	45	0- 60	0.	90-150	0.
60-75.00	0.2525E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-90.00	0.2710E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.4459E 02	-7.5 TO 67.5	0.1186E 00	82.5-157.5	0.2605E-05	0	0- 75	0.2082E 00	90-165	0.2082E 00
15-30.00	0.1307E 03	-7.5 TO 67.5	0.5926E-02	82.5-157.5	0.	15	0- 75	0.1615E 00	90-165	0.
30-45.00	0.2080E 03	-7.5 TO 67.5	0.5561E-05	82.5-157.5	0.	30	0- 75	0.3032E-03	90-165	0.
45-60.00	0.2710E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	45	0- 75	0.	90-165	0.
60-75.00	0.3156E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-90.00	0.3387E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.5351E 02	-7.5 TO 82.5	0.9886E-01	82.5-172.5	0.2364E-05	0	0- 90	0.2499E 00	90-180	0.2499E 00
15-30.00	0.1569E 03	-7.5 TO 82.5	0.4939E-02	82.5-172.5	0.	15	0- 90	0.1615E 00	90-180	0.
30-45.00	0.2496E 03	-7.5 TO 82.5	0.4634E-05	82.5-172.5	0.	30	0- 90	0.3032E-03	90-180	0.
45-60.00	0.3252E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	45	0- 90	0.	90-180	0.
60-75.00	0.3788E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-90.00	0.4065E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.6243E 02	-7.5 TO 97.5	0.8474E-01	82.5-187.5	0.2186E-05	0	0-105	0.2915E 00	90-195	0.2915E 00
15-30.00	0.1830E 03	-7.5 TO 97.5	0.4233E-02	82.5-187.5	0.	15	0-105	0.1615E 00	90-195	0.
30-45.00	0.2912E 03	-7.5 TO 97.5	0.3972E-05	82.5-187.5	0.	30	0-105	0.3032E-03	90-195	0.
45-60.00	0.3795E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	45	0-105	0.	90-195	0.
60-75.00	0.4419E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-90.00	0.4742E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

r_2/r_1 = 1.00 d/r_1 = 2.001 $\cosh \mu_1$ = 1.0005 $\cosh \mu_2$ = 1.0005 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 6.75

0-15.00	0.8619E 01	-7.5 TO 7.5	0.5108E 00	82.5- 97.5	0.5610E-05	0	0- 15	0.4164E-01	90-105	0.4164E-01
15-30.00	0.2615E 02	-7.5 TO 7.5	0.1789E 00	82.5- 97.5	0.	15	0- 15	0.3063E 00	90-105	0.
30-45.00	0.4160E 02	-7.5 TO 7.5	0.2089E-01	82.5- 97.5	0.	30	0- 15	0.5875E-01	90-105	0.
45-60.00	0.5421E 02	-7.5 TO 7.5	0.7822E-03	82.5- 97.5	0.	45	0- 15	0.3931E-02	90-105	0.
60-75.00	0.6313E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	60	0- 15	0.	90-105	0.
75-90.00	0.6774E 02	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1784E 02	-7.5 TO 22.5	0.3360E 00	82.5-112.5	0.4162E-05	0	0- 30	0.8329E-01	90-120	0.8329E-01
15-30.00	0.5230E 02	-7.5 TO 22.5	0.1398E 00	82.5-112.5	0.	15	0- 30	0.3750E 00	90-120	0.
30-45.00	0.8319E 02	-7.5 TO 22.5	0.1779E-01	82.5-112.5	0.	30	0- 30	0.8469E-01	90-120	0.
45-60.00	0.1084E 03	-7.5 TO 22.5	0.7600E-03	82.5-112.5	0.	45	0- 30	0.6015E-02	90-120	0.
60-75.00	0.1263E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	60	0- 30	0.	90-120	0.
75-90.00	0.1355E 03	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.2676E 02	-7.5 TO 37.5	0.2313E 00	82.5-127.5	0.3414E-05	0	0- 45	0.1249E 00	90-135	0.1249E 00
15-30.00	0.7644E 02	-7.5 TO 37.5	0.1024E 00	82.5-127.5	0.	15	0- 45	0.3879E 00	90-135	0.
30-45.00	0.1248E 03	-7.5 TO 37.5	0.1378E-01	82.5-127.5	0.	30	0- 45	0.9205E-01	90-135	0.
45-60.00	0.1626E 03	-7.5 TO 37.5	0.5905E-03	82.5-127.5	0.	45	0- 45	0.6563E-02	90-135	0.
60-75.00	0.1894E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	60	0- 45	0.	90-135	0.
75-90.00	0.2032E 03	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.3567E 02	-7.5 TO 52.5	0.1745E 00	82.5-142.5	0.2937E-05	0	0- 60	0.1666E 00	90-150	0.1666E 00
15-30.00	0.1046E 03	-7.5 TO 52.5	0.7833E-01	82.5-142.5	0.	15	0- 60	0.3902E 00	90-150	0.
30-45.00	0.1664E 03	-7.5 TO 52.5	0.1070E-01	82.5-142.5	0.	30	0- 60	0.9365E-01	90-150	0.
45-60.00	0.2168E 03	-7.5 TO 52.5	0.4506E-03	82.5-142.5	0.	45	0- 60	0.6597E-02	90-150	0.
60-75.00	0.2525E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	60	0- 60	0.	90-150	0.
75-90.00	0.2710E 03	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.4459E 02	-7.5 TO 67.5	0.1397E 00	82.5-157.5	0.2605E-05	0	0- 75	0.2082E 00	90-165	0.2082E 00
15-30.00	0.1307E 03	-7.5 TO 67.5	0.6289E-01	82.5-157.5	0.	15	0- 75	0.3905E 00	90-165	0.
30-45.00	0.2080E 03	-7.5 TO 67.5	0.8608E-02	82.5-157.5	0.	30	0- 75	0.9385E-01	90-165	0.
45-60.00	0.2710E 03	-7.5 TO 67.5	0.3605E-03	82.5-157.5	0.	45	0- 75	0.6597E-02	90-165	0.
60-75.00	0.3156E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	60	0- 75	0.	90-165	0.
75-90.00	0.3387E 03	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.5351E 02	-7.5 TO 82.5	0.1164E 00	82.5-172.5	0.2364E-05	0	0- 90	0.2499E 00	90-180	0.2499E 00
15-30.00	0.1569E 03	-7.5 TO 82.5	0.5243E-01	82.5-172.5	0.	15	0- 90	0.3905E 00	90-180	0.
30-45.00	0.2496E 03	-7.5 TO 82.5	0.7175E-02	82.5-172.5	0.	30	0- 90	0.9386E-01	90-180	0.
45-60.00	0.3252E 03	-7.5 TO 82.5	0.3004E-03	82.5-172.5	0.	45	0- 90	0.6597E-02	90-180	0.
60-75.00	0.3788E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	60	0- 90	0.	90-180	0.
75-90.00	0.4065E 03	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.6243E 02	-7.5 TO 97.5	0.9979E-01	82.5-187.5	0.2186E-05	0	0-105	0.2915E 00	90-195	0.2915E 00
15-30.00	0.1830E 03	-7.5 TO 97.5	0.4494E-01	82.5-187.5	0.	15	0-105	0.3905E 00	90-195	0.
30-45.00	0.2912E 03	-7.5 TO 97.5	0.6150E-02	82.5-187.5	0.	30	0-105	0.9386E-01	90-195	0.
45-60.00	0.3795E 03	-7.5 TO 97.5	0.2575E-03	82.5-187.5	0.	45	0-105	0.6597E-02	90-195	0.
60-75.00	0.4419E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	60	0-105	0.	90-195	0.
75-90.00	0.4742E 03	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 2.001 cosh μ_1 = 1.0005 cosh μ_2 = 1.0005 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 4.37

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8519E 01	-7.5 TO 7.5	0.5066E 00	82.5- 97.5	0.5610E-05	0	0- 15	0.4164E-01	90-105	0.4164E-01
15-30.00	0.2615E 02	-7.5 TO 7.5	0.2086E 00	82.5- 97.5	0.	15	0- 15	0.2930E 00	90-105	0.
30-45.00	0.4160E 02	-7.5 TO 7.5	0.6186E-01	82.5- 97.5	0.	30	0- 15	0.1125E 00	90-105	0.
45-60.00	0.5421E 02	-7.5 TO 7.5	0.1149E-01	82.5- 97.5	0.	45	0- 15	0.2502E-01	90-105	0.
60-75.00	0.6313E 02	-7.5 TO 7.5	0.1015E-02	82.5- 97.5	0.	60	0- 15	0.3296E-02	90-105	0.
75-90.00	0.6774E 02	-7.5 TO 7.5	0.3634E-06	82.5- 97.5	0.	75	0- 15	0.3425E-05	90-105	0.
0-15.00	0.1184E 02	-7.5 TO 22.5	0.3335E 00	82.5-112.5	0.4162E-05	0	0- 30	0.8329E-01	90-120	0.8329E-01
15-30.00	0.5230E 02	-7.5 TO 22.5	0.1660E 00	82.5-112.5	0.	15	0- 30	0.3617E 00	90-120	0.
30-45.00	0.8319E 02	-7.5 TO 22.5	0.5331E-01	82.5-112.5	0.	30	0- 30	0.1652E 00	90-120	0.
45-60.00	0.1084E 03	-7.5 TO 22.5	0.1018E-01	82.5-112.5	0.	45	0- 30	0.3947E-01	90-120	0.
60-75.00	0.1263E 03	-7.5 TO 22.5	0.8763E-03	82.5-112.5	0.	60	0- 30	0.5144E-02	90-120	0.
75-90.00	0.1355E 03	-7.5 TO 22.5	0.2127E-06	82.5-112.5	0.	75	0- 30	0.3425E-05	90-120	0.
0-15.00	0.2676E 02	-7.5 TO 37.5	0.2297E 00	82.5-127.5	0.3414E-05	0	0- 45	0.1249E 00	90-135	0.1249E 00
15-30.00	0.7644E 02	-7.5 TO 37.5	0.1228E 00	82.5-127.5	0.	15	0- 45	0.3747E 00	90-135	0.
30-45.00	0.1248E 03	-7.5 TO 37.5	0.4187E-01	82.5-127.5	0.	30	0- 45	0.1812E 00	90-135	0.
45-60.00	0.1626E 03	-7.5 TO 37.5	0.8178E-02	82.5-127.5	0.	45	0- 45	0.4477E-01	90-135	0.
60-75.00	0.1694E 03	-7.5 TO 37.5	0.6700E-03	82.5-127.5	0.	60	0- 45	0.5644E-02	90-135	0.
75-90.00	0.2032E 03	-7.5 TO 37.5	0.1418E-06	82.5-127.5	0.	75	0- 45	0.3425E-05	90-135	0.
0-15.00	0.3567E 02	-7.5 TO 52.5	0.1732E 00	82.5-142.5	0.2937E-05	0	0- 60	0.1666E 00	90-150	0.1666E 00
15-30.00	0.1046E 03	-7.5 TO 52.5	0.9424E-01	82.5-142.5	0.	15	0- 60	0.3770E 00	90-150	0.
30-45.00	0.1664E 03	-7.5 TO 52.5	0.3280E-01	82.5-142.5	0.	30	0- 60	0.1849E 00	90-150	0.
45-60.00	0.2168E 03	-7.5 TO 52.5	0.6428E-02	82.5-142.5	0.	45	0- 60	0.4599E-01	90-150	0.
60-75.00	0.2525E 03	-7.5 TO 52.5	0.5100E-03	82.5-142.5	0.	60	0- 60	0.5670E-02	90-150	0.
75-90.00	0.2710E 03	-7.5 TO 52.5	0.1063E-06	82.5-142.5	0.	75	0- 60	0.3425E-05	90-150	0.
0-15.00	0.4459E 02	-7.5 TO 67.5	0.1387E 00	82.5-157.5	0.2605E-05	0	0- 75	0.2082E 00	90-165	0.2082E 00
15-30.00	0.1307E 03	-7.5 TO 67.5	0.7569E-01	82.5-157.5	0.	15	0- 75	0.3772E 00	90-165	0.
30-45.00	0.2080E 03	-7.5 TO 67.5	0.2646E-01	82.5-157.5	0.	30	0- 75	0.1853E 00	90-165	0.
45-60.00	0.2710E 03	-7.5 TO 67.5	0.5175E-02	82.5-157.5	0.	45	0- 75	0.4612E-01	90-165	0.
60-75.00	0.3156E 03	-7.5 TO 67.5	0.4080E-03	82.5-157.5	0.	60	0- 75	0.5670E-02	90-165	0.
75-90.00	0.3387E 03	-7.5 TO 67.5	0.8507E-07	82.5-157.5	0.	75	0- 75	0.3425E-05	90-165	0.
0-15.00	0.5351E 02	-7.5 TO 82.5	0.1156E 00	82.5-172.5	0.2364E-05	0	0- 90	0.2499E 00	90-180	0.2499E 00
15-30.00	0.1569E 03	-7.5 TO 82.5	0.6310E-01	82.5-172.5	0.	15	0- 90	0.3773E 00	90-180	0.
30-45.00	0.2456E 03	-7.5 TO 82.5	0.2207E-01	82.5-172.5	0.	30	0- 90	0.1853E 00	90-180	0.
45-60.00	0.3252E 03	-7.5 TO 82.5	0.4313E-02	82.5-172.5	0.	45	0- 90	0.4612E-01	90-180	0.
60-75.00	0.3788E 03	-7.5 TO 82.5	0.3400E-03	82.5-172.5	0.	60	0- 90	0.5670E-02	90-180	0.
75-90.00	0.4065E 03	-7.5 TO 82.5	0.7089E-07	82.5-172.5	0.	75	0- 90	0.3425E-05	90-180	0.
0-15.00	0.6243E 02	-7.5 TO 97.5	0.9907E-01	82.5-187.5	0.2186E-05	0	0-105	0.2915E 00	90-195	0.2915E 00
15-30.00	0.1830E 03	-7.5 TO 97.5	0.5409E-01	82.5-187.5	0.	15	0-105	0.3773E 00	90-195	0.
30-45.00	0.2912E 03	-7.5 TO 97.5	0.1891E-01	82.5-187.5	0.	30	0-105	0.1853E 00	90-195	0.
45-60.00	0.3795E 03	-7.5 TO 97.5	0.3697E-02	82.5-187.5	0.	45	0-105	0.4612E-01	90-195	0.
60-75.00	0.4419E 03	-7.5 TO 97.5	0.2915E-03	82.5-187.5	0.	60	0-105	0.5670E-02	90-195	0.
75-90.00	0.4742E 03	-7.5 TO 97.5	0.6077E-07	82.5-187.5	0.	75	0-105	0.3425E-05	90-195	0.

r_2/r_1 = 1.00 d/r_1 = 2.001 cosh μ_1 = 1.0005 cosh μ_2 = 1.0005 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 3.14

0-15.00	0.8919E 01	-7.5 TO 7.5	0.5066E 00	82.5- 97.5	0.5610E-05	0	0- 15	0.4164E-01	90-105	0.4164E-01
15-30.00	0.2615E 02	-7.5 TO 7.5	0.2106E 00	82.5- 97.5	0.	15	0- 15	0.2930E 00	90-105	0.
30-45.00	0.4160E 02	-7.5 TO 7.5	0.7541E-01	82.5- 97.5	0.	30	0- 15	0.1207E 00	90-105	0.
45-60.00	0.5421E 02	-7.5 TO 7.5	0.2126E-01	82.5- 97.5	0.	45	0- 15	0.3860E-01	90-105	0.
60-75.00	0.6313E 02	-7.5 TO 7.5	0.3948E-02	82.5- 97.5	0.	60	0- 15	0.8855E-02	90-105	0.
75-90.00	0.6774E 02	-7.5 TO 7.5	0.1771E-03	82.5- 97.5	0.	75	0- 15	0.8415E-03	90-105	0.
0-15.00	0.1184E 02	-7.5 TO 22.5	0.3335E 00	82.5-112.5	0.4162E-05	0	0- 30	0.8329E-01	90-120	0.8329E-01
15-30.00	0.5230E 02	-7.5 TO 22.5	0.1677E 00	82.5-112.5	0.	15	0- 30	0.3617E 00	90-120	0.
30-45.00	0.8319E 02	-7.5 TO 22.5	0.6537E-01	82.5-112.5	0.	30	0- 30	0.1774E 00	90-120	0.
45-60.00	0.1084E 03	-7.5 TO 22.5	0.1901E-01	82.5-112.5	0.	45	0- 30	0.6153E-01	90-120	0.
60-75.00	0.1263E 03	-7.5 TO 22.5	0.3517E-02	82.5-112.5	0.	60	0- 30	0.1436E-01	90-120	0.
75-90.00	0.1355E 03	-7.5 TO 22.5	0.1457E-03	82.5-112.5	0.	75	0- 30	0.1233E-02	90-120	0.
0-15.00	0.2676E 02	-7.5 TO 37.5	0.2297E 00	82.5-127.5	0.3414E-05	0	0- 45	0.1249E 00	90-135	0.1249E 00
15-30.00	0.7644E 02	-7.5 TO 37.5	0.1242E 00	82.5-127.5	0.	15	0- 45	0.3747E 00	90-135	0.
30-45.00	0.1248E 03	-7.5 TO 37.5	0.5161E-01	82.5-127.5	0.	30	0- 45	0.1944E 00	90-135	0.
45-60.00	0.1626E 03	-7.5 TO 37.5	0.1548E-01	82.5-127.5	0.	45	0- 45	0.7034E-01	90-135	0.
60-75.00	0.1694E 03	-7.5 TO 37.5	0.2822E-02	82.5-127.5	0.	60	0- 45	0.1663E-01	90-135	0.
75-90.00	0.2032E 03	-7.5 TO 37.5	0.1052E-03	82.5-127.5	0.	75	0- 45	0.1277E-02	90-135	0.
0-15.00	0.3567E 02	-7.5 TO 52.5	0.1732E 00	82.5-142.5	0.2937E-05	0	0- 60	0.1666E 00	90-150	0.1666E 00
15-30.00	0.1046E 03	-7.5 TO 52.5	0.9529E-01	82.5-142.5	0.	15	0- 60	0.3770E 00	90-150	0.
30-45.00	0.1664E 03	-7.5 TO 52.5	0.4048E-01	82.5-142.5	0.	30	0- 60	0.1980E 00	90-150	0.
45-60.00	0.2168E 03	-7.5 TO 52.5	0.1228E-01	82.5-142.5	0.	45	0- 60	0.7247E-01	90-150	0.
60-75.00	0.2525E 03	-7.5 TO 52.5	0.2201E-02	82.5-142.5	0.	60	0- 60	0.1681E-01	90-150	0.
75-90.00	0.2710E 03	-7.5 TO 52.5	0.7909E-04	82.5-142.5	0.	75	0- 60	0.1277E-02	90-150	0.
0-15.00	0.4459E 02	-7.5 TO 67.5	0.1387E 00	82.5-157.5	0.2605E-05	0	0- 75	0.2082E 00	90-165	0.2082E 00
15-30.00	0.1307E 03	-7.5 TO 67.5	0.7653E-01	82.5-157.5	0.	15	0- 75	0.3772E 00	90-165	0.
30-45.00	0.2080E 03	-7.5 TO 67.5	0.3264E-01	82.5-157.5	0.	30	0- 75	0.1985E 00	90-165	0.
45-60.00	0.2710E 03	-7.5 TO 67.5	0.9919E-02	82.5-157.5	0.	45	0- 75	0.7268E-01	90-165	0.
60-75.00	0.3156E 03	-7.5 TO 67.5	0.1766E-02	82.5-157.5	0.	60	0- 75	0.1682E-01	90-165	0.
75-90.00	0.3387E 03	-7.5 TO 67.5	0.6327E-04	82.5-157.5	0.	75	0- 75	0.1277E-02	90-165	0.
0-15.00	0.5351E 02	-7.5 TO 82.5	0.1156E 00	82.5-172.5	0.2364E-05	0	0- 90	0.2499E 00	90-180	0.2499E 00
15-30.00	0.1569E 03	-7.5 TO 82.5	0.6380E-01	82.5-172.5	0.	15	0- 90	0.3773E 00	90-180	0.
30-45.00	0.2456E 03	-7.5 TO 82.5	0.2722E-01	82.5-172.5	0.	30	0- 90	0.1985E 00	90-180	0.
45-60.00	0.3252E 03	-7.5 TO 82.5	0.8269E-02	82.5-172.5	0.	45	0- 90	0.7268E-01	90-180	0.
60-75.00	0.3788E 03	-7.5 TO 82.5	0.1472E-02	82.5-172.5	0.	60	0- 90	0.1682E-01	90-180	0.
75-90.00	0.4065E 03	-7.5 TO 82.5	0.5273E-04	82.5-172.5	0.	75	0- 90	0.1277E-02	90-180	0.
0-15.00	0.6243E 02	-7.5 TO 97.5	0.9907E-01	82.5-187.5	0.2186E-05	0	0-105	0.2915E 00	90-195	0.2915E 00
15-30.00	0.1830E 03	-7.5 TO 97.5	0.5468E-01	82.5-187.5	0.	15	0-105	0.3773E 00	90-195	0.
30-45.00	0.2912E 03	-7.5 TO 97.5	0.2333E-01	82.5-187.5	0.	30	0-105	0.1985E 00	90-195	0.
45-60.00	0.3795E 03	-7.5 TO 97.5	0.7088E-02	82.5-187.5	0.	45	0-105	0.7268E-01	90-195	0.
60-75.00	0.4419E 03	-7.5 TO 97.5	0.1262E-02	82.5-187.5	0.	60	0-105	0.1682E-01	90-195	0.
75-90.00	0.4742E 03	-7.5 TO 97.5	0.4519E-04	82.5-187.5	0.	75	0-105	0.1277E-02	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 2.001 $\cosh \mu_1$ = 1.0005 $\cosh \mu_2$ = 1.0005 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 2.36

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.8919E 01	-7.5 TO 7.5	0.5066E 00	82.5- 97.5	0.5610E-05	0	0- 15	0.4164E-01	90-105	0.4164E-01
15-30.00	0.2615E 02	-7.5 TO 7.5	0.2106E 00	82.5- 97.5	0.	15	0- 15	0.2930E 00	90-105	0.
30-45.00	0.4160E 02	-7.5 TO 7.5	0.7688E-01	82.5- 97.5	0.	30	0- 15	0.1207E 00	90-105	0.
45-60.00	0.5421E 02	-7.5 TO 7.5	0.2468E-01	82.5- 97.5	0.	45	0- 15	0.4165E-01	90-105	0.
60-75.00	0.6313E 02	-7.5 TO 7.5	0.5812E-02	82.5- 97.5	0.	60	0- 15	0.1164E-01	90-105	0.
75-90.00	0.6774E 02	-7.5 TO 7.5	0.5137E-03	82.5- 97.5	0.	75	0- 15	0.1768E-02	90-105	0.
0-15.00	0.1784E 02	-7.5 TO 22.5	0.3335E 00	82.5-112.5	0.4162E-05	0	0- 30	0.8329E-01	90-120	0.8329E-01
15-30.00	0.5230E 02	-7.5 TO 22.5	0.1677E 00	82.5-112.5	0.	15	0- 30	0.3617E 00	90-120	0.
30-45.00	0.8319E 02	-7.5 TO 22.5	0.6664E-01	82.5-112.5	0.	30	0- 30	0.1774E 00	90-120	0.
45-60.00	0.1084E 03	-7.5 TO 22.5	0.2209E-01	82.5-112.5	0.	45	0- 30	0.6633E-01	90-120	0.
60-75.00	0.1263E 03	-7.5 TO 22.5	0.5216E-02	82.5-112.5	0.	60	0- 30	0.1899E-01	90-120	0.
75-90.00	0.1355E 03	-7.5 TO 22.5	0.4395E-03	82.5-112.5	0.	75	0- 30	0.2743E-02	90-120	0.
0-15.00	0.2676E 02	-7.5 TO 37.5	0.2297E 00	82.5-127.5	0.3414E-05	0	0- 45	0.1249E 00	90-135	0.1249E 00
15-30.00	0.7844E 02	-7.5 TO 37.5	0.1242E 00	82.5-127.5	0.	15	0- 45	0.3747E 00	90-135	0.
30-45.00	0.1248E 03	-7.5 TO 37.5	0.5258E-01	82.5-127.5	0.	30	0- 45	0.1944E 00	90-135	0.
45-60.00	0.1626E 03	-7.5 TO 37.5	0.1799E-01	82.5-127.5	0.	45	0- 45	0.7562E-01	90-135	0.
60-75.00	0.1894E 03	-7.5 TO 37.5	0.4230E-02	82.5-127.5	0.	60	0- 45	0.2182E-01	90-135	0.
75-90.00	0.2032E 03	-7.5 TO 37.5	0.3325E-03	82.5-127.5	0.	75	0- 45	0.2970E-02	90-135	0.
0-15.00	0.3567E 02	-7.5 TO 52.5	0.1732E 00	82.5-142.5	0.2937E-05	0	0- 60	0.1666E 00	90-150	0.1666E 00
15-30.00	0.1046E 03	-7.5 TO 52.5	0.9529E-01	82.5-142.5	0.	15	0- 60	0.3770E 00	90-150	0.
30-45.00	0.1664E 03	-7.5 TO 52.5	0.4122E-01	82.5-142.5	0.	30	0- 60	0.1980E 00	90-150	0.
45-60.00	0.2168E 03	-7.5 TO 52.5	0.1426E-01	82.5-142.5	0.	45	0- 60	0.7777E-01	90-150	0.
60-75.00	0.2525E 03	-7.5 TO 52.5	0.3319E-02	82.5-142.5	0.	60	0- 60	0.2234E-01	90-150	0.
75-90.00	0.2710E 03	-7.5 TO 52.5	0.2520E-03	82.5-142.5	0.	75	0- 60	0.2976E-02	90-150	0.
0-15.00	0.4459E 02	-7.5 TO 67.5	0.1387E 00	82.5-157.5	0.2605E-05	0	0- 75	0.2082E 00	90-165	0.2082E 00
15-30.00	0.1307E 03	-7.5 TO 67.5	0.7653E-01	82.5-157.5	0.	15	0- 75	0.3772E 00	90-165	0.
30-45.00	0.2080E 03	-7.5 TO 67.5	0.3324E-01	82.5-157.5	0.	30	0- 75	0.1985E 00	90-165	0.
45-60.00	0.2710E 03	-7.5 TO 67.5	0.1150E-01	82.5-157.5	0.	45	0- 75	0.7798E-01	90-165	0.
60-75.00	0.3156E 03	-7.5 TO 67.5	0.2655E-02	82.5-157.5	0.	60	0- 75	0.2236E-01	90-165	0.
75-90.00	0.3387E 03	-7.5 TO 67.5	0.2016E-03	82.5-157.5	0.	75	0- 75	0.2976E-02	90-165	0.
0-15.00	0.5351E 02	-7.5 TO 82.5	0.1156E 00	82.5-172.5	0.2364E-05	0	0- 90	0.2499E 00	90-180	0.2499E 00
15-30.00	0.1569E 03	-7.5 TO 82.5	0.6380E-01	82.5-172.5	0.	15	0- 90	0.3773E 00	90-180	0.
30-45.00	0.2496E 03	-7.5 TO 82.5	0.2772E-01	82.5-172.5	0.	30	0- 90	0.1985E 00	90-180	0.
45-60.00	0.3252E 03	-7.5 TO 82.5	0.9590E-02	82.5-172.5	0.	45	0- 90	0.7797E-01	90-180	0.
60-75.00	0.3788E 03	-7.5 TO 82.5	0.2221E-02	82.5-172.5	0.	60	0- 90	0.2236E-01	90-180	0.
75-90.00	0.4065E 03	-7.5 TO 82.5	0.1680E-03	82.5-172.5	0.	75	0- 90	0.2976E-02	90-180	0.
0-15.00	0.6243E 02	-7.5 TO 97.5	0.9907E-01	82.5-187.5	0.2186E-05	0	0-105	0.2915E 00	90-195	0.2915E 00
15-30.00	0.1830E 03	-7.5 TO 97.5	0.5468E-01	82.5-187.5	0.	15	0-105	0.3773E 00	90-195	0.
30-45.00	0.2912E 03	-7.5 TO 97.5	0.2376E-01	82.5-187.5	0.	30	0-105	0.1985E 00	90-195	0.
45-60.00	0.3795E 03	-7.5 TO 97.5	0.8220E-02	82.5-187.5	0.	45	0-105	0.7797E-01	90-195	0.
60-75.00	0.4419E 03	-7.5 TO 97.5	0.1904E-02	82.5-187.5	0.	60	0-105	0.2236E-01	90-195	0.
75-90.00	0.4742E 03	-7.5 TO 97.5	0.1440E-03	82.5-187.5	0.	75	0-105	0.2976E-02	90-195	0.

r_2/r_1 = 1.00 d/r_1 = 2.001 $\cosh \mu_1$ = 1.0005 $\cosh \mu_2$ = 1.0005 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 1.81

0-15.00	0.8919E 01	-7.5 TO 7.5	0.5066E 00	82.5- 97.5	0.5610E-05	0	0- 15	0.4164E-01	90-105	0.4164E-01
15-30.00	0.2615E 02	-7.5 TO 7.5	0.2106E 00	82.5- 97.5	0.	15	0- 15	0.2930E 00	90-105	0.
30-45.00	0.4160E 02	-7.5 TO 7.5	0.7688E-01	82.5- 97.5	0.	30	0- 15	0.1207E 00	90-105	0.
45-60.00	0.5421E 02	-7.5 TO 7.5	0.2490E-01	82.5- 97.5	0.	45	0- 15	0.4165E-01	90-105	0.
60-75.00	0.6313E 02	-7.5 TO 7.5	0.6181E-02	82.5- 97.5	0.	60	0- 15	0.1202E-01	90-105	0.
75-90.00	0.6774E 02	-7.5 TO 7.5	0.6336E-03	82.5- 97.5	0.	75	0- 15	0.2018E-02	90-105	0.
0-15.00	0.1784E 02	-7.5 TO 22.5	0.3335E 00	82.5-112.5	0.4162E-05	0	0- 30	0.8329E-01	90-120	0.8329E-01
15-30.00	0.5230E 02	-7.5 TO 22.5	0.1677E 00	82.5-112.5	0.	15	0- 30	0.3617E 00	90-120	0.
30-45.00	0.8319E 02	-7.5 TO 22.5	0.6664E-01	82.5-112.5	0.	30	0- 30	0.1774E 00	90-120	0.
45-60.00	0.1084E 03	-7.5 TO 22.5	0.2227E-01	82.5-112.5	0.	45	0- 30	0.6633E-01	90-120	0.
60-75.00	0.1263E 03	-7.5 TO 22.5	0.5537E-02	82.5-112.5	0.	60	0- 30	0.1955E-01	90-120	0.
75-90.00	0.1355E 03	-7.5 TO 22.5	0.5427E-03	82.5-112.5	0.	75	0- 30	0.3130E-02	90-120	0.
0-15.00	0.2676E 02	-7.5 TO 37.5	0.2297E 00	82.5-127.5	0.3414E-05	0	0- 45	0.1249E 00	90-135	0.1249E 00
15-30.00	0.7844E 02	-7.5 TO 37.5	0.1242E 00	82.5-127.5	0.	15	0- 45	0.3747E 00	90-135	0.
30-45.00	0.1248E 03	-7.5 TO 37.5	0.5258E-01	82.5-127.5	0.	30	0- 45	0.1944E 00	90-135	0.
45-60.00	0.1626E 03	-7.5 TO 37.5	0.1812E-01	82.5-127.5	0.	45	0- 45	0.7562E-01	90-135	0.
60-75.00	0.1894E 03	-7.5 TO 37.5	0.4478E-02	82.5-127.5	0.	60	0- 45	0.2240E-01	90-135	0.
75-90.00	0.2032E 03	-7.5 TO 37.5	0.4108E-03	82.5-127.5	0.	75	0- 45	0.3388E-02	90-135	0.
0-15.00	0.3567E 02	-7.5 TO 52.5	0.1732E 00	82.5-142.5	0.2937E-05	0	0- 60	0.1666E 00	90-150	0.1666E 00
15-30.00	0.1046E 03	-7.5 TO 52.5	0.9529E-01	82.5-142.5	0.	15	0- 60	0.3770E 00	90-150	0.
30-45.00	0.1664E 03	-7.5 TO 52.5	0.4122E-01	82.5-142.5	0.	30	0- 60	0.1980E 00	90-150	0.
45-60.00	0.2168E 03	-7.5 TO 52.5	0.1436E-01	82.5-142.5	0.	45	0- 60	0.7777E-01	90-150	0.
60-75.00	0.2525E 03	-7.5 TO 52.5	0.3508E-02	82.5-142.5	0.	60	0- 60	0.2292E-01	90-150	0.
75-90.00	0.2710E 03	-7.5 TO 52.5	0.3114E-03	82.5-142.5	0.	75	0- 60	0.3395E-02	90-150	0.
0-15.00	0.4459E 02	-7.5 TO 67.5	0.1387E 00	82.5-157.5	0.2605E-05	0	0- 75	0.2082E 00	90-165	0.2082E 00
15-30.00	0.1307E 03	-7.5 TO 67.5	0.7653E-01	82.5-157.5	0.	15	0- 75	0.3772E 00	90-165	0.
30-45.00	0.2080E 03	-7.5 TO 67.5	0.3324E-01	82.5-157.5	0.	30	0- 75	0.1985E 00	90-165	0.
45-60.00	0.2710E 03	-7.5 TO 67.5	0.1158E-01	82.5-157.5	0.	45	0- 75	0.7798E-01	90-165	0.
60-75.00	0.3156E 03	-7.5 TO 67.5	0.2816E-02	82.5-157.5	0.	60	0- 75	0.2294E-01	90-165	0.
75-90.00	0.3387E 03	-7.5 TO 67.5	0.2492E-03	82.5-157.5	0.	75	0- 75	0.3395E-02	90-165	0.
0-15.00	0.5351E 02	-7.5 TO 82.5	0.1156E 00	82.5-172.5	0.2364E-05	0	0- 90	0.2499E 00	90-180	0.2499E 00
15-30.00	0.1569E 03	-7.5 TO 82.5	0.6380E-01	82.5-172.5	0.	15	0- 90	0.3773E 00	90-180	0.
30-45.00	0.2496E 03	-7.5 TO 82.5	0.2772E-01	82.5-172.5	0.	30	0- 90	0.1985E 00	90-180	0.
45-60.00	0.3252E 03	-7.5 TO 82.5	0.9656E-02	82.5-172.5	0.	45	0- 90	0.7797E-01	90-180	0.
60-75.00	0.3788E 03	-7.5 TO 82.5	0.2347E-02	82.5-172.5	0.	60	0- 90	0.2294E-01	90-180	0.
75-90.00	0.4065E 03	-7.5 TO 82.5	0.2076E-03	82.5-172.5	0.	75	0- 90	0.3395E-02	90-180	0.
0-15.00	0.6243E 02	-7.5 TO 97.5	0.9907E-01	82.5-187.5	0.2186E-05	0	0-105	0.2915E 00	90-195	0.2915E 00
15-30.00	0.1830E 03	-7.5 TO 97.5	0.5468E-01	82.5-187.5	0.	15	0-105	0.3773E 00	90-195	0.
30-45.00	0.2912E 03	-7.5 TO 97.5	0.2376E-01	82.5-187.5	0.	30	0-105	0.1985E 00	90-195	0.
45-60.00	0.3795E 03	-7.5 TO 97.5	0.8277E-02	82.5-187.5	0.	45	0-105	0.7797E-01	90-195	0.
60-75.00	0.4419E 03	-7.5 TO 97.5	0.2011E-02	82.5-187.5	0.	60	0-105	0.2294E-01	90-195	0.
75-90.00	0.4742E 03	-7.5 TO 97.5	0.1780E-03	82.5-187.5	0.	75	0-105	0.3395E-02	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 3.000 $\cosh \mu_1$ = 1.5000 $\cosh \mu_2$ = 1.5000 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 147.19

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7136E-02	-7.5 TO 7.5	0.2511E-02	82.5- 97.5	0.2140E-02	0	0- 15	0.2456E-02	90-105	0.2456E-02
15-30.00	0.2092E-01	-7.5 TO 7.5	0.1827E-02	82.5- 97.5	0.1313E-02	15	0- 15	0.2358E-02	90-105	0.1803E-02
30-45.00	0.3328E-01	-7.5 TO 7.5	0.8890E-03	82.5- 97.5	0.5519E-03	30	0- 15	0.1357E-02	90-105	0.8564E-03
45-60.00	0.4338E-01	-7.5 TO 7.5	0.2817E-03	82.5- 97.5	0.1295E-03	45	0- 15	0.5337E-03	90-105	0.2781E-03
60-75.00	0.5051E-01	-7.5 TO 7.5	0.1743E-04	82.5- 97.5	0.4541E-06	60	0- 15	0.9395E-04	90-105	0.5281E-05
75-90.00	0.5421E-01	-7.5 TO 7.5	0.	82.5- 97.5	0.	75	0- 15	0.	90-105	0.
0-15.00	0.1427E-01	-7.5 TO 22.5	0.2504E-02	82.5-112.5	0.2098E-02	0	0- 30	0.4913E-02	90-120	0.4913E-02
15-30.00	0.4185E-01	-7.5 TO 22.5	0.1816E-02	82.5-112.5	0.1261E-02	15	0- 30	0.4676E-02	90-120	0.3535E-02
30-45.00	0.6657E-01	-7.5 TO 22.5	0.8817E-03	82.5-112.5	0.5204E-03	30	0- 30	0.2675E-02	90-120	0.1632E-02
45-60.00	0.8675E-01	-7.5 TO 22.5	0.2783E-03	82.5-112.5	0.1168E-03	45	0- 30	0.1047E-02	90-120	0.5171E-03
60-75.00	0.1010E 00	-7.5 TO 22.5	0.1677E-04	82.5-112.5	0.5348E-06	60	0- 30	0.1798E-03	90-120	0.1217E-04
75-90.00	0.1084E 00	-7.5 TO 22.5	0.	82.5-112.5	0.	75	0- 30	0.	90-120	0.
0-15.00	0.2141E-01	-7.5 TO 37.5	0.2488E-02	82.5-127.5	0.2060E-02	0	0- 45	0.7369E-02	90-135	0.7369E-02
15-30.00	0.6277E-01	-7.5 TO 37.5	0.1792E-02	82.5-127.5	0.1215E-02	15	0- 45	0.6922E-02	90-135	0.5123E-02
30-45.00	0.9985E-01	-7.5 TO 37.5	0.8655E-03	82.5-127.5	0.4925E-03	30	0- 45	0.3923E-02	90-135	0.2342E-02
45-60.00	0.1301E 00	-7.5 TO 37.5	0.2708E-03	82.5-127.5	0.1054E-03	45	0- 45	0.1523E-02	90-135	0.7253E-03
60-75.00	0.1515E 00	-7.5 TO 37.5	0.1541E-04	82.5-127.5	0.3971E-06	60	0- 45	0.2510E-03	90-135	0.1217E-04
75-90.00	0.1626E 00	-7.5 TO 37.5	0.	82.5-127.5	0.	75	0- 45	0.	90-135	0.
0-15.00	0.2855E-01	-7.5 TO 52.5	0.2465E-02	82.5-142.5	0.2025E-02	0	0- 60	0.9825E-02	90-150	0.9825E-02
15-30.00	0.8369E-01	-7.5 TO 52.5	0.1758E-02	82.5-142.5	0.1174E-02	15	0- 60	0.9069E-02	90-150	0.5574E-02
30-45.00	0.1331E 00	-7.5 TO 52.5	0.8421E-03	82.5-142.5	0.4686E-03	30	0- 60	0.5078E-02	90-150	0.3203E-02
45-60.00	0.1735E 00	-7.5 TO 52.5	0.2600E-03	82.5-142.5	0.9588E-04	45	0- 60	0.1952E-02	90-150	0.9109E-03
60-75.00	0.2021E 00	-7.5 TO 52.5	0.1358E-04	82.5-142.5	0.2978E-06	60	0- 60	0.3033E-03	90-150	0.1217E-04
75-90.00	0.2168E 00	-7.5 TO 52.5	0.	82.5-142.5	0.	75	0- 60	0.	90-150	0.
0-15.00	0.3568E-01	-7.5 TO 67.5	0.2435E-02	82.5-157.5	0.1996E-02	0	0- 75	0.1228E-01	90-165	0.1228E-01
15-30.00	0.1046E 00	-7.5 TO 67.5	0.1715E-02	82.5-157.5	0.1140E-02	15	0- 75	0.1110E-01	90-165	0.8192E-02
30-45.00	0.1664E 00	-7.5 TO 67.5	0.8134E-03	82.5-157.5	0.4485E-03	30	0- 75	0.6130E-02	90-165	0.3632E-02
45-60.00	0.2169E 00	-7.5 TO 67.5	0.2469E-03	82.5-157.5	0.8822E-04	45	0- 75	0.2327E-02	90-165	0.1382E-02
60-75.00	0.2526E 00	-7.5 TO 67.5	0.1162E-04	82.5-157.5	0.2382E-06	60	0- 75	0.3354E-03	90-165	0.1217E-04
75-90.00	0.2710E 00	-7.5 TO 67.5	0.	82.5-157.5	0.	75	0- 75	0.	90-165	0.
0-15.00	0.4282E-01	-7.5 TO 82.5	0.2400E-02	82.5-172.5	0.1971E-02	0	0- 90	0.1474E-01	90-180	0.1474E-01
15-30.00	0.1255E 00	-7.5 TO 82.5	0.1667E-02	82.5-172.5	0.1112E-02	15	0- 90	0.1302E-01	90-180	0.9657E-02
30-45.00	0.1997E 00	-7.5 TO 82.5	0.7818E-03	82.5-172.5	0.4324E-03	30	0- 90	0.7081E-02	90-180	0.4245E-02
45-60.00	0.2603E 00	-7.5 TO 82.5	0.2326E-03	82.5-172.5	0.8224E-04	45	0- 90	0.2652E-02	90-180	0.1243E-02
60-75.00	0.3031E 00	-7.5 TO 82.5	0.9946E-05	82.5-172.5	0.1985E-06	60	0- 90	0.3480E-03	90-180	0.1217E-04
75-90.00	0.3252E 00	-7.5 TO 82.5	0.	82.5-172.5	0.	75	0- 90	0.	90-180	0.
0-15.00	0.4996E-01	-7.5 TO 97.5	0.2363E-02	82.5-187.5	0.1953E-02	0	0-105	0.1719E-01	90-195	0.1719E-01
15-30.00	0.1465E 00	-7.5 TO 97.5	0.1616E-02	82.5-187.5	0.1091E-02	15	0-105	0.1482E-01	90-195	0.1115E-01
30-45.00	0.2330E 00	-7.5 TO 97.5	0.7489E-03	82.5-187.5	0.4201E-03	30	0-105	0.7937E-02	90-195	0.4858E-02
45-60.00	0.3036E 00	-7.5 TO 97.5	0.2178E-03	82.5-187.5	0.7774E-04	45	0-105	0.2930E-02	90-195	0.1409E-02
60-75.00	0.3536E 00	-7.5 TO 97.5	0.8590E-05	82.5-187.5	0.1702E-06	60	0-105	0.3533E-03	90-195	0.1217E-04
75-90.00	0.3794E 00	-7.5 TO 97.5	0.	82.5-187.5	0.	75	0-105	0.	90-195	0.

r_2/r_1 = 1.00 d/r_1 = 3.000 $\cosh \mu_1$ = 1.5000 $\cosh \mu_2$ = 1.5000 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 118.14

0-15.00	0.7136E-02	-7.5 TO 7.5	0.7867E-02	82.5- 97.5	0.5988E-02	0	0- 15	0.6782E-02	90-105	0.6782E-02
15-30.00	0.2092E-01	-7.5 TO 7.5	0.6833E-02	82.5- 97.5	0.3832E-02	15	0- 15	0.7907E-02	90-105	0.5711E-02
30-45.00	0.3328E-01	-7.5 TO 7.5	0.3999E-02	82.5- 97.5	0.1714E-02	30	0- 15	0.5584E-02	90-105	0.2493E-02
45-60.00	0.4338E-01	-7.5 TO 7.5	0.1604E-02	82.5- 97.5	0.4425E-03	45	0- 15	0.2661E-02	90-105	0.8465E-03
60-75.00	0.5051E-01	-7.5 TO 7.5	0.2764E-03	82.5- 97.5	0.3671E-05	60	0- 15	0.7735E-03	90-105	0.2431E-04
75-90.00	0.5421E-01	-7.5 TO 7.5	0.2242E-06	82.5- 97.5	0.	75	0- 15	0.2586E-05	90-105	0.
0-15.00	0.1427E-01	-7.5 TO 22.5	0.7829E-02	82.5-112.5	0.5795E-02	0	0- 30	0.1356E-01	90-120	0.1355E-01
15-30.00	0.4185E-01	-7.5 TO 22.5	0.6762E-02	82.5-112.5	0.3581E-02	15	0- 30	0.1559E-01	90-120	0.9553E-02
30-45.00	0.6657E-01	-7.5 TO 22.5	0.3940E-02	82.5-112.5	0.1549E-02	30	0- 30	0.1089E-01	90-120	0.4567E-02
45-60.00	0.8675E-01	-7.5 TO 22.5	0.1573E-02	82.5-112.5	0.3703E-03	45	0- 30	0.5147E-02	90-120	0.1491E-02
60-75.00	0.1010E 00	-7.5 TO 22.5	0.2655E-03	82.5-112.5	0.3076E-05	60	0- 30	0.1468E-02	90-120	0.5354E-04
75-90.00	0.1084E 00	-7.5 TO 22.5	0.1574E-06	82.5-112.5	0.	75	0- 30	0.2760E-05	90-120	0.
0-15.00	0.2141E-01	-7.5 TO 37.5	0.7743E-02	82.5-127.5	0.5621E-02	0	0- 45	0.2035E-01	90-135	0.2035E-01
15-30.00	0.6277E-01	-7.5 TO 37.5	0.6607E-02	82.5-127.5	0.3363E-02	15	0- 45	0.2286E-01	90-135	0.1373E-01
30-45.00	0.9985E-01	-7.5 TO 37.5	0.3813E-02	82.5-127.5	0.1410E-02	30	0- 45	0.1569E-01	90-135	0.6358E-02
45-60.00	0.1301E 00	-7.5 TO 37.5	0.1506E-02	82.5-127.5	0.3121E-03	45	0- 45	0.7326E-02	90-135	0.1991E-02
60-75.00	0.1515E 00	-7.5 TO 37.5	0.2428E-03	82.5-127.5	0.2225E-05	60	0- 45	0.2025E-02	90-135	0.5364E-04
75-90.00	0.1626E 00	-7.5 TO 37.5	0.1054E-06	82.5-127.5	0.	75	0- 45	0.2760E-05	90-135	0.
0-15.00	0.2855E-01	-7.5 TO 52.5	0.7618E-02	82.5-142.5	0.5468E-02	0	0- 60	0.2713E-01	90-150	0.2713E-01
15-30.00	0.8369E-01	-7.5 TO 52.5	0.6388E-02	82.5-142.5	0.3180E-02	15	0- 60	0.2959E-01	90-150	0.1753E-01
30-45.00	0.1331E 00	-7.5 TO 52.5	0.3635E-02	82.5-142.5	0.1296E-02	30	0- 60	0.1988E-01	90-150	0.7941E-02
45-60.00	0.1735E 00	-7.5 TO 52.5	0.1413E-02	82.5-142.5	0.2680E-03	45	0- 60	0.9135E-02	90-150	0.2396E-02
60-75.00	0.2021E 00	-7.5 TO 52.5	0.2136E-03	82.5-142.5	0.1669E-05	60	0- 60	0.2419E-02	90-150	0.5364E-04
75-90.00	0.2168E 00	-7.5 TO 52.5	0.7908E-07	82.5-142.5	0.	75	0- 60	0.2760E-05	90-150	0.
0-15.00	0.3568E-01	-7.5 TO 67.5	0.7463E-02	82.5-157.5	0.5338E-02	0	0- 75	0.3391E-01	90-165	0.3391E-01
15-30.00	0.1046E 00	-7.5 TO 67.5	0.6125E-02	82.5-157.5	0.3028E-02	15	0- 75	0.3574E-01	90-165	0.2134E-01
30-45.00	0.1664E 00	-7.5 TO 67.5	0.3429E-02	82.5-157.5	0.1204E-02	30	0- 75	0.2344E-01	90-165	0.9392E-02
45-60.00	0.2169E 00	-7.5 TO 67.5	0.1306E-02	82.5-157.5	0.2349E-03	45	0- 75	0.1057E-01	90-165	0.2737E-02
60-75.00	0.2526E 00	-7.5 TO 67.5	0.1836E-03	82.5-157.5	0.1335E-05	60	0- 75	0.2653E-02	90-165	0.5364E-04
75-90.00	0.2710E 00	-7.5 TO 67.5	0.6327E-07	82.5-157.5	0.	75	0- 75	0.2760E-05	90-155	0.
0-15.00	0.4282E-01	-7.5 TO 82.5	0.7287E-02	82.5-172.5	0.5232E-02	0	0- 90	0.4069E-01	90-180	0.4069E-01
15-30.00	0.1255E 00	-7.5 TO 82.5	0.5842E-02	82.5-172.5	0.2907E-02	15	0- 90	0.4129E-01	90-180	0.2495E-01
30-45.00	0.1997E 00	-7.5 TO 82.5	0.3212E-02	82.5-172.5	0.1132E-02	30	0- 90	0.2641E-01	90-180	0.1178E-01
45-60.00	0.2603E 00	-7.5 TO 82.5	0.1195E-02	82.5-172.5	0.2101E-03	45	0- 90	0.1169E-01	90-180	0.3053E-02
60-75.00	0.3031E 00	-7.5 TO 82.5	0.1565E-03	82.5-172.5	0.1113E-05	60	0- 90	0.2752E-02	90-180	0.5364E-04
75-90.00	0.3252E 00	-7.5 TO 82.5	0.5272E-07	82.5-172.5	0.	75	0- 90	0.2760E-05	90-180	0.
0-15.00	0.4996E-01	-7.5 TO 97.5	0.7102E-02	82.5-187.5	0.5152E-02	0	0-105	0.4747E-01	90-195	0.4747E-01
15-30.00	0.1465E 00	-7.5 TO 97.5	0.5555E-02	82.5-187.5	0.2815E-02	15	0-105	0.4630E-01	90-195	0.2859E-01
30-45.00	0.2330E 00	-7.5 TO 97.5	0.2998E-02	82.5-187.5	0.1077E-02	30	0-105	0.2889E-01	90-195	0.1217E-01
45-60.00	0.3036E 00	-7.5 TO 97.5	0.1087E-02	82.5-187.5	0.1916E-03	45	0-105	0.1253E-01	90-195	0.3358E-02
60-75.00	0.3536E 00	-7.5 TO 97.5	0.1347E-03	82.5-187.5	0.9537E-06	60	0-105	0.2776E-02	90-195	0.5364E-04
75-90.00	0.3794E 00	-7.5 TO 97.5	0.4519E-07	82.5-187.5	0.	75	0-105	0.2760E-05	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

$r_2/r_1 = 1.00$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.5000$ $\cosh \mu_2 = 1.5000$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 94.39$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7136E-02	-7.5 TO 7.5	0.1201E-01	82.5- 97.5	0.8562E-02	0	0- 15	0.9594E-02	90-105	0.9594E-02
15-30.00	0.2092E-01	-7.5 TO 7.5	0.1178E-01	82.5- 97.5	0.5681E-02	15	0- 15	0.1259E-01	90-105	0.7153E-02
30-45.00	0.3328E-01	-7.5 TO 7.5	0.7970E-02	82.5- 97.5	0.2696E-02	30	0- 15	0.1033E-01	90-105	0.3685E-02
45-60.00	0.4338E-01	-7.5 TO 7.5	0.3782E-02	82.5- 97.5	0.7684E-03	45	0- 15	0.5753E-02	90-105	0.1332E-32
60-75.00	0.5051E-01	-7.5 TO 7.5	0.1018E-02	82.5- 97.5	0.1090E-04	60	0- 15	0.2135E-02	90-105	0.5550E-04
75-90.00	0.5421E-01	-7.5 TO 7.5	0.3707E-04	82.5- 97.5	0.	75	0- 15	0.2253E-03	90-105	0.
0-15.00	0.1427E-01	-7.5 TO 22.5	0.1194E-01	82.5-112.5	0.8222E-02	0	0- 30	0.1919E-01	90-120	0.1919E-01
15-30.00	0.4185E-01	-7.5 TO 22.5	0.1163E-01	82.5-112.5	0.5217E-02	15	0- 30	0.2474E-01	90-120	0.1349E-31
30-45.00	0.6657E-01	-7.5 TO 22.5	0.7822E-02	82.5-112.5	0.2369E-02	30	0- 30	0.2001E-01	90-120	0.6636E-32
45-60.00	0.8675E-01	-7.5 TO 22.5	0.3692E-02	82.5-112.5	0.6149E-03	45	0- 30	0.1109E-01	90-120	0.2266E-32
60-75.00	0.1010E 00	-7.5 TO 22.5	0.9781E-03	82.5-112.5	0.7441E-05	60	0- 30	0.4027E-02	90-120	0.1009E-33
75-90.00	0.1084E 00	-7.5 TO 22.5	0.3302E-04	82.5-112.5	0.	75	0- 30	0.3805E-03	90-120	0.
0-15.00	0.2141E-01	-7.5 TO 37.5	0.1178E-01	82.5-127.5	0.7918E-02	0	0- 45	0.2878E-01	90-135	0.2878E-01
15-30.00	0.6277E-01	-7.5 TO 37.5	0.1130E-01	82.5-127.5	0.4824E-02	15	0- 45	0.3610E-01	90-135	0.1918E-31
30-45.00	0.9985E-01	-7.5 TO 37.5	0.7504E-02	82.5-127.5	0.2104E-02	30	0- 45	0.2856E-01	90-135	0.9058E-02
45-60.00	0.1301E 00	-7.5 TO 37.5	0.3500E-02	82.5-127.5	0.4997E-03	45	0- 45	0.1549E-01	90-135	0.2934E-32
60-75.00	0.1515E 00	-7.5 TO 37.5	0.8956E-03	82.5-127.5	0.5236E-05	60	0- 45	0.5510E-02	90-135	0.1098E-33
75-90.00	0.1626E 00	-7.5 TO 37.5	0.2595E-04	82.5-127.5	0.	75	0- 45	0.4386E-03	90-135	0.
0-15.00	0.2855E-01	-7.5 TO 52.5	0.1155E-01	82.5-142.5	0.7653E-02	0	0- 60	0.3837E-01	90-150	0.3837E-01
15-30.00	0.8369E-01	-7.5 TO 52.5	0.1083E-01	82.5-142.5	0.4497E-02	15	0- 60	0.4643E-01	90-150	0.2533E-31
30-45.00	0.1331E 00	-7.5 TO 52.5	0.7071E-02	82.5-142.5	0.1892E-02	30	0- 60	0.3575E-01	90-150	0.1112E-31
45-60.00	0.1735E 00	-7.5 TO 52.5	0.3242E-02	82.5-142.5	0.4167E-03	45	0- 60	0.1902E-01	90-150	0.3435E-32
60-75.00	0.2021E 00	-7.5 TO 52.5	0.7886E-03	82.5-142.5	0.3927E-05	60	0- 60	0.6528E-02	90-150	0.1098E-33
75-90.00	0.2168E 00	-7.5 TO 52.5	0.1994E-04	82.5-142.5	0.	75	0- 60	0.4421E-03	90-150	0.
0-15.00	0.3568E-01	-7.5 TO 67.5	0.1126E-01	82.5-157.5	0.7430E-02	0	0- 75	0.4797E-01	90-165	0.4797E-01
15-30.00	0.1046E 00	-7.5 TO 67.5	0.1029E-01	82.5-157.5	0.4230E-02	15	0- 75	0.5564E-01	90-165	0.2933E-31
30-45.00	0.1664E 00	-7.5 TO 67.5	0.6579E-02	82.5-157.5	0.1725E-02	30	0- 75	0.4159E-01	90-165	0.1296E-01
45-60.00	0.2169E 00	-7.5 TO 67.5	0.2953E-02	82.5-157.5	0.3566E-03	45	0- 75	0.2165E-01	90-165	0.3841E-32
60-75.00	0.2526E 00	-7.5 TO 67.5	0.6775E-03	82.5-157.5	0.3142E-05	60	0- 75	0.7120E-02	90-165	0.1008E-33
75-90.00	0.2710E 00	-7.5 TO 67.5	0.1596E-04	82.5-157.5	0.	75	0- 75	0.4421E-03	90-165	0.
0-15.00	0.4282E-01	-7.5 TO 82.5	0.1093E-01	82.5-172.5	0.7249E-02	0	0- 90	0.5756E-01	90-180	0.5755E-01
15-30.00	0.1255E 00	-7.5 TO 82.5	0.9707E-02	82.5-172.5	0.4019E-02	15	0- 90	0.6376E-01	90-180	0.3405E-01
30-45.00	0.1997E 00	-7.5 TO 82.5	0.6075E-02	82.5-172.5	0.1596E-02	30	0- 90	0.4624E-01	90-180	0.1473E-01
45-60.00	0.2603E 00	-7.5 TO 82.5	0.2664E-32	82.5-172.5	0.3126E-03	45	0- 90	0.2355E-01	90-180	0.4203E-32
60-75.00	0.3031E 00	-7.5 TO 82.5	0.5776E-03	82.5-172.5	0.2618E-05	60	0- 90	0.7375E-02	90-180	0.1308E-33
75-90.00	0.3252E 00	-7.5 TO 82.5	0.1330E-04	82.5-172.5	0.	75	0- 90	0.4421E-03	90-180	0.
0-15.00	0.4996E-01	-7.5 TO 97.5	0.1059E-01	82.5-187.5	0.7111E-02	0	0-105	0.6716E-01	90-195	0.6716E-01
15-30.00	0.1465E 00	-7.5 TO 97.5	0.9132E-02	82.5-187.5	0.3859E-02	15	0-105	0.7092E-01	90-195	0.3392E-31
30-45.00	0.2330E 00	-7.5 TO 97.5	0.5593E-02	82.5-187.5	0.1498E-02	30	0-105	0.4992E-01	90-195	0.1644E-01
45-60.00	0.3036E 00	-7.5 TO 97.5	0.2393E-02	82.5-187.5	0.2802E-03	45	0-105	0.2488E-01	90-195	0.4565E-32
60-75.00	0.3536E 00	-7.5 TO 97.5	0.4967E-03	82.5-187.5	0.2244E-05	60	0-105	0.7431E-02	90-195	0.1098E-33
75-90.00	0.3794E 00	-7.5 TO 97.5	0.1140E-04	82.5-187.5	0.	75	0-105	0.4421E-03	90-195	0.

$r_2/r_1 = 1.00$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.5000$ $\cosh \mu_2 = 1.5000$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 75.52$

0-15.00	0.7136E-02	-7.5 TO 7.5	0.1373E-01	82.5- 97.5	0.9347E-02	0	0- 15	0.1042E-01	90-105	0.1042E-01
15-30.00	0.2092E-01	-7.5 TO 7.5	0.1452E-01	82.5- 97.5	0.6329E-02	15	0- 15	0.1476E-01	90-105	0.7781E-32
30-45.00	0.3328E-01	-7.5 TO 7.5	0.1081E-01	82.5- 97.5	0.3121E-02	30	0- 15	0.1331E-01	90-105	0.4093E-32
45-60.00	0.4338E-01	-7.5 TO 7.5	0.5726E-32	82.5- 97.5	0.9531E-03	45	0- 15	0.8236E-02	90-105	0.1539E-32
60-75.00	0.5051E-01	-7.5 TO 7.5	0.1896E-02	82.5- 97.5	0.2229E-04	60	0- 15	0.3515E-02	90-105	0.8568E-34
75-90.00	0.5421E-01	-7.5 TO 7.5	0.1691E-03	82.5- 97.5	0.	75	0- 15	0.6515E-03	90-105	0.
0-15.00	0.1427E-01	-7.5 TO 22.5	0.1363E-01	82.5-112.5	0.8927E-02	0	0- 30	0.2083E-01	90-120	0.2083E-01
15-30.00	0.4185E-01	-7.5 TO 22.5	0.1431E-01	82.5-112.5	0.5738E-02	15	0- 30	0.2895E-01	90-120	0.1455E-31
30-45.00	0.6657E-01	-7.5 TO 22.5	0.1058E-01	82.5-112.5	0.2687E-02	30	0- 30	0.2569E-01	90-120	0.7254E-02
45-60.00	0.8675E-01	-7.5 TO 22.5	0.5574E-02	82.5-112.5	0.7414E-03	45	0- 30	0.1571E-01	90-120	0.2555E-32
60-75.00	0.1010E 00	-7.5 TO 22.5	0.1823E-02	82.5-112.5	0.1361E-04	60	0- 30	0.6602E-02	90-120	0.1333E-33
75-90.00	0.1084E 00	-7.5 TO 22.5	0.1548E-03	82.5-112.5	0.	75	0- 30	0.1146E-02	90-120	0.
0-15.00	0.2141E-01	-7.5 TO 37.5	0.1343E-01	82.5-127.5	0.8554E-02	0	0- 45	0.3125E-01	90-135	0.3125E-01
15-30.00	0.6277E-01	-7.5 TO 37.5	0.1386E-01	82.5-127.5	0.5249E-02	15	0- 45	0.4210E-01	90-135	0.2055E-31
30-45.00	0.9985E-01	-7.5 TO 37.5	0.1010E-01	82.5-127.5	0.2347E-02	30	0- 45	0.3645E-01	90-135	0.9783E-02
45-60.00	0.1301E 00	-7.5 TO 37.5	0.5255E-02	82.5-127.5	0.5904E-03	45	0- 45	0.2190E-01	90-135	0.3252E-32
60-75.00	0.1515E 00	-7.5 TO 37.5	0.1670E-02	82.5-127.5	0.9370E-05	60	0- 45	0.8982E-02	90-135	0.1338E-33
75-90.00	0.1626E 00	-7.5 TO 37.5	0.1287E-03	82.5-127.5	0.	75	0- 45	0.1494E-02	90-135	0.
0-15.00	0.2855E-01	-7.5 TO 52.5	0.1313E-01	82.5-142.5	0.8233E-02	0	0- 60	0.4167E-01	90-150	0.4167E-01
15-30.00	0.8369E-01	-7.5 TO 52.5	0.1322E-01	82.5-142.5	0.4851E-02	15	0- 60	0.5392E-01	90-150	0.2593E-31
30-45.00	0.1331E 00	-7.5 TO 52.5	0.9454E-02	82.5-142.5	0.2084E-02	30	0- 60	0.4530E-01	90-150	0.1193E-01
45-60.00	0.1735E 00	-7.5 TO 52.5	0.4831E-32	82.5-142.5	0.4858E-03	45	0- 60	0.2664E-01	90-150	0.3762E-32
60-75.00	0.2021E 00	-7.5 TO 52.5	0.1471E-02	82.5-142.5	0.7027E-05	60	0- 60	0.1058E-01	90-150	0.1338E-33
75-90.00	0.2168E 00	-7.5 TO 52.5	0.1019E-03	82.5-142.5	0.	75	0- 60	0.1467E-02	90-150	0.
0-15.00	0.3568E-01	-7.5 TO 67.5	0.1276E-01	82.5-157.5	0.7965E-02	0	0- 75	0.5208E-01	90-165	0.5208E-01
15-30.00	0.1046E 00	-7.5 TO 67.5	0.1248E-01	82.5-157.5	0.4532E-02	15	0- 75	0.6430E-01	90-165	0.3139E-31
30-45.00	0.1664E 00	-7.5 TO 67.5	0.8726E-02	82.5-157.5	0.1882E-02	30	0- 75	0.5228E-01	90-165	0.1377E-01
45-60.00	0.2169E 00	-7.5 TO 67.5	0.4366E-02	82.5-157.5	0.4121E-03	45	0- 75	0.3004E-01	90-165	0.4171E-32
60-75.00	0.2526E 00	-7.5 TO 67.5	0.1265E-02	82.5-157.5	0.5622E-05	60	0- 75	0.1149E-01	90-165	0.1333E-33
75-90.00	0.2710E 00	-7.5 TO 67.5	0.8187E-04	82.5-157.5	0.	75	0- 75	0.1468E-02	90-165	0.
0-15.00	0.4282E-01	-7.5 TO 82.5	0.1235E-01	82.5-172.5	0.7748E-02	0	0- 90	0.6250E-01	90-180	0.6253E-01
15-30.00	0.1255E 00	-7.5 TO 82.5	0.1170E-01	82.5-172.5	0.4282E-02	15	0- 90	0.7331E-01	90-180	0.3603E-31
30-45.00	0.1997E 00	-7.5 TO 82.5	0.7990E-02	82.5-172.5	0.1728E-02	30	0- 90	0.5765E-01	90-180	0.1553E-01
45-60.00	0.2603E 00	-7.5 TO 82.5	0.3905E-02	82.5-172.5	0.3589E-03	45	0- 90	0.3236E-01	90-180	0.4534E-32
60-75.00	0.3031E 00	-7.5 TO 82.5	0.1079E-02	82.5-172.5	0.4685E-05	60	0- 90	0.1187E-01	90-180	0.1338E-33
75-90.00	0.3252E 00	-7.5 TO 82.5	0.6822E-04	82.5-172.5	0.	75	0- 90	0.1468E-02	90-180	0.
0-15.00	0.4996E-01	-7.5 TO 97.5	0.1192E-01	82.5-187.5	0.7583E-02	0	0-105	0.7292E-01	90-195	0.7292E-01
15-30.00	0.1465E 00	-7.5 TO 97.5	0.1093E-01	82.5-187.5	0.4093E-02	15	0-105	0.8109E-01	90-195	0.4192E-31
30-45.00	0.2330E 00	-7.5 TO 97.5	0.7295E-02	82.5-187.5	0.1613E-02	30	0-105	0.6174E-01	90-195	0.1723E-31
45-60.00	0.3036E 00	-7.5 TO 97.5	0.3483E-02	82.5-187.5	0.3199E-03	45	0-105	0.3390E-01	90-195	0.4898E-02
60-75.00	0.3536E 00	-7.5 TO 97.5	0.9278E-03	82.5-187.5	0.4016E-05	60	0-105	0.1196E-01	90-195	0.1338E-33
75-90.00	0.3794E 00	-7.5 TO 97.5	0.5848E-04	82.5-187.5	0.	75	0-105	0.1468E-02	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 3.000 $\cosh \mu_1$ = 1.5000 $\cosh \mu_2$ = 1.5000 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 60.47

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7136E-02	-7.5 TO 7.5	0.1385E-01	82.5- 97.5	0.9348E-02	0	0- 15	0.1042E-01	90-105	0.1042E-01
15-30.00	0.2092E-01	-7.5 TO 7.5	0.1515E-01	82.5- 97.5	0.6336E-02	15	0- 15	0.1501E-01	90-105	0.7781E-02
30-45.00	0.3328E-01	-7.5 TO 7.5	0.1193E-01	82.5- 97.5	0.3138E-02	30	0- 15	0.1424E-01	90-105	0.4094E-02
45-60.00	0.4338E-01	-7.5 TO 7.5	0.6749E-02	82.5- 97.5	0.9704E-03	45	0- 15	0.9393E-02	90-105	0.1543E-02
60-75.00	0.5051E-01	-7.5 TO 7.5	0.2471E-02	82.5- 97.5	0.2568E-04	60	0- 15	0.4329E-02	90-105	0.8851E-04
75-90.00	0.5421E-01	-7.5 TO 7.5	0.3067E-03	82.5- 97.5	0.	75	0- 15	0.9829E-03	90-105	0.
0-15.00	0.1427E-01	-7.5 TO 22.5	0.1375E-01	82.5-112.5	0.8927E-02	0	0- 30	0.2083E-01	90-120	0.2083E-01
15-30.00	0.4185E-01	-7.5 TO 22.5	0.1491E-01	82.5-112.5	0.5742E-02	15	0- 30	0.2942E-01	90-120	0.1455E-01
30-45.00	0.6657E-01	-7.5 TO 22.5	0.1166E-01	82.5-112.5	0.2695E-02	30	0- 30	0.2739E-01	90-120	0.7255E-02
45-60.00	0.8675E-01	-7.5 TO 22.5	0.6558E-02	82.5-112.5	0.7506E-03	45	0- 30	0.1785E-01	90-120	0.2559E-02
60-75.00	0.1010E 00	-7.5 TO 22.5	0.2372E-02	82.5-112.5	0.1536E-04	60	0- 30	0.8104E-02	90-120	0.1366E-03
75-90.00	0.1084E 00	-7.5 TO 22.5	0.2822E-03	82.5-112.5	0.	75	0- 30	0.1742E-02	90-120	0.
0-15.00	0.2141E-01	-7.5 TO 37.5	0.1353E-01	82.5-127.5	0.8554E-02	0	0- 45	0.3125E-01	90-135	0.3125E-01
15-30.00	0.6277E-01	-7.5 TO 37.5	0.1440E-01	82.5-127.5	0.5252E-02	15	0- 45	0.4272E-01	90-135	0.2355E-01
30-45.00	0.9985E-01	-7.5 TO 37.5	0.1109E-01	82.5-127.5	0.2353E-02	30	0- 45	0.3870E-01	90-135	0.9782E-02
45-60.00	0.1301E 00	-7.5 TO 37.5	0.6156E-02	82.5-127.5	0.5965E-03	45	0- 45	0.2474E-01	90-135	0.3255E-02
60-75.00	0.1515E 00	-7.5 TO 37.5	0.2168E-02	82.5-127.5	0.1054E-04	60	0- 45	0.1097E-01	90-135	0.1356E-03
75-90.00	0.1626E 00	-7.5 TO 37.5	0.2372E-03	82.5-127.5	0.	75	0- 45	0.2164E-02	90-135	0.
0-15.00	0.2855E-01	-7.5 TO 52.5	0.1322E-01	82.5-142.5	0.8233E-02	0	0- 60	0.4167E-01	90-150	0.4167E-01
15-30.00	0.8369E-01	-7.5 TO 52.5	0.1370E-01	82.5-142.5	0.4853E-02	15	0- 60	0.5463E-01	90-150	0.2503E-01
30-45.00	0.1331E 00	-7.5 TO 52.5	0.1033E-01	82.5-142.5	0.2089E-02	30	0- 60	0.4785E-01	90-150	0.1197E-01
45-60.00	0.1735E 00	-7.5 TO 52.5	0.5626E-02	82.5-142.5	0.4994E-03	45	0- 60	0.2988E-01	90-150	0.3755E-02
60-75.00	0.2021E 00	-7.5 TO 52.5	0.1906E-02	82.5-142.5	0.7902E-05	60	0- 60	0.1284E-01	90-150	0.1366E-03
75-90.00	0.2168E 00	-7.5 TO 52.5	0.1901E-03	82.5-142.5	0.	75	0- 60	0.2292E-02	90-150	0.
0-15.00	0.3568E-01	-7.5 TO 67.5	0.1284E-01	82.5-157.5	0.7965E-02	0	0- 75	0.5208E-01	90-165	0.5208E-01
15-30.00	0.1046E 00	-7.5 TO 67.5	0.1290E-01	82.5-157.5	0.4534E-02	15	0- 75	0.6505E-01	90-165	0.3109E-01
30-45.00	0.1664E 00	-7.5 TO 67.5	0.9475E-02	82.5-157.5	0.1886E-02	30	0- 75	0.5496E-01	90-165	0.1377E-01
45-60.00	0.2169E 00	-7.5 TO 67.5	0.5048E-02	82.5-157.5	0.4158E-03	45	0- 75	0.3345E-01	90-165	0.4175E-02
60-75.00	0.2526E 00	-7.5 TO 67.5	0.1634E-02	82.5-157.5	0.6322E-05	60	0- 75	0.1386E-01	90-165	0.1366E-03
75-90.00	0.2710E 00	-7.5 TO 67.5	0.1532E-03	82.5-157.5	0.	75	0- 75	0.2300E-02	90-165	0.
0-15.00	0.4282E-01	-7.5 TO 82.5	0.1242E-01	82.5-172.5	0.7748E-02	0	0- 90	0.6250E-01	90-180	0.6250E-01
15-30.00	0.1255E 00	-7.5 TO 82.5	0.1206E-01	82.5-172.5	0.4284E-02	15	0- 90	0.7406E-01	90-180	0.3509E-01
30-45.00	0.1997E 00	-7.5 TO 82.5	0.8630E-02	82.5-172.5	0.1731E-02	30	0- 90	0.6036E-01	90-180	0.1553E-01
45-60.00	0.2603E 00	-7.5 TO 82.5	0.4489E-02	82.5-172.5	0.3620E-03	45	0- 90	0.3602E-01	90-180	0.4539E-02
60-75.00	0.3031E 00	-7.5 TO 82.5	0.1391E-02	82.5-172.5	0.5268E-05	60	0- 90	0.1427E-01	90-180	0.1366E-03
75-90.00	0.3252E 00	-7.5 TO 82.5	0.1277E-03	82.5-172.5	0.	75	0- 90	0.2300E-02	90-180	0.
0-15.00	0.4996E-01	-7.5 TO 97.5	0.1198E-01	82.5-187.5	0.7583E-02	0	0-105	0.7292E-01	90-195	0.7292E-01
15-30.00	0.1465E 00	-7.5 TO 97.5	0.1124E-01	82.5-187.5	0.4094E-02	15	0-105	0.8184E-01	90-195	0.4992E-01
30-45.00	0.2330E 00	-7.5 TO 97.5	0.7845E-02	82.5-187.5	0.1615E-02	30	0-105	0.6445E-01	90-195	0.1729E-01
45-60.00	0.3036E 00	-7.5 TO 97.5	0.3986E-02	82.5-187.5	0.3225E-03	45	0-105	0.3736E-01	90-195	0.4992E-02
60-75.00	0.3536E 00	-7.5 TO 97.5	0.1196E-02	82.5-187.5	0.4516E-05	60	0-105	0.1436E-01	90-195	0.1366E-03
75-90.00	0.3794E 00	-7.5 TO 97.5	0.1095E-03	82.5-187.5	0.	75	0-105	0.2300E-02	90-195	0.

r_2/r_1 = 1.00 d/r_1 = 3.000 $\cosh \mu_1$ = 1.5000 $\cosh \mu_2$ = 1.5000 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 48.19

0-15.00	0.7136E-02	-7.5 TO 7.5	0.1385E-01	82.5- 97.5	0.9348E-02	0	0- 15	0.1042E-01	90-105	0.1042E-01
15-30.00	0.2092E-01	-7.5 TO 7.5	0.1515E-01	82.5- 97.5	0.6336E-02	15	0- 15	0.1501E-01	90-105	0.7781E-02
30-45.00	0.3328E-01	-7.5 TO 7.5	0.1199E-01	82.5- 97.5	0.3138E-02	30	0- 15	0.1424E-01	90-105	0.4094E-02
45-60.00	0.4338E-01	-7.5 TO 7.5	0.6915E-02	82.5- 97.5	0.9704E-03	45	0- 15	0.9514E-02	90-105	0.1563E-02
60-75.00	0.5051E-01	-7.5 TO 7.5	0.2618E-02	82.5- 97.5	0.2568E-04	60	0- 15	0.4504E-02	90-105	0.8851E-04
75-90.00	0.5421E-01	-7.5 TO 7.5	0.3551E-03	82.5- 97.5	0.	75	0- 15	0.1083E-02	90-105	0.
0-15.00	0.1427E-01	-7.5 TO 22.5	0.1375E-01	82.5-112.5	0.8927E-02	0	0- 30	0.2083E-01	90-120	0.2083E-01
15-30.00	0.4185E-01	-7.5 TO 22.5	0.1491E-01	82.5-112.5	0.5742E-02	15	0- 30	0.2942E-01	90-120	0.1455E-01
30-45.00	0.6657E-01	-7.5 TO 22.5	0.1172E-01	82.5-112.5	0.2695E-02	30	0- 30	0.2740E-01	90-120	0.7255E-02
45-60.00	0.8675E-01	-7.5 TO 22.5	0.6710E-02	82.5-112.5	0.7506E-03	45	0- 30	0.1805E-01	90-120	0.2559E-02
60-75.00	0.1010E 00	-7.5 TO 22.5	0.2509E-02	82.5-112.5	0.1536E-04	60	0- 30	0.8403E-02	90-120	0.1366E-03
75-90.00	0.1084E 00	-7.5 TO 22.5	0.3262E-03	82.5-112.5	0.	75	0- 30	0.1914E-02	90-120	0.
0-15.00	0.2141E-01	-7.5 TO 37.5	0.1353E-01	82.5-127.5	0.8554E-02	0	0- 45	0.3125E-01	90-135	0.3125E-01
15-30.00	0.6277E-01	-7.5 TO 37.5	0.1440E-01	82.5-127.5	0.5252E-02	15	0- 45	0.4272E-01	90-135	0.2355E-01
30-45.00	0.9985E-01	-7.5 TO 37.5	0.1114E-01	82.5-127.5	0.2353E-02	30	0- 45	0.3870E-01	90-135	0.9782E-02
45-60.00	0.1301E 00	-7.5 TO 37.5	0.6285E-02	82.5-127.5	0.5965E-03	45	0- 45	0.2497E-01	90-135	0.3256E-02
60-75.00	0.1515E 00	-7.5 TO 37.5	0.2285E-02	82.5-127.5	0.1054E-04	60	0- 45	0.1133E-01	90-135	0.1366E-03
75-90.00	0.1626E 00	-7.5 TO 37.5	0.2795E-03	82.5-127.5	0.	75	0- 45	0.2369E-02	90-135	0.
0-15.00	0.2855E-01	-7.5 TO 52.5	0.1322E-01	82.5-142.5	0.8233E-02	0	0- 60	0.4167E-01	90-150	0.4167E-01
15-30.00	0.8369E-01	-7.5 TO 52.5	0.1370E-01	82.5-142.5	0.4853E-02	15	0- 60	0.5463E-01	90-150	0.2503E-01
30-45.00	0.1331E 00	-7.5 TO 52.5	0.1036E-01	82.5-142.5	0.2089E-02	30	0- 60	0.4786E-01	90-150	0.1197E-01
45-60.00	0.1735E 00	-7.5 TO 52.5	0.5728E-02	82.5-142.5	0.4994E-03	45	0- 60	0.3011E-01	90-150	0.3766E-02
60-75.00	0.2021E 00	-7.5 TO 52.5	0.2001E-02	82.5-142.5	0.7902E-05	60	0- 60	0.1321E-01	90-150	0.1355E-03
75-90.00	0.2168E 00	-7.5 TO 52.5	0.2188E-03	82.5-142.5	0.	75	0- 60	0.2505E-02	90-150	0.
0-15.00	0.3568E-01	-7.5 TO 67.5	0.1284E-01	82.5-157.5	0.7965E-02	0	0- 75	0.5208E-01	90-165	0.5208E-01
15-30.00	0.1046E 00	-7.5 TO 67.5	0.1290E-01	82.5-157.5	0.4534E-02	15	0- 75	0.6505E-01	90-165	0.3109E-01
30-45.00	0.1664E 00	-7.5 TO 67.5	0.9502E-02	82.5-157.5	0.1886E-02	30	0- 75	0.5496E-01	90-165	0.1377E-01
45-60.00	0.2169E 00	-7.5 TO 67.5	0.5131E-02	82.5-157.5	0.4158E-03	45	0- 75	0.3368E-01	90-165	0.4175E-02
60-75.00	0.2526E 00	-7.5 TO 67.5	0.1711E-02	82.5-157.5	0.6322E-05	60	0- 75	0.1423E-01	90-165	0.1365E-03
75-90.00	0.2710E 00	-7.5 TO 67.5	0.1763E-03	82.5-157.5	0.	75	0- 75	0.2513E-02	90-165	0.
0-15.00	0.4282E-01	-7.5 TO 82.5	0.1242E-01	82.5-172.5	0.7748E-02	0	0- 90	0.6250E-01	90-180	0.6250E-01
15-30.00	0.1255E 00	-7.5 TO 82.5	0.1206E-01	82.5-172.5	0.4284E-02	15	0- 90	0.7406E-01	90-180	0.3609E-01
30-45.00	0.1997E 00	-7.5 TO 82.5	0.8652E-02	82.5-172.5	0.1731E-02	30	0- 90	0.6036E-01	90-180	0.1553E-01
45-60.00	0.2603E 00	-7.5 TO 82.5	0.4558E-02	82.5-172.5	0.3620E-03	45	0- 90	0.3605E-01	90-180	0.4539E-02
60-75.00	0.3031E 00	-7.5 TO 82.5	0.1455E-02	82.5-172.5	0.5268E-05	60	0- 90	0.1464E-01	90-180	0.1366E-03
75-90.00	0.3252E 00	-7.5 TO 82.5	0.1470E-03	82.5-172.5	0.	75	0- 90	0.2513E-02	90-180	0.
0-15.00	0.4996E-01	-7.5 TO 97.5	0.1198E-01	82.5-187.5	0.7583E-02	0	0-105	0.7292E-01	90-195	0.7292E-01
15-30.00	0.1465E 00	-7.5 TO 97.5	0.1124E-01	82.5-187.5	0.4094E-02	15	0-105	0.8184E-01	90-195	0.4992E-01
30-45.00	0.2330E 00	-7.5 TO 97.5	0.7864E-02	82.5-187.5	0.1615E-02	30	0-105	0.6446E-01	90-195	0.1729E-01
45-60.00	0.3036E 00	-7.5 TO 97.5	0.4045E-02	82.5-187.5	0.3225E-03	45	0-105	0.3759E-01	90-195	0.4992E-02
60-75.00	0.3536E 00	-7.5 TO 97.5	0.1251E-02	82.5-187.5	0.4516E-05	60	0-105	0.1473E-01	90-195	0.1365E-03
75-90.00	0.3794E 00	-7.5 TO 97.5	0.1260E-03	82.5-187.5	0.	75	0-105	0.2513E-02	90-195	0.

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 5.000 cosh μ_1 = 2.5000 cosh μ_2 = 2.5000 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 157.26

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1599E-02	-7.5 TO 7.5	0.2968E-03	82.5- 97.5	0.2873E-03	0	0- 15	0.3010E-03	90-105	0.3010E-03
15-30.00	0.4982E-02	-7.5 TO 7.5	0.2573E-03	82.5- 97.5	0.2390E-03	15	0- 15	0.2876E-03	90-105	0.2722E-03
30-45.00	0.7925E-02	-7.5 TO 7.5	0.1856E-03	82.5- 97.5	0.1648E-03	30	0- 15	0.2274E-03	90-105	0.2042E-03
45-60.00	0.1033E-01	-7.5 TO 7.5	0.1069E-03	82.5- 97.5	0.8972E-04	45	0- 15	0.1471E-03	90-105	0.1251E-03
60-75.00	0.1203E-01	-7.5 TO 7.5	0.3870E-04	82.5- 97.5	0.2738E-04	60	0- 15	0.7099E-04	90-105	0.5495E-04
75-90.00	0.1291E-01	-7.5 TO 7.5	0.9297E-06	82.5- 97.5	0.1499E-05	75	0- 15	0.1024E-04	90-105	0.8840E-06
0-15.00	0.3398E-02	-7.5 TO 22.5	0.2966E-03	82.5-112.5	0.2861E-03	0	0- 30	0.6020E-03	90-120	0.6020E-03
15-30.00	0.9963E-02	-7.5 TO 22.5	0.2570E-03	82.5-112.5	0.2358E-03	15	0- 30	0.5743E-03	90-120	0.5411E-03
30-45.00	0.1585E-01	-7.5 TO 22.5	0.1852E-03	82.5-112.5	0.1623E-03	30	0- 30	0.4533E-03	90-120	0.4036E-03
45-60.00	0.2066E-01	-7.5 TO 22.5	0.1065E-03	82.5-112.5	0.8759E-04	45	0- 30	0.2928E-03	90-120	0.2457E-03
60-75.00	0.2405E-01	-7.5 TO 22.5	0.3849E-04	82.5-112.5	0.2538E-04	60	0- 30	0.1409E-03	90-120	0.1057E-03
75-90.00	0.2581E-01	-7.5 TO 22.5	0.8988E-06	82.5-112.5	0.8383E-07	75	0- 30	0.1986E-04	90-120	0.9727E-06
0-15.00	0.5097E-02	-7.5 TO 37.5	0.2962E-03	82.5-127.5	0.2850E-03	0	0- 45	0.9030E-03	90-135	0.9030E-03
15-30.00	0.1495E-01	-7.5 TO 37.5	0.2563E-03	82.5-127.5	0.2345E-03	15	0- 45	0.8592E-03	90-135	0.8070E-03
30-45.00	0.2377E-01	-7.5 TO 37.5	0.1843E-03	82.5-127.5	0.1603E-03	30	0- 45	0.6765E-03	90-135	0.5987E-03
45-60.00	0.3098E-01	-7.5 TO 37.5	0.1058E-03	82.5-127.5	0.8579E-04	45	0- 45	0.4358E-03	90-135	0.3623E-03
60-75.00	0.3608E-01	-7.5 TO 37.5	0.3802E-04	82.5-127.5	0.2491E-04	60	0- 45	0.2089E-03	90-135	0.1556E-03
75-90.00	0.3872E-01	-7.5 TO 37.5	0.8407E-06	82.5-127.5	0.5722E-07	75	0- 45	0.2829E-04	90-135	0.1004E-05
0-15.00	0.6797E-02	-7.5 TO 52.5	0.2957E-03	82.5-142.5	0.2839E-03	0	0- 60	0.1204E-02	90-150	0.1204E-02
15-30.00	0.1993E-01	-7.5 TO 52.5	0.2552E-03	82.5-142.5	0.2327E-03	15	0- 60	0.1141E-02	90-150	0.1070E-02
30-45.00	0.3170E-01	-7.5 TO 52.5	0.1831E-03	82.5-142.5	0.1579E-03	30	0- 60	0.8957E-03	90-150	0.7903E-03
45-60.00	0.4131E-01	-7.5 TO 52.5	0.1048E-03	82.5-142.5	0.8438E-04	45	0- 60	0.5750E-03	90-150	0.4758E-03
60-75.00	0.4811E-01	-7.5 TO 52.5	0.3731E-04	82.5-142.5	0.2388E-04	60	0- 60	0.2741E-03	90-150	0.2023E-03
75-90.00	0.5163E-01	-7.5 TO 52.5	0.7780E-06	82.5-142.5	0.4335E-07	75	0- 60	0.3509E-04	90-150	0.1021E-05
0-15.00	0.8496E-02	-7.5 TO 67.5	0.2949E-03	82.5-157.5	0.2830E-03	0	0- 75	0.1505E-02	90-165	0.1505E-02
15-30.00	0.2491E-01	-7.5 TO 67.5	0.2537E-03	82.5-157.5	0.2310E-03	15	0- 75	0.1421E-02	90-165	0.1332E-02
30-45.00	0.3962E-01	-7.5 TO 67.5	0.1814E-03	82.5-157.5	0.1560E-03	30	0- 75	0.1110E-02	90-165	0.9795E-03
45-60.00	0.5164E-01	-7.5 TO 67.5	0.1034E-03	82.5-157.5	0.8251E-04	45	0- 75	0.7098E-03	90-165	0.5871E-03
60-75.00	0.6013E-01	-7.5 TO 67.5	0.3641E-04	82.5-157.5	0.2299E-04	60	0- 75	0.3360E-03	90-165	0.2475E-03
75-90.00	0.6453E-01	-7.5 TO 67.5	0.7727E-06	82.5-157.5	0.3492E-07	75	0- 75	0.3997E-04	90-165	0.1034E-05
0-15.00	0.1019E-01	-7.5 TO 82.5	0.2941E-03	82.5-172.5	0.2822E-03	0	0- 90	0.1806E-02	90-180	0.1806E-02
15-30.00	0.2989E-01	-7.5 TO 82.5	0.2521E-03	82.5-172.5	0.2296E-03	15	0- 90	0.1696E-02	90-180	0.1593E-02
30-45.00	0.4755E-01	-7.5 TO 82.5	0.1795E-03	82.5-172.5	0.1545E-03	30	0- 90	0.1320E-02	90-180	0.1168E-02
45-60.00	0.6197E-01	-7.5 TO 82.5	0.1018E-03	82.5-172.5	0.8139E-04	45	0- 90	0.8397E-03	90-180	0.6973E-03
60-75.00	0.7216E-01	-7.5 TO 82.5	0.3536E-04	82.5-172.5	0.2226E-04	60	0- 90	0.3945E-03	90-180	0.2920E-03
75-90.00	0.7744E-01	-7.5 TO 82.5	0.6435E-06	82.5-172.5	0.2925E-07	75	0- 90	0.4280E-04	90-180	0.1046E-05
0-15.00	0.1189E-01	-7.5 TO 97.5	0.2931E-03	82.5-187.5	0.2815E-03	0	0-105	0.2107E-02	90-195	0.2107E-02
15-30.00	0.3487E-01	-7.5 TO 97.5	0.2502E-03	82.5-187.5	0.2285E-03	15	0-105	0.1969E-02	90-195	0.1854E-02
30-45.00	0.5547E-01	-7.5 TO 97.5	0.1774E-03	82.5-187.5	0.1533E-03	30	0-105	0.1524E-02	90-195	0.1356E-02
45-60.00	0.7229E-01	-7.5 TO 97.5	0.1001E-03	82.5-187.5	0.8045E-04	45	0-105	0.9648E-03	90-195	0.8075E-03
60-75.00	0.8419E-01	-7.5 TO 97.5	0.3422E-04	82.5-187.5	0.2159E-04	60	0-105	0.4494E-03	90-195	0.3354E-03
75-90.00	0.9034E-01	-7.5 TO 97.5	0.5717E-06	82.5-187.5	0.2519E-07	75	0-105	0.4368E-04	90-195	0.1057E-05

r_2/r_1 = 1.00 d/r_1 = 5.000 cosh μ_1 = 2.5000 cosh μ_2 = 2.5000 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 135.48

0-15.00	0.1699E-02	-7.5 TO 7.5	0.1051E-02	82.5- 97.5	0.9881E-03	0	0- 15	0.1034E-02	90-105	0.1034E-02
15-30.00	0.4982E-02	-7.5 TO 7.5	0.9497E-03	82.5- 97.5	0.8251E-03	15	0- 15	0.1035E-02	90-105	0.9317E-03
30-45.00	0.7925E-02	-7.5 TO 7.5	0.7170E-03	82.5- 97.5	0.5727E-03	30	0- 15	0.8574E-03	90-105	0.6989E-03
45-60.00	0.1033E-01	-7.5 TO 7.5	0.4365E-03	82.5- 97.5	0.3146E-03	45	0- 15	0.5828E-03	90-105	0.4290E-03
60-75.00	0.1203E-01	-7.5 TO 7.5	0.1799E-03	82.5- 97.5	0.9788E-04	60	0- 15	0.3029E-03	90-105	0.1887E-03
75-90.00	0.1291E-01	-7.5 TO 7.5	0.1368E-04	82.5- 97.5	0.5509E-06	75	0- 15	0.6978E-04	90-105	0.3405E-05
0-15.00	0.3398E-02	-7.5 TO 22.5	0.1050E-02	82.5-112.5	0.9832E-03	0	0- 30	0.2068E-02	90-120	0.2068E-02
15-30.00	0.9963E-02	-7.5 TO 22.5	0.9474E-03	82.5-112.5	0.8133E-03	15	0- 30	0.2063E-02	90-120	0.1842E-02
30-45.00	0.1585E-01	-7.5 TO 22.5	0.7143E-03	82.5-112.5	0.5553E-03	30	0- 30	0.1704E-02	90-120	0.1355E-02
45-60.00	0.2066E-01	-7.5 TO 22.5	0.4341E-03	82.5-112.5	0.3012E-03	45	0- 30	0.1155E-02	90-120	0.8287E-03
60-75.00	0.2405E-01	-7.5 TO 22.5	0.1782E-03	82.5-112.5	0.8952E-04	60	0- 30	0.5978E-03	90-120	0.3565E-03
75-90.00	0.2581E-01	-7.5 TO 22.5	0.1323E-04	82.5-112.5	0.3744E-06	75	0- 30	0.1346E-03	90-120	0.3494E-05
0-15.00	0.5097E-02	-7.5 TO 37.5	0.1048E-02	82.5-127.5	0.9728E-03	0	0- 45	0.3103E-02	90-135	0.3103E-02
15-30.00	0.1495E-01	-7.5 TO 37.5	0.9423E-03	82.5-127.5	0.7955E-03	15	0- 45	0.3079E-02	90-135	0.2733E-02
30-45.00	0.2377E-01	-7.5 TO 37.5	0.7082E-03	82.5-127.5	0.5412E-03	30	0- 45	0.2532E-02	90-135	0.2005E-02
45-60.00	0.3098E-01	-7.5 TO 37.5	0.4288E-03	82.5-127.5	0.2891E-03	45	0- 45	0.1708E-02	90-135	0.1204E-02
60-75.00	0.3608E-01	-7.5 TO 37.5	0.1746E-03	82.5-127.5	0.8212E-04	60	0- 45	0.8776E-03	90-135	0.5071E-03
75-90.00	0.3872E-01	-7.5 TO 37.5	0.1228E-04	82.5-127.5	0.2539E-06	75	0- 45	0.1903E-03	90-135	0.3525E-05
0-15.00	0.6797E-02	-7.5 TO 52.5	0.1044E-02	82.5-142.5	0.9661E-03	0	0- 60	0.4137E-02	90-150	0.4137E-02
15-30.00	0.1993E-01	-7.5 TO 52.5	0.9346E-03	82.5-142.5	0.7841E-03	15	0- 60	0.4077E-02	90-150	0.3638E-02
30-45.00	0.3170E-01	-7.5 TO 52.5	0.6991E-03	82.5-142.5	0.5277E-03	30	0- 60	0.3332E-02	90-150	0.2625E-02
45-60.00	0.4131E-01	-7.5 TO 52.5	0.4210E-03	82.5-142.5	0.2783E-03	45	0- 60	0.2233E-02	90-150	0.1559E-02
60-75.00	0.4811E-01	-7.5 TO 52.5	0.1692E-03	82.5-142.5	0.7571E-04	60	0- 60	0.1137E-02	90-150	0.6443E-03
75-90.00	0.5163E-01	-7.5 TO 52.5	0.1096E-04	82.5-142.5	0.1886E-06	75	0- 60	0.2337E-03	90-150	0.3543E-05
0-15.00	0.8496E-02	-7.5 TO 67.5	0.1039E-02	82.5-157.5	0.9602E-03	0	0- 75	0.5171E-02	90-165	0.5171E-02
15-30.00	0.2491E-01	-7.5 TO 67.5	0.9247E-03	82.5-157.5	0.7733E-03	15	0- 75	0.5055E-02	90-165	0.4473E-02
30-45.00	0.3962E-01	-7.5 TO 67.5	0.6875E-03	82.5-157.5	0.5151E-03	30	0- 75	0.4099E-02	90-165	0.3229E-02
45-60.00	0.5164E-01	-7.5 TO 67.5	0.4111E-03	82.5-157.5	0.2691E-03	45	0- 75	0.2728E-02	90-165	0.1902E-02
60-75.00	0.6013E-01	-7.5 TO 67.5	0.1625E-03	82.5-157.5	0.7043E-04	60	0- 75	0.1373E-02	90-165	0.7727E-03
75-90.00	0.6453E-01	-7.5 TO 67.5	0.9493E-05	82.5-157.5	0.1511E-06	75	0- 75	0.2631E-03	90-165	0.3556E-05
0-15.00	0.1019E-01	-7.5 TO 82.5	0.1033E-02	82.5-172.5	0.9553E-03	0	0- 90	0.6205E-02	90-180	0.6205E-02
15-30.00	0.2989E-01	-7.5 TO 82.5	0.9132E-03	82.5-172.5	0.7644E-03	15	0- 90	0.6010E-02	90-180	0.5333E-02
30-45.00	0.4755E-01	-7.5 TO 82.5	0.6741E-03	82.5-172.5	0.5066E-03	30	0- 90	0.4832E-02	90-180	0.3825E-02
45-60.00	0.6197E-01	-7.5 TO 82.5	0.3997E-03	82.5-172.5	0.2615E-03	45	0- 90	0.3189E-02	90-180	0.2238E-02
60-75.00	0.7216E-01	-7.5 TO 82.5	0.1548E-03	82.5-172.5	0.6522E-04	60	0- 90	0.1585E-02	90-180	0.8955E-03
75-90.00	0.7744E-01	-7.5 TO 82.5	0.8139E-05	82.5-172.5	0.1251E-06	75	0- 90	0.2782E-03	90-180	0.3557E-05
0-15.00	0.1189E-01	-7.5 TO 97.5	0.1027E-02	82.5-187.5	0.9515E-03	0	0-105	0.7240E-02	90-195	0.7240E-02
15-30.00	0.3487E-01	-7.5 TO 97.5	0.9006E-03	82.5-187.5	0.7575E-03	15	0-105	0.6941E-02	90-195	0.6192E-02
30-45.00	0.5547E-01	-7.5 TO 97.5	0.6596E-03	82.5-187.5	0.4992E-03	30	0-105	0.5531E-02	90-195	0.4422E-02
45-60.00	0.7229E-01	-7.5 TO 97.5	0.3876E-03	82.5-187.5	0.2558E-03	45	0-105	0.3618E-02	90-195	0.2574E-02
60-75.00	0.8419E-01	-7.5 TO 97.5	0.1467E-03	82.5-187.5	0.6302E-04	60	0-105	0.1774E-02	90-195	0.1020E-02
75-90.00	0.9034E-01	-7.5 TO 97.5	0.7122E-05	82.5-187.5	0.1082E-06	75	0-105	0.2816E-03	90-195	0.3573E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5000 $\cosh \mu_2$ = 2.5000 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 115.36

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1699E-02	-7.5 TO 7.5	0.1917E-02	82.5- 97.5	0.1757E-02	0	0- 15	0.1837E-02	90-105	0.1837E-02
15-30.00	0.4982E-02	-7.5 TO 7.5	0.1795E-02	82.5- 97.5	0.1474E-02	15	0- 15	0.1912E-02	90-105	0.1651E-02
30-45.00	0.7925E-02	-7.5 TO 7.5	0.1412E-02	82.5- 97.5	0.1032E-02	30	0- 15	0.1652E-02	90-105	0.1241E-02
45-60.00	0.1033E-01	-7.5 TO 7.5	0.9012E-03	82.5- 97.5	0.5736E-03	45	0- 15	0.1173E-02	90-105	0.7559E-03
60-75.00	0.1203E-01	-7.5 TO 7.5	0.4066E-03	82.5- 97.5	0.1831E-03	60	0- 15	0.6468E-03	90-105	0.3393E-03
75-90.00	0.1291E-01	-7.5 TO 7.5	0.5037E-04	82.5- 97.5	0.1587E-05	75	0- 15	0.1882E-03	90-105	0.7792E-05
0-15.00	0.3398E-02	-7.5 TO 22.5	0.1914E-02	82.5-112.5	0.1737E-02	0	0- 30	0.3673E-02	90-120	0.3673E-02
15-30.00	0.9963E-02	-7.5 TO 22.5	0.1789E-02	82.5-112.5	0.1437E-02	15	0- 30	0.3807E-02	90-120	0.3247E-02
30-45.00	0.1585E-01	-7.5 TO 22.5	0.1405E-02	82.5-112.5	0.9908E-03	30	0- 30	0.3276E-02	90-120	0.2404E-02
45-60.00	0.2066E-01	-7.5 TO 22.5	0.8946E-03	82.5-112.5	0.5431E-03	45	0- 30	0.2317E-02	90-120	0.1459E-02
60-75.00	0.2405E-01	-7.5 TO 22.5	0.4019E-03	82.5-112.5	0.1623E-03	60	0- 30	0.1271E-02	90-120	0.6274E-03
75-90.00	0.2581E-01	-7.5 TO 22.5	0.4878E-04	82.5-112.5	0.8886E-06	75	0- 30	0.3620E-03	90-120	0.7880E-05
0-15.00	0.5097E-02	-7.5 TO 37.5	0.1907E-02	82.5-127.5	0.1719E-02	0	0- 45	0.5510E-02	90-135	0.5510E-02
15-30.00	0.1495E-01	-7.5 TO 37.5	0.1776E-02	82.5-127.5	0.1403E-02	15	0- 45	0.5670E-02	90-135	0.4797E-02
30-45.00	0.2377E-01	-7.5 TO 37.5	0.1388E-02	82.5-127.5	0.9534E-03	30	0- 45	0.4847E-02	90-135	0.3500E-02
45-60.00	0.3098E-01	-7.5 TO 37.5	0.8798E-03	82.5-127.5	0.5101E-03	45	0- 45	0.3407E-02	90-135	0.2092E-02
60-75.00	0.3508E-01	-7.5 TO 37.5	0.3915E-03	82.5-127.5	0.1443E-03	60	0- 45	0.1853E-02	90-135	0.8742E-03
75-90.00	0.3872E-01	-7.5 TO 37.5	0.4531E-04	82.5-127.5	0.5937E-06	75	0- 45	0.5095E-03	90-135	0.7911E-05
0-15.00	0.6797E-02	-7.5 TO 52.5	0.1898E-02	82.5-142.5	0.1702E-02	0	0- 60	0.7347E-02	90-150	0.7347E-02
15-30.00	0.1993E-01	-7.5 TO 52.5	0.1755E-02	82.5-142.5	0.1372E-02	15	0- 60	0.7489E-02	90-150	0.6310E-02
30-45.00	0.3170E-01	-7.5 TO 52.5	0.1363E-02	82.5-142.5	0.9234E-03	30	0- 60	0.6346E-02	90-150	0.4544E-02
45-60.00	0.4131E-01	-7.5 TO 52.5	0.8580E-03	82.5-142.5	0.4840E-03	45	0- 60	0.4424E-02	90-150	0.2680E-02
60-75.00	0.4811E-01	-7.5 TO 52.5	0.3762E-03	82.5-142.5	0.1294E-03	60	0- 60	0.2378E-02	90-150	0.1090E-02
75-90.00	0.5163E-01	-7.5 TO 52.5	0.4054E-04	82.5-142.5	0.4457E-06	75	0- 60	0.6223E-03	90-150	0.7929E-05
0-15.00	0.8496E-02	-7.5 TO 67.5	0.1885E-02	82.5-157.5	0.1688E-02	0	0- 75	0.9183E-02	90-165	0.9183E-02
15-30.00	0.2491E-01	-7.5 TO 67.5	0.1730E-02	82.5-157.5	0.1345E-02	15	0- 75	0.9255E-02	90-165	0.7795E-02
30-45.00	0.3962E-01	-7.5 TO 67.5	0.1332E-02	82.5-157.5	0.8922E-03	30	0- 75	0.7762E-02	90-165	0.5554E-02
45-60.00	0.5164E-01	-7.5 TO 67.5	0.8309E-03	82.5-157.5	0.4619E-03	45	0- 75	0.5358E-02	90-165	0.3237E-02
60-75.00	0.6013E-01	-7.5 TO 67.5	0.3574E-03	82.5-157.5	0.1177E-03	60	0- 75	0.2841E-02	90-165	0.1286E-02
75-90.00	0.6453E-01	-7.5 TO 67.5	0.3524E-04	82.5-157.5	0.3558E-06	75	0- 75	0.5970E-03	90-165	0.7942E-05
0-15.00	0.1019E-01	-7.5 TO 82.5	0.1870E-02	82.5-172.5	0.1676E-02	0	0- 90	0.1102E-01	90-180	0.1102E-01
15-30.00	0.2989E-01	-7.5 TO 82.5	0.1700E-02	82.5-172.5	0.1324E-02	15	0- 90	0.1096E-01	90-180	0.9259E-02
30-45.00	0.4755E-01	-7.5 TO 82.5	0.1297E-02	82.5-172.5	0.8693E-03	30	0- 90	0.9089E-02	90-180	0.6545E-02
45-60.00	0.6197E-01	-7.5 TO 82.5	0.8003E-03	82.5-172.5	0.4441E-03	45	0- 90	0.6205E-02	90-180	0.3779E-02
60-75.00	0.7216E-01	-7.5 TO 82.5	0.3364E-03	82.5-172.5	0.1085E-03	60	0- 90	0.3239E-02	90-180	0.1472E-02
75-90.00	0.7744E-01	-7.5 TO 82.5	0.3023E-04	82.5-172.5	0.2975E-06	75	0- 90	0.7341E-03	90-180	0.7953E-05
0-15.00	0.1189E-01	-7.5 TO 97.5	0.1854E-02	82.5-187.5	0.1667E-02	0	0-105	0.1286E-01	90-195	0.1286E-01
15-30.00	0.3487E-01	-7.5 TO 97.5	0.1668E-02	82.5-187.5	0.1308E-02	15	0-105	0.1261E-01	90-195	0.1076E-01
30-45.00	0.5547E-01	-7.5 TO 97.5	0.1259E-02	82.5-187.5	0.8517E-03	30	0-105	0.1033E-01	90-195	0.7537E-02
45-60.00	0.7229E-01	-7.5 TO 97.5	0.7679E-03	82.5-187.5	0.4334E-03	45	0-105	0.6971E-02	90-195	0.4321E-02
60-75.00	0.8419E-01	-7.5 TO 97.5	0.3145E-03	82.5-187.5	0.1016E-03	60	0-105	0.3579E-02	90-195	0.1658E-02
75-90.00	0.9034E-01	-7.5 TO 97.5	0.2614E-04	82.5-187.5	0.2551E-06	75	0-105	0.7419E-03	90-195	0.7964E-05

r_2/r_1 = 1.00 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5000 $\cosh \mu_2$ = 2.5000 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 97.18

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1699E-02	-7.5 TO 7.5	0.2566E-02	82.5- 97.5	0.2332E-02	0	0- 15	0.2404E-02	90-105	0.2404E-02
15-30.00	0.4982E-02	-7.5 TO 7.5	0.2478E-02	82.5- 97.5	0.1940E-02	15	0- 15	0.2589E-02	90-105	0.2156E-02
30-45.00	0.7925E-02	-7.5 TO 7.5	0.2018E-02	82.5- 97.5	0.1359E-02	30	0- 15	0.2317E-02	90-105	0.1625E-02
45-60.00	0.1033E-01	-7.5 TO 7.5	0.1337E-02	82.5- 97.5	0.7702E-03	45	0- 15	0.1706E-02	90-105	0.1009E-02
60-75.00	0.1203E-01	-7.5 TO 7.5	0.6412E-03	82.5- 97.5	0.2519E-03	60	0- 15	0.9834E-03	90-105	0.4515E-03
75-90.00	0.1291E-01	-7.5 TO 7.5	0.1037E-03	82.5- 97.5	0.2606E-05	75	0- 15	0.3252E-03	90-105	0.1248E-04
0-15.00	0.3398E-02	-7.5 TO 22.5	0.2561E-02	82.5-112.5	0.2270E-02	0	0- 30	0.4808E-02	90-120	0.4808E-02
15-30.00	0.9963E-02	-7.5 TO 22.5	0.2468E-02	82.5-112.5	0.1883E-02	15	0- 30	0.5150E-02	90-120	0.4225E-02
30-45.00	0.1585E-01	-7.5 TO 22.5	0.2005E-02	82.5-112.5	0.1332E-02	30	0- 30	0.4586E-02	90-120	0.3123E-02
45-60.00	0.2066E-01	-7.5 TO 22.5	0.1325E-02	82.5-112.5	0.7156E-03	45	0- 30	0.3362E-02	90-120	0.1901E-02
60-75.00	0.2405E-01	-7.5 TO 22.5	0.6326E-03	82.5-112.5	0.2135E-03	60	0- 30	0.1926E-02	90-120	0.8212E-03
75-90.00	0.2581E-01	-7.5 TO 22.5	0.1001E-03	82.5-112.5	0.1443E-05	75	0- 30	0.6242E-03	90-120	0.1257E-04
0-15.00	0.5097E-02	-7.5 TO 37.5	0.2551E-02	82.5-127.5	0.2240E-02	0	0- 45	0.7212E-02	90-135	0.7212E-02
15-30.00	0.1495E-01	-7.5 TO 37.5	0.2445E-02	82.5-127.5	0.1824E-02	15	0- 45	0.7657E-02	90-135	0.6217E-02
30-45.00	0.2377E-01	-7.5 TO 37.5	0.1976E-02	82.5-127.5	0.1242E-02	30	0- 45	0.6765E-02	90-135	0.4515E-02
45-60.00	0.3098E-01	-7.5 TO 37.5	0.1299E-02	82.5-127.5	0.6673E-03	45	0- 45	0.4921E-02	90-135	0.2697E-02
60-75.00	0.3508E-01	-7.5 TO 37.5	0.6137E-03	82.5-127.5	0.1934E-03	60	0- 45	0.2792E-02	90-135	0.1127E-02
75-90.00	0.3872E-01	-7.5 TO 37.5	0.9263E-04	82.5-127.5	0.9532E-06	75	0- 45	0.8753E-03	90-135	0.1250E-04
0-15.00	0.6797E-02	-7.5 TO 52.5	0.2534E-02	82.5-142.5	0.2213E-02	0	0- 60	0.9615E-02	90-150	0.9615E-02
15-30.00	0.1993E-01	-7.5 TO 52.5	0.2411E-02	82.5-142.5	0.1775E-02	15	0- 60	0.1009E-01	90-150	0.8150E-02
30-45.00	0.3170E-01	-7.5 TO 52.5	0.1933E-02	82.5-142.5	0.1188E-02	30	0- 60	0.8821E-02	90-150	0.5824E-02
45-60.00	0.4131E-01	-7.5 TO 52.5	0.1260E-02	82.5-142.5	0.6259E-03	45	0- 60	0.6354E-02	90-150	0.3422E-02
60-75.00	0.4811E-01	-7.5 TO 52.5	0.5863E-03	82.5-142.5	0.1678E-03	60	0- 60	0.3559E-02	90-150	0.1386E-02
75-90.00	0.5163E-01	-7.5 TO 52.5	0.8276E-04	82.5-142.5	0.7228E-06	75	0- 60	0.1055E-02	90-150	0.1261E-04
0-15.00	0.8496E-02	-7.5 TO 67.5	0.2514E-02	82.5-157.5	0.2190E-02	0	0- 75	0.1202E-01	90-165	0.1202E-01
15-30.00	0.2491E-01	-7.5 TO 67.5	0.2368E-02	82.5-157.5	0.1733E-02	15	0- 75	0.1244E-01	90-165	0.1004E-01
30-45.00	0.3962E-01	-7.5 TO 67.5	0.1879E-02	82.5-157.5	0.1144E-02	30	0- 75	0.1074E-01	90-165	0.7078E-02
45-60.00	0.5164E-01	-7.5 TO 67.5	0.1213E-02	82.5-157.5	0.5913E-03	45	0- 75	0.7644E-02	90-165	0.4100E-02
60-75.00	0.6013E-01	-7.5 TO 67.5	0.5529E-03	82.5-157.5	0.1504E-03	60	0- 75	0.4217E-02	90-165	0.1617E-02
75-90.00	0.6453E-01	-7.5 TO 67.5	0.7199E-04	82.5-157.5	0.5785E-06	75	0- 75	0.1189E-02	90-165	0.1263E-04
0-15.00	0.1019E-01	-7.5 TO 82.5	0.2489E-02	82.5-172.5	0.2171E-02	0	0- 90	0.1442E-01	90-180	0.1442E-01
15-30.00	0.2989E-01	-7.5 TO 82.5	0.2318E-02	82.5-172.5	0.1698E-02	15	0- 90	0.1469E-01	90-180	0.1191E-01
30-45.00	0.4755E-01	-7.5 TO 82.5	0.1819E-02	82.5-172.5	0.1107E-02	30	0- 90	0.1250E-01	90-180	0.8304E-02
45-60.00	0.6197E-01	-7.5 TO 82.5	0.1159E-02	82.5-172.5	0.5635E-03	45	0- 90	0.8789E-02	90-180	0.4755E-02
60-75.00	0.7216E-01	-7.5 TO 82.5	0.5161E-03	82.5-172.5	0.1379E-03	60	0- 90	0.4766E-02	90-180	0.1832E-02
75-90.00	0.7744E-01	-7.5 TO 82.5	0.6175E-04	82.5-172.5	0.4822E-06	75	0- 90	0.1249E-02	90-180	0.1264E-04
0-15.00	0.1189E-01	-7.5 TO 97.5	0.2463E-02	82.5-187.5	0.2155E-02	0	0-105	0.1683E-01	90-195	0.1583E-01
15-30.00	0.3487E-01	-7.5 TO 97.5	0.2264E-02	82.5-187.5	0.1671E-02	15	0-105	0.1684E-01	90-195	0.1378E-01
30-45.00	0.5547E-01	-7.5 TO 97.5	0.1755E-02	82.5-187.5	0.1079E-02	30	0-105	0.1413E-01	90-195	0.9530E-02
45-60.00	0.7229E-01	-7.5 TO 97.5	0.1104E-02	82.5-187.5	0.5424E-03	45	0-105	0.9798E-02	90-195	0.5410E-02
60-75.00	0.8419E-01	-7.5 TO 97.5	0.4784E-03	82.5-187.5	0.1270E-03	60	0-105	0.5218E-02	90-195	0.2048E-02
75-90.00	0.9034E-01	-7.5 TO 97.5	0.5331E-04	82.5-187.5	0.4135E-06	75	0-105	0.1262E-02	90-195	0.1259E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5000 $\cosh \mu_2$ = 2.5000 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 80.94

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1599E-02	-7.5 TO 7.5	0.2840E-02	82.5- 97.5	0.2496E-02	0	0- 15	0.2604E-02	90-105	0.2604E-02
15-30.00	0.4982E-02	-7.5 TO 7.5	0.2819E-02	82.5- 97.5	0.2110E-02	15	0- 15	0.2895E-02	90-105	0.2330E-02
30-45.00	0.7925E-02	-7.5 TO 7.5	0.2362E-02	82.5- 97.5	0.1499E-02	30	0- 15	0.2672E-02	90-105	0.1758E-02
45-60.00	0.1033E-01	-7.5 TO 7.5	0.1610E-02	82.5- 97.5	0.8504E-03	45	0- 15	0.2025E-02	90-105	0.1096E-02
60-75.00	0.1203E-01	-7.5 TO 7.5	0.8018E-03	82.5- 97.5	0.2827E-03	60	0- 15	0.1204E-02	90-105	0.4943E-03
75-90.00	0.1291E-01	-7.5 TO 7.5	0.1493E-03	82.5- 97.5	0.3198E-05	75	0- 15	0.4257E-03	90-105	0.1513E-04
0-15.00	0.3398E-02	-7.5 TO 22.5	0.2834E-02	82.5-112.5	0.2455E-02	0	0- 30	0.5208E-02	90-120	0.5208E-02
15-30.00	0.9963E-02	-7.5 TO 22.5	0.2806E-02	82.5-112.5	0.2033E-02	15	0- 30	0.5753E-02	90-120	0.4567E-02
30-45.00	0.1585E-01	-7.5 TO 22.5	0.2344E-02	82.5-112.5	0.1412E-02	30	0- 30	0.5279E-02	90-120	0.3354E-02
45-60.00	0.2066E-01	-7.5 TO 22.5	0.1594E-02	82.5-112.5	0.7839E-03	45	0- 30	0.3981E-02	90-120	0.2044E-02
60-75.00	0.2405E-01	-7.5 TO 22.5	0.7900E-03	82.5-112.5	0.2415E-03	60	0- 30	0.2351E-02	90-120	0.8875E-03
75-90.00	0.2581E-01	-7.5 TO 22.5	0.1439E-03	82.5-112.5	0.1755E-05	75	0- 30	0.8151E-03	90-120	0.1527E-04
0-15.00	0.5097E-02	-7.5 TO 37.5	0.2820E-02	82.5-127.5	0.2416E-02	0	0- 45	0.7812E-02	90-135	0.7812E-02
15-30.00	0.1495E-01	-7.5 TO 37.5	0.2775E-02	82.5-127.5	0.1962E-02	15	0- 45	0.8541E-02	90-135	0.6669E-02
30-45.00	0.2377E-01	-7.5 TO 37.5	0.2305E-02	82.5-127.5	0.1335E-02	30	0- 45	0.7765E-02	90-135	0.4818E-02
45-60.00	0.3098E-01	-7.5 TO 37.5	0.1558E-02	82.5-127.5	0.7210E-03	45	0- 45	0.5806E-02	90-135	0.2875E-02
60-75.00	0.3608E-01	-7.5 TO 37.5	0.7638E-03	82.5-127.5	0.2080E-03	60	0- 45	0.3393E-02	90-135	0.1206E-02
75-90.00	0.3872E-01	-7.5 TO 37.5	0.1327E-03	82.5-127.5	0.1179E-05	75	0- 45	0.1139E-02	90-135	0.1530E-04
0-15.00	0.6797E-02	-7.5 TO 52.5	0.2799E-02	82.5-142.5	0.2382E-02	0	0- 60	0.1042E-01	90-150	0.1042E-01
15-30.00	0.1993E-01	-7.5 TO 52.5	0.2729E-02	82.5-142.5	0.1930E-02	15	0- 60	0.1123E-01	90-150	0.8715E-02
30-45.00	0.3170E-01	-7.5 TO 52.5	0.2247E-02	82.5-142.5	0.1270E-02	30	0- 60	0.1009E-01	90-150	0.6183E-02
45-60.00	0.4131E-01	-7.5 TO 52.5	0.1505E-02	82.5-142.5	0.5795E-03	45	0- 60	0.7460E-02	90-150	0.3625E-02
60-75.00	0.4811E-01	-7.5 TO 52.5	0.7262E-03	82.5-142.5	0.1918E-03	60	0- 60	0.4331E-02	90-150	0.1472E-02
75-90.00	0.5163E-01	-7.5 TO 52.5	0.1181E-03	82.5-142.5	0.8845E-06	75	0- 60	0.1380E-02	90-150	0.1532E-04
0-15.00	0.8496E-02	-7.5 TO 67.5	0.2771E-02	82.5-157.5	0.2352E-02	0	0- 75	0.1302E-01	90-165	0.1302E-01
15-30.00	0.2491E-01	-7.5 TO 67.5	0.2672E-02	82.5-157.5	0.1847E-02	15	0- 75	0.1381E-01	90-165	0.1071E-01
30-45.00	0.3962E-01	-7.5 TO 67.5	0.2175E-02	82.5-157.5	0.1215E-02	30	0- 75	0.1222E-01	90-165	0.7482E-02
45-60.00	0.5164E-01	-7.5 TO 67.5	0.1440E-02	82.5-157.5	0.5294E-03	45	0- 75	0.8923E-02	90-165	0.4320E-02
60-75.00	0.6013E-01	-7.5 TO 67.5	0.6808E-03	82.5-157.5	0.1518E-03	60	0- 75	0.5052E-02	90-165	0.1705E-02
75-90.00	0.6453E-01	-7.5 TO 67.5	0.1025E-03	82.5-157.5	0.7078E-06	75	0- 75	0.1534E-02	90-165	0.1533E-04
0-15.00	0.1019E-01	-7.5 TO 82.5	0.2740E-02	82.5-172.5	0.2327E-02	0	0- 90	0.1562E-01	90-180	0.1562E-01
15-30.00	0.2989E-01	-7.5 TO 82.5	0.2636E-02	82.5-172.5	0.1814E-02	15	0- 90	0.1626E-01	90-180	0.1285E-01
30-45.00	0.4755E-01	-7.5 TO 82.5	0.2095E-02	82.5-172.5	0.1171E-02	30	0- 90	0.1417E-01	90-180	0.8749E-02
45-60.00	0.6197E-01	-7.5 TO 82.5	0.1369E-02	82.5-172.5	0.5967E-03	45	0- 90	0.1019E-01	90-180	0.4989E-02
60-75.00	0.7216E-01	-7.5 TO 82.5	0.6316E-03	82.5-172.5	0.1455E-03	60	0- 90	0.5681E-02	90-180	0.1925E-02
75-90.00	0.7744E-01	-7.5 TO 82.5	0.8784E-04	82.5-172.5	0.5900E-06	75	0- 90	0.1609E-02	90-180	0.1534E-04
0-15.00	0.1189E-01	-7.5 TO 97.5	0.2705E-02	82.5-187.5	0.2309E-02	0	0-105	0.1823E-01	90-195	0.1823E-01
15-30.00	0.3487E-01	-7.5 TO 97.5	0.2535E-02	82.5-187.5	0.1771E-02	15	0-105	0.1859E-01	90-195	0.1465E-01
30-45.00	0.5547E-01	-7.5 TO 97.5	0.2009E-02	82.5-187.5	0.1133E-02	30	0-105	0.1592E-01	90-195	0.1002E-01
45-60.00	0.7229E-01	-7.5 TO 97.5	0.1295E-02	82.5-187.5	0.5719E-03	45	0-105	0.1129E-01	90-195	0.5658E-02
60-75.00	0.8419E-01	-7.5 TO 97.5	0.5817E-03	82.5-187.5	0.1353E-03	60	0-105	0.6175E-02	90-195	0.2144E-02
75-90.00	0.9034E-01	-7.5 TO 97.5	0.7578E-04	82.5-187.5	0.5059E-06	75	0-105	0.1624E-02	90-195	0.1535E-04

r_2/r_1 = 1.00 d/r_1 = 5.000 $\cosh \mu_1$ = 2.5000 $\cosh \mu_2$ = 2.5000 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 66.42

0-15.00	0.1599E-02	-7.5 TO 7.5	0.2849E-02	82.5- 97.5	0.2496E-02	0	0- 15	0.2604E-02	90-105	0.2604E-02
15-30.00	0.4982E-02	-7.5 TO 7.5	0.2852E-02	82.5- 97.5	0.2111E-02	15	0- 15	0.2911E-02	90-105	0.2330E-02
30-45.00	0.7925E-02	-7.5 TO 7.5	0.2422E-02	82.5- 97.5	0.1500E-02	30	0- 15	0.2718E-02	90-105	0.1758E-02
45-60.00	0.1033E-01	-7.5 TO 7.5	0.1678E-02	82.5- 97.5	0.8517E-03	45	0- 15	0.2093E-02	90-105	0.1095E-02
60-75.00	0.1203E-01	-7.5 TO 7.5	0.8503E-03	82.5- 97.5	0.2835E-03	60	0- 15	0.1265E-02	90-105	0.4945E-03
75-90.00	0.1291E-01	-7.5 TO 7.5	0.1654E-03	82.5- 97.5	0.3225E-05	75	0- 15	0.4586E-03	90-105	0.1523E-04
0-15.00	0.3398E-02	-7.5 TO 22.5	0.2842E-02	82.5-112.5	0.2455E-02	0	0- 30	0.5208E-02	90-120	0.5208E-02
15-30.00	0.9963E-02	-7.5 TO 22.5	0.2837E-02	82.5-112.5	0.2033E-02	15	0- 30	0.5782E-02	90-120	0.4567E-02
30-45.00	0.1585E-01	-7.5 TO 22.5	0.2402E-02	82.5-112.5	0.1413E-02	30	0- 30	0.5365E-02	90-120	0.3354E-02
45-60.00	0.2066E-01	-7.5 TO 22.5	0.1659E-02	82.5-112.5	0.7815E-03	45	0- 30	0.4106E-02	90-120	0.2044E-02
60-75.00	0.2405E-01	-7.5 TO 22.5	0.8366E-03	82.5-112.5	0.2420E-03	60	0- 30	0.2464E-02	90-120	0.8878E-03
75-90.00	0.2581E-01	-7.5 TO 22.5	0.1592E-03	82.5-112.5	0.1730E-05	75	0- 30	0.8755E-03	90-120	0.1532E-04
0-15.00	0.5097E-02	-7.5 TO 37.5	0.2827E-02	82.5-127.5	0.2417E-02	0	0- 45	0.7812E-02	90-135	0.7812E-02
15-30.00	0.1495E-01	-7.5 TO 37.5	0.2804E-02	82.5-127.5	0.1952E-02	15	0- 45	0.8580E-02	90-135	0.6653E-02
30-45.00	0.2377E-01	-7.5 TO 37.5	0.2358E-02	82.5-127.5	0.1336E-02	30	0- 45	0.7881E-02	90-135	0.4818E-02
45-60.00	0.3098E-01	-7.5 TO 37.5	0.1617E-02	82.5-127.5	0.7214E-03	45	0- 45	0.5974E-02	90-135	0.2877E-02
60-75.00	0.3608E-01	-7.5 TO 37.5	0.8066E-03	82.5-127.5	0.2332E-03	60	0- 45	0.3545E-02	90-135	0.1205E-02
75-90.00	0.3872E-01	-7.5 TO 37.5	0.1463E-03	82.5-127.5	0.1138E-05	75	0- 45	0.1218E-02	90-135	0.1535E-04
0-15.00	0.6797E-02	-7.5 TO 52.5	0.2805E-02	82.5-142.5	0.2382E-02	0	0- 60	0.1042E-01	90-150	0.1042E-01
15-30.00	0.1993E-01	-7.5 TO 52.5	0.2755E-02	82.5-142.5	0.1930E-02	15	0- 60	0.1128E-01	90-150	0.8715E-02
30-45.00	0.3170E-01	-7.5 TO 52.5	0.2295E-02	82.5-142.5	0.1270E-02	30	0- 60	0.1022E-01	90-150	0.6183E-02
45-60.00	0.4131E-01	-7.5 TO 52.5	0.1558E-02	82.5-142.5	0.6710E-03	45	0- 60	0.7655E-02	90-150	0.3625E-02
60-75.00	0.4811E-01	-7.5 TO 52.5	0.7640E-03	82.5-142.5	0.1820E-03	60	0- 60	0.4475E-02	90-150	0.1472E-02
75-90.00	0.5163E-01	-7.5 TO 52.5	0.1297E-03	82.5-142.5	0.3913E-06	75	0- 60	0.1470E-02	90-150	0.1537E-04
0-15.00	0.8496E-02	-7.5 TO 67.5	0.2777E-02	82.5-157.5	0.2352E-02	0	0- 75	0.1302E-01	90-165	0.1302E-01
15-30.00	0.2491E-01	-7.5 TO 67.5	0.2695E-02	82.5-157.5	0.1847E-02	15	0- 75	0.1386E-01	90-165	0.1071E-01
30-45.00	0.3962E-01	-7.5 TO 67.5	0.2217E-02	82.5-157.5	0.1215E-02	30	0- 75	0.1237E-01	90-165	0.7482E-02
45-60.00	0.5164E-01	-7.5 TO 67.5	0.1486E-02	82.5-157.5	0.5297E-03	45	0- 75	0.9130E-02	90-165	0.4320E-02
60-75.00	0.6013E-01	-7.5 TO 67.5	0.7135E-03	82.5-157.5	0.1620E-03	60	0- 75	0.5246E-02	90-165	0.1737E-02
75-90.00	0.6453E-01	-7.5 TO 67.5	0.1122E-03	82.5-157.5	0.7133E-06	75	0- 75	0.1628E-02	90-165	0.1538E-04
0-15.00	0.1019E-01	-7.5 TO 82.5	0.2745E-02	82.5-172.5	0.2328E-02	0	0- 90	0.1562E-01	90-180	0.1562E-01
15-30.00	0.2989E-01	-7.5 TO 82.5	0.2626E-02	82.5-172.5	0.1804E-02	15	0- 90	0.1631E-01	90-180	0.1285E-01
30-45.00	0.4755E-01	-7.5 TO 82.5	0.2130E-02	82.5-172.5	0.1171E-02	30	0- 90	0.1431E-01	90-180	0.8749E-02
45-60.00	0.6197E-01	-7.5 TO 82.5	0.1408E-02	82.5-172.5	0.5953E-03	45	0- 90	0.1040E-01	90-180	0.4989E-02
60-75.00	0.7216E-01	-7.5 TO 82.5	0.6595E-03	82.5-172.5	0.1458E-03	60	0- 90	0.5868E-02	90-180	0.1925E-02
75-90.00	0.7744E-01	-7.5 TO 82.5	0.9599E-04	82.5-172.5	0.5946E-06	75	0- 90	0.1703E-02	90-180	0.1539E-04
0-15.00	0.1189E-01	-7.5 TO 97.5	0.2709E-02	82.5-187.5	0.2309E-02	0	0-105	0.1823E-01	90-195	0.1823E-01
15-30.00	0.3487E-01	-7.5 TO 97.5	0.2552E-02	82.5-187.5	0.1772E-02	15	0-105	0.1864E-01	90-195	0.1465E-01
30-45.00	0.5547E-01	-7.5 TO 97.5	0.2040E-02	82.5-187.5	0.1138E-02	30	0-105	0.1607E-01	90-195	0.1002E-01
45-60.00	0.7229E-01	-7.5 TO 97.5	0.1329E-02	82.5-187.5	0.5721E-03	45	0-105	0.1150E-01	90-195	0.5658E-02
60-75.00	0.8419E-01	-7.5 TO 97.5	0.6058E-03	82.5-187.5	0.1354E-03	60	0-105	0.6363E-02	90-195	0.2144E-02
75-90.00	0.9034E-01	-7.5 TO 97.5	0.8277E-04	82.5-187.5	0.5098E-06	75	0-105	0.1718E-02	90-195	0.1540E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

$r_2/r_1 = 1.00$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5000$ $\cosh \mu_2 = 3.5000$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 159.97$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7929E-03	-7.5 TO 7.5	0.1080E-03	82.5- 97.5	0.1053E-03	0	0- 15	0.1098E-03	90-105	0.1098E-03
15-30.00	0.2325E-02	-7.5 TO 7.5	0.9659E-04	82.5- 97.5	0.9235E-04	15	0- 15	0.1053E-03	90-105	0.1024E-03
30-45.00	0.3698E-02	-7.5 TO 7.5	0.7499E-04	82.5- 97.5	0.7042E-04	30	0- 15	0.8789E-04	90-105	0.8309E-04
45-60.00	0.4820E-02	-7.5 TO 7.5	0.4859E-04	82.5- 97.5	0.4425E-04	45	0- 15	0.6268E-04	90-105	0.5749E-04
60-75.00	0.5613E-02	-7.5 TO 7.5	0.2243E-04	82.5- 97.5	0.1905E-04	60	0- 15	0.3546E-04	90-105	0.3104E-04
75-90.00	0.6023E-02	-7.5 TO 7.5	0.2442E-05	82.5- 97.5	0.1396E-05	75	0- 15	0.1041E-04	90-105	0.7304E-05
0-15.00	0.1586E-02	-7.5 TO 22.5	0.1080E-03	82.5-112.5	0.1050E-03	0	0- 30	0.2197E-03	90-120	0.2197E-03
15-30.00	0.4650E-02	-7.5 TO 22.5	0.9653E-04	82.5-112.5	0.9249E-04	15	0- 30	0.2104E-03	90-120	0.2041E-03
30-45.00	0.7396E-02	-7.5 TO 22.5	0.7491E-04	82.5-112.5	0.6984E-04	30	0- 30	0.1755E-03	90-120	0.1651E-03
45-60.00	0.9639E-02	-7.5 TO 22.5	0.4852E-04	82.5-112.5	0.4372E-04	45	0- 30	0.1250E-03	90-120	0.1139E-03
60-75.00	0.1123E-01	-7.5 TO 22.5	0.2237E-04	82.5-112.5	0.1855E-04	60	0- 30	0.7044E-04	90-120	0.6114E-04
75-90.00	0.1205E-01	-7.5 TO 22.5	0.2420E-05	82.5-112.5	0.1272E-05	75	0- 30	0.2061E-04	90-120	0.1396E-04
0-15.00	0.2379E-02	-7.5 TO 37.5	0.1079E-03	82.5-127.5	0.1058E-03	0	0- 45	0.3295E-03	90-135	0.3295E-03
15-30.00	0.6974E-02	-7.5 TO 37.5	0.9639E-04	82.5-127.5	0.9235E-04	15	0- 45	0.3152E-03	90-135	0.3052E-03
30-45.00	0.1109E-01	-7.5 TO 37.5	0.7472E-04	82.5-127.5	0.5930E-04	30	0- 45	0.2625E-03	90-135	0.2452E-03
45-60.00	0.1446E-01	-7.5 TO 37.5	0.4834E-04	82.5-127.5	0.4321E-04	45	0- 45	0.1868E-03	90-135	0.1692E-03
60-75.00	0.1684E-01	-7.5 TO 37.5	0.2223E-04	82.5-127.5	0.1826E-04	60	0- 45	0.1053E-03	90-135	0.9042E-04
75-90.00	0.1807E-01	-7.5 TO 37.5	0.2373E-05	82.5-127.5	0.1156E-05	75	0- 45	0.3045E-04	90-135	0.2004E-04
0-15.00	0.3172E-02	-7.5 TO 52.5	0.1078E-03	82.5-142.5	0.1056E-03	0	0- 60	0.4394E-03	90-150	0.4394E-03
15-30.00	0.9299E-02	-7.5 TO 52.5	0.9617E-04	82.5-142.5	0.9155E-04	15	0- 60	0.4195E-03	90-150	0.4059E-03
30-45.00	0.1479E-01	-7.5 TO 52.5	0.7445E-04	82.5-142.5	0.5881E-04	30	0- 60	0.3487E-03	90-150	0.3266E-03
45-60.00	0.1928E-01	-7.5 TO 52.5	0.4808E-04	82.5-142.5	0.4275E-04	45	0- 60	0.2476E-03	90-150	0.2238E-03
60-75.00	0.2245E-01	-7.5 TO 52.5	0.2203E-04	82.5-142.5	0.1791E-04	60	0- 60	0.1392E-03	90-150	0.1190E-03
75-90.00	0.2409E-01	-7.5 TO 52.5	0.2306E-05	82.5-142.5	0.1052E-05	75	0- 60	0.3976E-04	90-150	0.2567E-04
0-15.00	0.3965E-02	-7.5 TO 67.5	0.1077E-03	82.5-157.5	0.1054E-03	0	0- 75	0.5492E-03	90-165	0.5492E-03
15-30.00	0.1162E-01	-7.5 TO 67.5	0.9589E-04	82.5-157.5	0.9131E-04	15	0- 75	0.5232E-03	90-165	0.5063E-03
30-45.00	0.1849E-01	-7.5 TO 67.5	0.7409E-04	82.5-157.5	0.6837E-04	30	0- 75	0.4340E-03	90-165	0.4064E-03
45-60.00	0.2410E-01	-7.5 TO 67.5	0.4774E-04	82.5-157.5	0.4234E-04	45	0- 75	0.3075E-03	90-165	0.2778E-03
60-75.00	0.2806E-01	-7.5 TO 67.5	0.2176E-04	82.5-157.5	0.1750E-04	60	0- 75	0.1722E-03	90-165	0.1472E-03
75-90.00	0.3011E-01	-7.5 TO 67.5	0.2224E-05	82.5-157.5	0.9640E-06	75	0- 75	0.4844E-04	90-165	0.3098E-04
0-15.00	0.4758E-02	-7.5 TO 82.5	0.1075E-03	82.5-172.5	0.1053E-03	0	0- 90	0.6591E-03	90-180	0.6591E-03
15-30.00	0.1395E-01	-7.5 TO 82.5	0.9555E-04	82.5-172.5	0.9131E-04	15	0- 90	0.6263E-03	90-180	0.6064E-03
30-45.00	0.2219E-01	-7.5 TO 82.5	0.7367E-04	82.5-172.5	0.6831E-04	30	0- 90	0.5182E-03	90-180	0.4860E-03
45-60.00	0.2892E-01	-7.5 TO 82.5	0.4734E-04	82.5-172.5	0.4201E-04	45	0- 90	0.3661E-03	90-180	0.3315E-03
60-75.00	0.3368E-01	-7.5 TO 82.5	0.2145E-04	82.5-172.5	0.1735E-04	60	0- 90	0.2042E-03	90-180	0.1751E-03
75-90.00	0.3614E-01	-7.5 TO 82.5	0.2128E-05	82.5-172.5	0.8960E-06	75	0- 90	0.5643E-04	90-180	0.3613E-04
0-15.00	0.5551E-02	-7.5 TO 97.5	0.1073E-03	82.5-187.5	0.1052E-03	0	0-105	0.7689E-03	90-195	0.7689E-03
15-30.00	0.1627E-01	-7.5 TO 97.5	0.9518E-04	82.5-187.5	0.9079E-04	15	0-105	0.7286E-03	90-195	0.7065E-03
30-45.00	0.2589E-01	-7.5 TO 97.5	0.7321E-04	82.5-187.5	0.6774E-04	30	0-105	0.6013E-03	90-195	0.5655E-03
45-60.00	0.3374E-01	-7.5 TO 97.5	0.4690E-04	82.5-187.5	0.4175E-04	45	0-105	0.4236E-03	90-195	0.3853E-03
60-75.00	0.3929E-01	-7.5 TO 97.5	0.2111E-04	82.5-187.5	0.1715E-04	60	0-105	0.2353E-03	90-195	0.2030E-03
75-90.00	0.4216E-01	-7.5 TO 97.5	0.2023E-05	82.5-187.5	0.8450E-06	75	0-105	0.6374E-04	90-195	0.4128E-04

$r_2/r_1 = 1.00$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5000$ $\cosh \mu_2 = 3.5000$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 140.45$

0-15.00	0.7929E-03	-7.5 TO 7.5	0.3912E-03	82.5- 97.5	0.3788E-03	0	0- 15	0.3915E-03	90-105	0.3915E-03
15-30.00	0.2325E-02	-7.5 TO 7.5	0.3574E-03	82.5- 97.5	0.3318E-03	15	0- 15	0.3844E-03	90-105	0.3639E-03
30-45.00	0.3698E-02	-7.5 TO 7.5	0.2844E-03	82.5- 97.5	0.2518E-03	30	0- 15	0.3289E-03	90-105	0.2950E-03
45-60.00	0.4820E-02	-7.5 TO 7.5	0.1899E-03	82.5- 97.5	0.1588E-03	45	0- 15	0.2409E-03	90-105	0.2039E-03
60-75.00	0.5613E-02	-7.5 TO 7.5	0.9302E-04	82.5- 97.5	0.6875E-04	60	0- 15	0.1416E-03	90-105	0.1100E-03
75-90.00	0.6023E-02	-7.5 TO 7.5	0.1375E-04	82.5- 97.5	0.5158E-05	75	0- 15	0.4774E-04	90-105	0.2550E-04
0-15.00	0.1586E-02	-7.5 TO 22.5	0.3910E-03	82.5-112.5	0.3772E-03	0	0- 30	0.7830E-03	90-120	0.7830E-03
15-30.00	0.4650E-02	-7.5 TO 22.5	0.3570E-03	82.5-112.5	0.3285E-03	15	0- 30	0.7676E-03	90-120	0.7234E-03
30-45.00	0.7396E-02	-7.5 TO 22.5	0.2838E-03	82.5-112.5	0.2479E-03	30	0- 30	0.6556E-03	90-120	0.5827E-03
45-60.00	0.9639E-02	-7.5 TO 22.5	0.1893E-03	82.5-112.5	0.1551E-03	45	0- 30	0.4794E-03	90-120	0.4002E-03
60-75.00	0.1123E-01	-7.5 TO 22.5	0.9257E-04	82.5-112.5	0.6595E-04	60	0- 30	0.2811E-03	90-120	0.2136E-03
75-90.00	0.1205E-01	-7.5 TO 22.5	0.1357E-04	82.5-112.5	0.4333E-05	75	0- 30	0.9400E-04	90-120	0.4663E-04
0-15.00	0.2379E-02	-7.5 TO 37.5	0.3905E-03	82.5-127.5	0.3757E-03	0	0- 45	0.1174E-02	90-135	0.1174E-02
15-30.00	0.6974E-02	-7.5 TO 37.5	0.3559E-03	82.5-127.5	0.3256E-03	15	0- 45	0.1148E-02	90-135	0.1079E-02
30-45.00	0.1109E-01	-7.5 TO 37.5	0.2825E-03	82.5-127.5	0.2442E-03	30	0- 45	0.9783E-03	90-135	0.8542E-03
45-60.00	0.1446E-01	-7.5 TO 37.5	0.1880E-03	82.5-127.5	0.1516E-03	45	0- 45	0.7134E-03	90-135	0.5898E-03
60-75.00	0.1684E-01	-7.5 TO 37.5	0.9156E-04	82.5-127.5	0.6333E-04	60	0- 45	0.4167E-03	90-135	0.3115E-03
75-90.00	0.1807E-01	-7.5 TO 37.5	0.1316E-04	82.5-127.5	0.3612E-05	75	0- 45	0.1375E-03	90-135	0.6404E-04
0-15.00	0.3172E-02	-7.5 TO 52.5	0.3898E-03	82.5-142.5	0.3743E-03	0	0- 60	0.1566E-02	90-150	0.1555E-02
15-30.00	0.9299E-02	-7.5 TO 52.5	0.3544E-03	82.5-142.5	0.3228E-03	15	0- 60	0.1526E-02	90-150	0.1431E-02
30-45.00	0.1479E-01	-7.5 TO 52.5	0.2805E-03	82.5-142.5	0.2438E-03	30	0- 60	0.1295E-02	90-150	0.1140E-02
45-60.00	0.1928E-01	-7.5 TO 52.5	0.1861E-03	82.5-142.5	0.1485E-03	45	0- 60	0.9412E-03	90-150	0.7761E-03
60-75.00	0.2245E-01	-7.5 TO 52.5	0.9004E-04	82.5-142.5	0.5039E-04	60	0- 60	0.5469E-03	90-150	0.4056E-03
75-90.00	0.2409E-01	-7.5 TO 52.5	0.1255E-04	82.5-142.5	0.3093E-05	75	0- 60	0.1771E-03	90-150	0.7854E-04
0-15.00	0.3965E-02	-7.5 TO 67.5	0.3888E-03	82.5-157.5	0.3731E-03	0	0- 75	0.1957E-02	90-165	0.1957E-02
15-30.00	0.1162E-01	-7.5 TO 67.5	0.3524E-03	82.5-157.5	0.3204E-03	15	0- 75	0.1899E-02	90-165	0.1781E-02
30-45.00	0.1849E-01	-7.5 TO 67.5	0.2779E-03	82.5-157.5	0.2379E-03	30	0- 75	0.1605E-02	90-165	0.1413E-02
45-60.00	0.2410E-01	-7.5 TO 67.5	0.1837E-03	82.5-157.5	0.1458E-03	45	0- 75	0.1151E-02	90-165	0.9548E-03
60-75.00	0.2806E-01	-7.5 TO 67.5	0.8811E-04	82.5-157.5	0.5897E-04	60	0- 75	0.6707E-03	90-165	0.4961E-03
75-90.00	0.3011E-01	-7.5 TO 67.5	0.1180E-04	82.5-157.5	0.2722E-05	75	0- 75	0.2122E-03	90-165	0.9105E-04
0-15.00	0.4758E-02	-7.5 TO 82.5	0.3877E-03	82.5-172.5	0.3721E-03	0	0- 90	0.2349E-02	90-180	0.2349E-02
15-30.00	0.1395E-01	-7.5 TO 82.5	0.3500E-03	82.5-172.5	0.3184E-03	15	0- 90	0.2257E-02	90-180	0.2130E-02
30-45.00	0.2219E-01	-7.5 TO 82.5	0.2749E-03	82.5-172.5	0.2355E-03	30	0- 90	0.1908E-02	90-180	0.1684E-02
45-60.00	0.2892E-01	-7.5 TO 82.5	0.1808E-03	82.5-172.5	0.1436E-03	45	0- 90	0.1373E-02	90-180	0.1133E-02
60-75.00	0.3368E-01	-7.5 TO 82.5	0.8587E-04	82.5-172.5	0.5730E-04	60	0- 90	0.7876E-03	90-180	0.5853E-03
75-90.00	0.3614E-01	-7.5 TO 82.5	0.1099E-04	82.5-172.5	0.2448E-05	75	0- 90	0.2424E-03	90-180	0.1025E-03
0-15.00	0.5551E-02	-7.5 TO 97.5	0.3864E-03	82.5-187.5	0.3714E-03	0	0-105	0.2740E-02	90-195	0.2740E-02
15-30.00	0.1627E-01	-7.5 TO 97.5	0.3474E-03	82.5-187.5	0.3159E-03	15	0-105	0.2631E-02	90-195	0.2479E-02
30-45.00	0.2589E-01	-7.5 TO 97.5	0.2716E-03	82.5-187.5	0.2335E-03	30	0-105	0.2203E-02	90-195	0.1955E-02
45-60.00	0.3374E-01	-7.5 TO 97.5	0.1776E-03	82.5-187.5	0.1419E-03	45	0-105	0.1577E-02	90-195	0.1312E-02
60-75.00	0.3929E-01	-7.5 TO 97.5	0.8342E-04	82.5-187.5	0.5632E-04	60	0-105	0.8976E-03	90-195	0.6744E-03
75-90.00	0.4216E-01	-7.5 TO 97.5	0.1015E-04	82.5-187.5	0.2246E-05	75	0-105	0.2679E-03	90-195	0.1140E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

$r_2/r_1 = 1.00$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5000$ $\cosh \mu_2 = 3.5000$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 121.88$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7929E-03	-7.5 TO 7.5	0.7413E-03	82.5- 97.5	0.7072E-03	0	0- 15	0.7306E-03	90-105	0.7306E-03
15-30.00	0.2325E-02	-7.5 TO 7.5	0.6905E-03	82.5- 97.5	0.6234E-03	15	0- 15	0.7335E-03	90-105	0.6778E-03
30-45.00	0.3698E-02	-7.5 TO 7.5	0.5620E-03	82.5- 97.5	0.4724E-03	30	0- 15	0.6420E-03	90-105	0.5491E-03
45-60.00	0.4820E-02	-7.5 TO 7.5	0.3853E-03	82.5- 97.5	0.2991E-03	45	0- 15	0.4818E-03	90-105	0.3800E-03
60-75.00	0.5613E-02	-7.5 TO 7.5	0.1978E-03	82.5- 97.5	0.1335E-03	60	0- 15	0.2925E-03	90-105	0.2052E-03
75-90.00	0.6023E-02	-7.5 TO 7.5	0.3573E-04	82.5- 97.5	0.1016E-04	75	0- 15	0.1085E-03	90-105	0.4738E-04
0-15.00	0.1586E-02	-7.5 TO 22.5	0.7404E-03	82.5-112.5	0.7029E-03	0	0- 30	0.1461E-02	90-120	0.1461E-02
15-30.00	0.4650E-02	-7.5 TO 22.5	0.6892E-03	82.5-112.5	0.6118E-03	15	0- 30	0.1464E-02	90-120	0.1344E-02
30-45.00	0.7396E-02	-7.5 TO 22.5	0.5604E-03	82.5-112.5	0.4618E-03	30	0- 30	0.1278E-02	90-120	0.1079E-02
45-60.00	0.9639E-02	-7.5 TO 22.5	0.3837E-03	82.5-112.5	0.2892E-03	45	0- 30	0.9569E-03	90-120	0.7395E-03
60-75.00	0.1123E-01	-7.5 TO 22.5	0.1965E-03	82.5-112.5	0.1231E-03	60	0- 30	0.5791E-03	90-120	0.3935E-03
75-90.00	0.1205E-01	-7.5 TO 22.5	0.3510E-04	82.5-112.5	0.8020E-05	75	0- 30	0.2128E-03	90-120	0.8353E-04
0-15.00	0.2379E-02	-7.5 TO 37.5	0.7390E-03	82.5-127.5	0.6989E-03	0	0- 45	0.2192E-02	90-135	0.2192E-02
15-30.00	0.5974E-02	-7.5 TO 37.5	0.6864E-03	82.5-127.5	0.6038E-03	15	0- 45	0.2187E-02	90-135	0.1999E-02
30-45.00	0.1109E-01	-7.5 TO 37.5	0.5566E-03	82.5-127.5	0.4519E-03	30	0- 45	0.1903E-02	90-135	0.1592E-02
45-60.00	0.1446E-01	-7.5 TO 37.5	0.3801E-03	82.5-127.5	0.2831E-03	45	0- 45	0.1419E-02	90-135	0.1082E-02
60-75.00	0.1684E-01	-7.5 TO 37.5	0.1936E-03	82.5-127.5	0.1153E-03	60	0- 45	0.8546E-03	90-135	0.5676E-03
75-90.00	0.1807E-01	-7.5 TO 37.5	0.3376E-04	82.5-127.5	0.6399E-05	75	0- 45	0.3092E-03	90-135	0.1103E-03
0-15.00	0.3172E-02	-7.5 TO 52.5	0.7370E-03	82.5-142.5	0.6952E-03	0	0- 60	0.2922E-02	90-150	0.2922E-02
15-30.00	0.9299E-02	-7.5 TO 52.5	0.6821E-03	82.5-142.5	0.5955E-03	15	0- 60	0.2931E-02	90-150	0.2645E-02
30-45.00	0.1479E-01	-7.5 TO 52.5	0.5511E-03	82.5-142.5	0.4433E-03	30	0- 60	0.2512E-02	90-150	0.2092E-02
45-60.00	0.1928E-01	-7.5 TO 52.5	0.3746E-03	82.5-142.5	0.2719E-03	45	0- 60	0.1864E-02	90-150	0.1410E-02
60-75.00	0.2245E-01	-7.5 TO 52.5	0.1893E-03	82.5-142.5	0.1130E-03	60	0- 60	0.1115E-02	90-150	0.7306E-03
75-90.00	0.2409E-01	-7.5 TO 52.5	0.3189E-04	82.5-142.5	0.5324E-05	75	0- 60	0.3947E-03	90-150	0.1300E-03
0-15.00	0.3965E-02	-7.5 TO 67.5	0.7344E-03	82.5-157.5	0.6920E-03	0	0- 75	0.3653E-02	90-165	0.3653E-02
15-30.00	0.1162E-01	-7.5 TO 67.5	0.6766E-03	82.5-157.5	0.5901E-03	15	0- 75	0.3604E-02	90-165	0.3286E-02
30-45.00	0.1849E-01	-7.5 TO 67.5	0.5440E-03	82.5-157.5	0.4333E-03	30	0- 75	0.3102E-02	90-165	0.2582E-02
45-60.00	0.2410E-01	-7.5 TO 67.5	0.3677E-03	82.5-157.5	0.2649E-03	45	0- 75	0.2288E-02	90-165	0.1729E-02
60-75.00	0.2806E-01	-7.5 TO 67.5	0.1838E-03	82.5-157.5	0.1051E-03	60	0- 75	0.1357E-02	90-165	0.8860E-03
75-90.00	0.3011E-01	-7.5 TO 67.5	0.2964E-04	82.5-157.5	0.4564E-05	75	0- 75	0.4676E-03	90-165	0.1449E-03
0-15.00	0.4758E-02	-7.5 TO 82.5	0.7313E-03	82.5-172.5	0.6893E-03	0	0- 90	0.4384E-02	90-180	0.4384E-02
15-30.00	0.1395E-01	-7.5 TO 82.5	0.6702E-03	82.5-172.5	0.5848E-03	15	0- 90	0.4294E-02	90-180	0.3924E-02
30-45.00	0.2219E-01	-7.5 TO 82.5	0.5357E-03	82.5-172.5	0.4289E-03	30	0- 90	0.3671E-02	90-180	0.3068E-02
45-60.00	0.2892E-01	-7.5 TO 82.5	0.3598E-03	82.5-172.5	0.2532E-03	45	0- 90	0.2690E-02	90-180	0.2043E-02
60-75.00	0.3368E-01	-7.5 TO 82.5	0.1776E-03	82.5-172.5	0.1039E-03	60	0- 90	0.1581E-02	90-180	0.1038E-02
75-90.00	0.3614E-01	-7.5 TO 82.5	0.2720E-04	82.5-172.5	0.4036E-05	75	0- 90	0.5276E-03	90-180	0.1577E-03
0-15.00	0.5551E-02	-7.5 TO 97.5	0.7278E-03	82.5-187.5	0.6873E-03	0	0-105	0.5114E-02	90-195	0.5114E-02
15-30.00	0.1627E-01	-7.5 TO 97.5	0.6631E-03	82.5-187.5	0.5838E-03	15	0-105	0.4972E-02	90-195	0.4561E-02
30-45.00	0.2589E-01	-7.5 TO 97.5	0.5267E-03	82.5-187.5	0.4241E-03	30	0-105	0.4221E-02	90-195	0.3554E-02
45-60.00	0.3374E-01	-7.5 TO 97.5	0.3511E-03	82.5-187.5	0.2547E-03	45	0-105	0.3070E-02	90-195	0.2357E-02
60-75.00	0.3929E-01	-7.5 TO 97.5	0.1709E-03	82.5-187.5	0.9771E-04	60	0-105	0.1786E-02	90-195	0.1189E-02
75-90.00	0.4216E-01	-7.5 TO 97.5	0.2476E-04	82.5-187.5	0.3594E-05	75	0-105	0.5749E-03	90-195	0.1704E-03

$r_2/r_1 = 1.00$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5000$ $\cosh \mu_2 = 3.5000$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 104.48$

0-15.00	0.7929E-03	-7.5 TO 7.5	0.1036E-02	82.5- 97.5	0.9752E-03	0	0- 15	0.1008E-02	90-105	0.1008E-02
15-30.00	0.2325E-02	-7.5 TO 7.5	0.9834E-03	82.5- 97.5	0.8578E-03	15	0- 15	0.1033E-02	90-105	0.9336E-03
30-45.00	0.3698E-02	-7.5 TO 7.5	0.8167E-03	82.5- 97.5	0.6552E-03	30	0- 15	0.9229E-03	90-105	0.7564E-03
45-60.00	0.4820E-02	-7.5 TO 7.5	0.5724E-03	82.5- 97.5	0.4168E-03	45	0- 15	0.7074E-03	90-105	0.5241E-03
60-75.00	0.5613E-02	-7.5 TO 7.5	0.3040E-03	82.5- 97.5	0.1834E-03	60	0- 15	0.4406E-03	90-105	0.2837E-03
75-90.00	0.6023E-02	-7.5 TO 7.5	0.6371E-04	82.5- 97.5	0.1479E-04	75	0- 15	0.1741E-03	90-105	0.6581E-04
0-15.00	0.1586E-02	-7.5 TO 22.5	0.1035E-02	82.5-112.5	0.9687E-03	0	0- 30	0.2016E-02	90-120	0.2016E-02
15-30.00	0.4650E-02	-7.5 TO 22.5	0.9812E-03	82.5-112.5	0.8427E-03	15	0- 30	0.2060E-02	90-120	0.1846E-02
30-45.00	0.7396E-02	-7.5 TO 22.5	0.8137E-03	82.5-112.5	0.6356E-03	30	0- 30	0.1835E-02	90-120	0.1479E-02
45-60.00	0.9639E-02	-7.5 TO 22.5	0.5694E-03	82.5-112.5	0.3996E-03	45	0- 30	0.1402E-02	90-120	0.1013E-02
60-75.00	0.1123E-01	-7.5 TO 22.5	0.3016E-03	82.5-112.5	0.1707E-03	60	0- 30	0.8703E-03	90-120	0.5307E-03
75-90.00	0.1205E-01	-7.5 TO 22.5	0.5243E-04	82.5-112.5	0.1126E-04	75	0- 30	0.3404E-03	90-120	0.1131E-03
0-15.00	0.2379E-02	-7.5 TO 37.5	0.1033E-02	82.5-127.5	0.9615E-03	0	0- 45	0.3024E-02	90-135	0.3024E-02
15-30.00	0.5974E-02	-7.5 TO 37.5	0.9760E-03	82.5-127.5	0.8295E-03	15	0- 45	0.3074E-02	90-135	0.2740E-02
30-45.00	0.1109E-01	-7.5 TO 37.5	0.8069E-03	82.5-127.5	0.6193E-03	30	0- 45	0.2726E-02	90-135	0.2172E-02
45-60.00	0.1446E-01	-7.5 TO 37.5	0.5627E-03	82.5-127.5	0.3838E-03	45	0- 45	0.2074E-02	90-135	0.1471E-02
60-75.00	0.1684E-01	-7.5 TO 37.5	0.2963E-03	82.5-127.5	0.1592E-03	60	0- 45	0.1280E-02	90-135	0.7695E-03
75-90.00	0.1807E-01	-7.5 TO 37.5	0.5962E-04	82.5-127.5	0.8775E-05	75	0- 45	0.4920E-03	90-135	0.1453E-03
0-15.00	0.3172E-02	-7.5 TO 52.5	0.1029E-02	82.5-142.5	0.9551E-03	0	0- 60	0.4032E-02	90-150	0.4032E-02
15-30.00	0.9299E-02	-7.5 TO 52.5	0.9683E-03	82.5-142.5	0.8157E-03	15	0- 60	0.4072E-02	90-150	0.3619E-02
30-45.00	0.1479E-01	-7.5 TO 52.5	0.7968E-03	82.5-142.5	0.6039E-03	30	0- 60	0.3589E-02	90-150	0.2842E-02
45-60.00	0.1928E-01	-7.5 TO 52.5	0.5528E-03	82.5-142.5	0.3699E-03	45	0- 60	0.2714E-02	90-150	0.1906E-02
60-75.00	0.2245E-01	-7.5 TO 52.5	0.2884E-03	82.5-142.5	0.1432E-03	60	0- 60	0.1661E-02	90-150	0.9820E-03
75-90.00	0.2409E-01	-7.5 TO 52.5	0.5576E-04	82.5-142.5	0.7171E-05	75	0- 60	0.6242E-03	90-150	0.1664E-03
0-15.00	0.3965E-02	-7.5 TO 67.5	0.1025E-02	82.5-157.5	0.9494E-03	0	0- 75	0.5040E-02	90-165	0.5040E-02
15-30.00	0.1162E-01	-7.5 TO 67.5	0.9584E-03	82.5-157.5	0.8046E-03	15	0- 75	0.5050E-02	90-165	0.4487E-02
30-45.00	0.1849E-01	-7.5 TO 67.5	0.7839E-03	82.5-157.5	0.5905E-03	30	0- 75	0.4419E-02	90-165	0.3495E-02
45-60.00	0.2410E-01	-7.5 TO 67.5	0.5402E-03	82.5-157.5	0.3579E-03	45	0- 75	0.3317E-02	90-165	0.2325E-02
60-75.00	0.2806E-01	-7.5 TO 67.5	0.2785E-03	82.5-157.5	0.1437E-03	60	0- 75	0.2010E-02	90-165	0.1182E-02
75-90.00	0.3011E-01	-7.5 TO 67.5	0.5134E-04	82.5-157.5	0.5050E-05	75	0- 75	0.7340E-03	90-165	0.1814E-03
0-15.00	0.4758E-02	-7.5 TO 82.5	0.1019E-02	82.5-172.5	0.9447E-03	0	0- 90	0.6048E-02	90-180	0.6048E-02
15-30.00	0.1395E-01	-7.5 TO 82.5	0.9468E-03	82.5-172.5	0.7954E-03	15	0- 90	0.6006E-02	90-180	0.5350E-02
30-45.00	0.2219E-01	-7.5 TO 82.5	0.7689E-03	82.5-172.5	0.5796E-03	30	0- 90	0.5211E-02	90-180	0.4142E-02
45-60.00	0.2892E-01	-7.5 TO 82.5	0.5258E-03	82.5-172.5	0.3481E-03	45	0- 90	0.3880E-02	90-180	0.2736E-02
60-75.00	0.3368E-01	-7.5 TO 82.5	0.2673E-03	82.5-172.5	0.1339E-03	60	0- 90	0.2326E-02	90-180	0.1375E-02
75-90.00	0.3614E-01	-7.5 TO 82.5	0.4667E-04	82.5-172.5	0.5244E-05	75	0- 90	0.8211E-03	90-180	0.1941E-03
0-15.00	0.5551E-02	-7.5 TO 97.5	0.1013E-02	82.5-187.5	0.9410E-03	0	0-105	0.7056E-02	90-195	0.7056E-02
15-30.00	0.1627E-01	-7.5 TO 97.5	0.9341E-03	82.5-187.5	0.7833E-03	15	0-105	0.6940E-02	90-195	0.6213E-02
30-45.00	0.2589E-01	-7.5 TO 97.5	0.7527E-03	82.5-187.5	0.5712E-03	30	0-105	0.5968E-02	90-195	0.4788E-02
45-60.00	0.3374E-01	-7.5 TO 97.5	0.5102E-03	82.5-187.5	0.3437E-03	45	0-105	0.4404E-02	90-195	0.3147E-02
60-75.00	0.3929E-01	-7.5 TO 97.5	0.2553E-03	82.5-187.5	0.1285E-03	60	0-105	0.2610E-02	90-195	0.1570E-02
75-90.00	0.4216E-01	-7.5 TO 97.5	0.4211E-04	82.5-187.5	0.4655E-05	75	0-105	0.8869E-03	90-195	0.2069E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5000 $\cosh \mu_2$ = 3.5000 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 88.34

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.7929E-03	-7.5 TO 7.5	0.1195E-02	82.5- 97.5	0.1111E-02	0	0- 15	0.1147E-02	90-105	0.1147E-02
15-30.00	0.2325E-02	-7.5 TO 7.5	0.1154E-02	82.5- 97.5	0.9778E-03	15	0- 15	0.1199E-02	90-105	0.1060E-02
30-45.00	0.3698E-02	-7.5 TO 7.5	0.9756E-03	82.5- 97.5	0.7489E-03	30	0- 15	0.1092E-02	90-105	0.8587E-03
45-60.00	0.4820E-02	-7.5 TO 7.5	0.5961E-03	82.5- 97.5	0.4733E-03	45	0- 15	0.8524E-03	90-105	0.5958E-03
60-75.00	0.5513E-02	-7.5 TO 7.5	0.3782E-03	82.5- 97.5	0.2118E-03	60	0- 15	0.5411E-03	90-105	0.3234E-03
75-90.00	0.5023E-02	-7.5 TO 7.5	0.8603E-04	82.5- 97.5	0.1750E-04	75	0- 15	0.2218E-03	90-105	0.7552E-04
0-15.00	0.1586E-02	-7.5 TO 22.5	0.1194E-02	82.5-112.5	0.1101E-02	0	0- 30	0.2294E-02	90-120	0.2294E-02
15-30.00	0.4650E-02	-7.5 TO 22.5	0.1151E-02	82.5-112.5	0.9568E-03	15	0- 30	0.2389E-02	90-120	0.2091E-02
30-45.00	0.7396E-02	-7.5 TO 22.5	0.9713E-03	82.5-112.5	0.7233E-03	30	0- 30	0.2169E-02	90-120	0.1671E-02
45-60.00	0.9639E-02	-7.5 TO 22.5	0.5918E-03	82.5-112.5	0.4550E-03	45	0- 30	0.1687E-02	90-120	0.1143E-02
60-75.00	0.1123E-01	-7.5 TO 22.5	0.3748E-03	82.5-112.5	0.1951E-03	60	0- 30	0.1067E-02	90-120	0.6086E-03
75-90.00	0.1205E-01	-7.5 TO 22.5	0.8418E-04	82.5-112.5	0.1311E-04	75	0- 30	0.4327E-03	90-120	0.1278E-03
0-15.00	0.2379E-02	-7.5 TO 37.5	0.1190E-02	82.5-127.5	0.1091E-02	0	0- 45	0.3441E-02	90-135	0.3441E-02
15-30.00	0.6974E-02	-7.5 TO 37.5	0.1143E-02	82.5-127.5	0.9373E-03	15	0- 45	0.3563E-02	90-135	0.3096E-02
30-45.00	0.1109E-01	-7.5 TO 37.5	0.9617E-03	82.5-127.5	0.6997E-03	30	0- 45	0.3216E-02	90-135	0.2443E-02
45-60.00	0.1446E-01	-7.5 TO 37.5	0.5823E-03	82.5-127.5	0.4338E-03	45	0- 45	0.2489E-02	90-135	0.1652E-02
60-75.00	0.1684E-01	-7.5 TO 37.5	0.3673E-03	82.5-127.5	0.1803E-03	60	0- 45	0.1563E-02	90-135	0.8624E-03
75-90.00	0.1807E-01	-7.5 TO 37.5	0.8014E-04	82.5-127.5	0.1010E-04	75	0- 45	0.6232E-03	90-135	0.1620E-03
0-15.00	0.3172E-02	-7.5 TO 52.5	0.1185E-02	82.5-142.5	0.1082E-02	0	0- 60	0.4588E-02	90-150	0.4588E-02
15-30.00	0.9299E-02	-7.5 TO 52.5	0.1132E-02	82.5-142.5	0.9197E-03	15	0- 60	0.4713E-02	90-150	0.4081E-02
30-45.00	0.1479E-01	-7.5 TO 52.5	0.9474E-03	82.5-142.5	0.6786E-03	30	0- 60	0.4224E-02	90-150	0.3184E-02
45-60.00	0.1928E-01	-7.5 TO 52.5	0.6682E-03	82.5-142.5	0.4152E-03	45	0- 60	0.3246E-02	90-150	0.2126E-02
60-75.00	0.2245E-01	-7.5 TO 52.5	0.3562E-03	82.5-142.5	0.1575E-03	60	0- 60	0.2021E-02	90-150	0.1093E-02
75-90.00	0.2409E-01	-7.5 TO 52.5	0.7452E-04	82.5-142.5	0.3130E-05	75	0- 60	0.7867E-03	90-150	0.1834E-03
0-15.00	0.3965E-02	-7.5 TO 67.5	0.1179E-02	82.5-157.5	0.1074E-02	0	0- 75	0.5735E-02	90-165	0.5735E-02
15-30.00	0.1162E-01	-7.5 TO 67.5	0.1119E-02	82.5-157.5	0.9345E-03	15	0- 75	0.5835E-02	90-165	0.5051E-02
30-45.00	0.1849E-01	-7.5 TO 67.5	0.9292E-03	82.5-157.5	0.6550E-03	30	0- 75	0.5184E-02	90-165	0.3903E-02
45-60.00	0.2410E-01	-7.5 TO 67.5	0.6504E-03	82.5-157.5	0.3993E-03	45	0- 75	0.3950E-02	90-165	0.2580E-02
60-75.00	0.2806E-01	-7.5 TO 67.5	0.3424E-03	82.5-157.5	0.1558E-03	60	0- 75	0.2434E-02	90-165	0.1307E-02
75-90.00	0.3011E-01	-7.5 TO 67.5	0.6816E-04	82.5-157.5	0.5838E-05	75	0- 75	0.9199E-03	90-165	0.1983E-03
0-15.00	0.4758E-02	-7.5 TO 82.5	0.1171E-02	82.5-172.5	0.1057E-02	0	0- 90	0.6882E-02	90-180	0.6882E-02
15-30.00	0.1395E-01	-7.5 TO 82.5	0.1102E-02	82.5-172.5	0.8919E-03	15	0- 90	0.6926E-02	90-180	0.6011E-02
30-45.00	0.2219E-01	-7.5 TO 82.5	0.9081E-03	82.5-172.5	0.6458E-03	30	0- 90	0.6093E-02	90-180	0.4611E-02
45-60.00	0.2892E-01	-7.5 TO 82.5	0.6302E-03	82.5-172.5	0.3855E-03	45	0- 90	0.4599E-02	90-180	0.3024E-02
60-75.00	0.3368E-01	-7.5 TO 82.5	0.3268E-03	82.5-172.5	0.1483E-03	60	0- 90	0.2801E-02	90-180	0.1514E-02
75-90.00	0.3614E-01	-7.5 TO 82.5	0.6160E-04	82.5-172.5	0.5917E-05	75	0- 90	0.1023E-02	90-180	0.2111E-03
0-15.00	0.5551E-02	-7.5 TO 97.5	0.1162E-02	82.5-187.5	0.1052E-02	0	0-105	0.8029E-02	90-195	0.8029E-02
15-30.00	0.1627E-01	-7.5 TO 97.5	0.1085E-02	82.5-187.5	0.8822E-03	15	0-105	0.7986E-02	90-195	0.6976E-02
30-45.00	0.2589E-01	-7.5 TO 97.5	0.8854E-03	82.5-187.5	0.6344E-03	30	0-105	0.6952E-02	90-195	0.5318E-02
45-60.00	0.3374E-01	-7.5 TO 97.5	0.5085E-03	82.5-187.5	0.3755E-03	45	0-105	0.5195E-02	90-195	0.3458E-02
60-75.00	0.3929E-01	-7.5 TO 97.5	0.3104E-03	82.5-187.5	0.1418E-03	60	0-105	0.3124E-02	90-195	0.1721E-02
75-90.00	0.4216E-01	-7.5 TO 97.5	0.5531E-04	82.5-187.5	0.5232E-05	75	0-105	0.1099E-02	90-195	0.2238E-03

r_2/r_1 = 1.00 d/r_1 = 7.000 $\cosh \mu_1$ = 3.5000 $\cosh \mu_2$ = 3.5000 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 73.40

0-15.00	0.7929E-03	-7.5 TO 7.5	0.1213E-02	82.5- 97.5	0.1121E-02	0	0- 15	0.1157E-02	90-105	0.1157E-02
15-30.00	0.2325E-02	-7.5 TO 7.5	0.1183E-02	82.5- 97.5	0.9872E-03	15	0- 15	0.1221E-02	90-105	0.1059E-02
30-45.00	0.3698E-02	-7.5 TO 7.5	0.1012E-02	82.5- 97.5	0.7568E-03	30	0- 15	0.1126E-02	90-105	0.8656E-03
45-60.00	0.4820E-02	-7.5 TO 7.5	0.7308E-03	82.5- 97.5	0.4804E-03	45	0- 15	0.8895E-03	90-105	0.6007E-03
60-75.00	0.5513E-02	-7.5 TO 7.5	0.4020E-03	82.5- 97.5	0.2147E-03	60	0- 15	0.5716E-03	90-105	0.3253E-03
75-90.00	0.6023E-02	-7.5 TO 7.5	0.9400E-04	82.5- 97.5	0.1782E-04	75	0- 15	0.2380E-03	90-105	0.7631E-04
0-15.00	0.1586E-02	-7.5 TO 22.5	0.1212E-02	82.5-112.5	0.1110E-02	0	0- 30	0.2315E-02	90-120	0.2315E-02
15-30.00	0.4650E-02	-7.5 TO 22.5	0.1179E-02	82.5-112.5	0.9547E-03	15	0- 30	0.2433E-02	90-120	0.2107E-02
30-45.00	0.7396E-02	-7.5 TO 22.5	0.1007E-02	82.5-112.5	0.7234E-03	30	0- 30	0.2233E-02	90-120	0.1682E-02
45-60.00	0.9639E-02	-7.5 TO 22.5	0.7258E-03	82.5-112.5	0.4591E-03	45	0- 30	0.1758E-02	90-120	0.1150E-02
60-75.00	0.1123E-01	-7.5 TO 22.5	0.3980E-03	82.5-112.5	0.1971E-03	60	0- 30	0.1125E-02	90-120	0.6125E-03
75-90.00	0.1205E-01	-7.5 TO 22.5	0.9186E-04	82.5-112.5	0.1330E-04	75	0- 30	0.4632E-03	90-120	0.1288E-03
0-15.00	0.2379E-02	-7.5 TO 37.5	0.1208E-02	82.5-127.5	0.1100E-02	0	0- 45	0.3472E-02	90-135	0.3472E-02
15-30.00	0.6974E-02	-7.5 TO 37.5	0.1171E-02	82.5-127.5	0.9439E-03	15	0- 45	0.3626E-02	90-135	0.3117E-02
30-45.00	0.1109E-01	-7.5 TO 37.5	0.9959E-03	82.5-127.5	0.7044E-03	30	0- 45	0.3308E-02	90-135	0.2455E-02
45-60.00	0.1446E-01	-7.5 TO 37.5	0.7146E-03	82.5-127.5	0.4358E-03	45	0- 45	0.2589E-02	90-135	0.1658E-02
60-75.00	0.1684E-01	-7.5 TO 37.5	0.3891E-03	82.5-127.5	0.1817E-03	60	0- 45	0.1644E-02	90-135	0.8665E-03
75-90.00	0.1807E-01	-7.5 TO 37.5	0.8721E-04	82.5-127.5	0.1023E-04	75	0- 45	0.6648E-03	90-135	0.1630E-03
0-15.00	0.3172E-02	-7.5 TO 52.5	0.1202E-02	82.5-142.5	0.1090E-02	0	0- 60	0.4630E-02	90-150	0.4630E-02
15-30.00	0.9299E-02	-7.5 TO 52.5	0.1159E-02	82.5-142.5	0.9253E-03	15	0- 60	0.4793E-02	90-150	0.4105E-02
30-45.00	0.1479E-01	-7.5 TO 52.5	0.9794E-03	82.5-142.5	0.6824E-03	30	0- 60	0.4337E-02	90-150	0.3197E-02
45-60.00	0.1928E-01	-7.5 TO 52.5	0.6981E-03	82.5-142.5	0.4175E-03	45	0- 60	0.3367E-02	90-150	0.2134E-02
60-75.00	0.2245E-01	-7.5 TO 52.5	0.3762E-03	82.5-142.5	0.1686E-03	60	0- 60	0.2118E-02	90-150	0.1097E-02
75-90.00	0.2409E-01	-7.5 TO 52.5	0.8079E-04	82.5-142.5	0.8278E-05	75	0- 60	0.8360E-03	90-150	0.1844E-03
0-15.00	0.3965E-02	-7.5 TO 67.5	0.1195E-02	82.5-157.5	0.1082E-02	0	0- 75	0.5787E-02	90-165	0.5787E-02
15-30.00	0.1162E-01	-7.5 TO 67.5	0.1143E-02	82.5-157.5	0.9093E-03	15	0- 75	0.5929E-02	90-165	0.5079E-02
30-45.00	0.1849E-01	-7.5 TO 67.5	0.9586E-03	82.5-157.5	0.6535E-03	30	0- 75	0.5313E-02	90-165	0.3917E-02
45-60.00	0.2410E-01	-7.5 TO 67.5	0.6776E-03	82.5-157.5	0.4012E-03	45	0- 75	0.4087E-02	90-165	0.2588E-02
60-75.00	0.2806E-01	-7.5 TO 67.5	0.3604E-03	82.5-157.5	0.1577E-03	60	0- 75	0.2542E-02	90-165	0.1311E-02
75-90.00	0.3011E-01	-7.5 TO 67.5	0.7360E-04	82.5-157.5	0.6936E-05	75	0- 75	0.9737E-03	90-165	0.1993E-03
0-15.00	0.4758E-02	-7.5 TO 82.5	0.1187E-02	82.5-172.5	0.1075E-02	0	0- 90	0.6944E-02	90-180	0.6944E-02
15-30.00	0.1395E-01	-7.5 TO 82.5	0.1125E-02	82.5-172.5	0.8951E-03	15	0- 90	0.7032E-02	90-180	0.6044E-02
30-45.00	0.2219E-01	-7.5 TO 82.5	0.9348E-03	82.5-172.5	0.6483E-03	30	0- 90	0.6233E-02	90-180	0.4625E-02
45-60.00	0.2892E-01	-7.5 TO 82.5	0.6545E-03	82.5-172.5	0.3883E-03	45	0- 90	0.4745E-02	90-180	0.3032E-02
60-75.00	0.3368E-01	-7.5 TO 82.5	0.3428E-03	82.5-172.5	0.1493E-03	60	0- 90	0.2915E-02	90-180	0.1518E-02
75-90.00	0.3614E-01	-7.5 TO 82.5	0.6629E-04	82.5-172.5	0.5983E-05	75	0- 90	0.1079E-02	90-180	0.2121E-03
0-15.00	0.5551E-02	-7.5 TO 97.5	0.1177E-02	82.5-187.5	0.1059E-02	0	0-105	0.8102E-02	90-195	0.8102E-02
15-30.00	0.1627E-01	-7.5 TO 97.5	0.1105E-02	82.5-187.5	0.8853E-03	15	0-105	0.8131E-02	90-195	0.7010E-02
30-45.00	0.2589E-01	-7.5 TO 97.5	0.9094E-03	82.5-187.5	0.6356E-03	30	0-105	0.7099E-02	90-195	0.5333E-02
45-60.00	0.3374E-01	-7.5 TO 97.5	0.6302E-03	82.5-187.5	0.3780E-03	45	0-105	0.5346E-02	90-195	0.3475E-02
60-75.00	0.3929E-01	-7.5 TO 97.5	0.3245E-03	82.5-187.5	0.1424E-03	60	0-105	0.3241E-02	90-195	0.1725E-02
75-90.00	0.4216E-01	-7.5 TO 97.5	0.5937E-04	82.5-187.5	0.5238E-05	75	0-105	0.1155E-02	90-195	0.2243E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0000 $\cosh \mu_2$ = 5.0000 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 161.68

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3717E-03	-7.5 TO 7.5	0.4245E-04	82.5- 97.5	0.4205E-04	0	0- 15	0.4320E-04	90-105	0.4320E-04
15-30.00	0.1090E-02	-7.5 TO 7.5	0.3858E-04	82.5- 97.5	0.3775E-04	15	0- 15	0.4151E-04	90-105	0.4086E-04
30-45.00	0.1734E-02	-7.5 TO 7.5	0.3116E-04	82.5- 97.5	0.3035E-04	30	0- 15	0.3564E-04	90-105	0.3452E-04
45-60.00	0.2259E-02	-7.5 TO 7.5	0.2155E-04	82.5- 97.5	0.2042E-04	45	0- 15	0.2679E-04	90-105	0.2550E-04
60-75.00	0.2531E-02	-7.5 TO 7.5	0.1124E-04	82.5- 97.5	0.1027E-04	60	0- 15	0.1652E-04	90-105	0.1531E-04
75-90.00	0.2823E-02	-7.5 TO 7.5	0.1978E-05	82.5- 97.5	0.1544E-05	75	0- 15	0.6218E-05	90-105	0.5277E-05
0-15.00	0.7434E-03	-7.5 TO 22.5	0.4245E-04	82.5-112.5	0.4201E-04	0	0- 30	0.8640E-04	90-120	0.8640E-04
15-30.00	0.2179E-02	-7.5 TO 22.5	0.3857E-04	82.5-112.5	0.3754E-04	15	0- 30	0.8298E-04	90-120	0.8157E-04
30-45.00	0.3467E-02	-7.5 TO 22.5	0.3114E-04	82.5-112.5	0.2991E-04	30	0- 30	0.7122E-04	90-120	0.6880E-04
45-60.00	0.4518E-02	-7.5 TO 22.5	0.2153E-04	82.5-112.5	0.2027E-04	45	0- 30	0.5351E-04	90-120	0.5071E-04
60-75.00	0.5262E-02	-7.5 TO 22.5	0.1122E-04	82.5-112.5	0.1015E-04	60	0- 30	0.3297E-04	90-120	0.3036E-04
75-90.00	0.5647E-02	-7.5 TO 22.5	0.1971E-05	82.5-112.5	0.1490E-05	75	0- 30	0.1238E-04	90-120	0.1035E-04
0-15.00	0.1115E-02	-7.5 TO 37.5	0.4243E-04	82.5-127.5	0.4196E-04	0	0- 45	0.1296E-03	90-135	0.1296E-03
15-30.00	0.3269E-02	-7.5 TO 37.5	0.3853E-04	82.5-127.5	0.3754E-04	15	0- 45	0.1244E-03	90-135	0.1222E-03
30-45.00	0.5201E-02	-7.5 TO 37.5	0.3109E-04	82.5-127.5	0.2978E-04	30	0- 45	0.1067E-03	90-135	0.1028E-03
45-60.00	0.6778E-02	-7.5 TO 37.5	0.2148E-04	82.5-127.5	0.2014E-04	45	0- 45	0.8037E-04	90-135	0.7566E-04
60-75.00	0.7893E-02	-7.5 TO 37.5	0.1118E-04	82.5-127.5	0.1004E-04	60	0- 45	0.4927E-04	90-135	0.4518E-04
75-90.00	0.8470E-02	-7.5 TO 37.5	0.1953E-05	82.5-127.5	0.1439E-05	75	0- 45	0.1843E-04	90-135	0.1524E-04
0-15.00	0.1487E-02	-7.5 TO 52.5	0.4241E-04	82.5-142.5	0.4192E-04	0	0- 60	0.1728E-03	90-150	0.1728E-03
15-30.00	0.4359E-02	-7.5 TO 52.5	0.3848E-04	82.5-142.5	0.3745E-04	15	0- 60	0.1657E-03	90-150	0.1626E-03
30-45.00	0.6934E-02	-7.5 TO 52.5	0.3103E-04	82.5-142.5	0.2955E-04	30	0- 60	0.1419E-03	90-150	0.1367E-03
45-60.00	0.9037E-02	-7.5 TO 52.5	0.2142E-04	82.5-142.5	0.2001E-04	45	0- 60	0.1064E-03	90-150	0.1004E-03
60-75.00	0.1052E-01	-7.5 TO 52.5	0.1112E-04	82.5-142.5	0.9932E-05	60	0- 60	0.6538E-04	90-150	0.5981E-04
75-90.00	0.1129E-01	-7.5 TO 52.5	0.1927E-05	82.5-142.5	0.1392E-05	75	0- 60	0.2432E-04	90-150	0.1999E-04
0-15.00	0.1858E-02	-7.5 TO 67.5	0.4238E-04	82.5-157.5	0.4188E-04	0	0- 75	0.2160E-03	90-165	0.2160E-03
15-30.00	0.5449E-02	-7.5 TO 67.5	0.3842E-04	82.5-157.5	0.3737E-04	15	0- 75	0.2068E-03	90-165	0.2030E-03
30-45.00	0.8668E-02	-7.5 TO 67.5	0.3094E-04	82.5-157.5	0.2955E-04	30	0- 75	0.1769E-03	90-165	0.1705E-03
45-60.00	0.1130E-01	-7.5 TO 67.5	0.2133E-04	82.5-157.5	0.1990E-04	45	0- 75	0.1325E-03	90-165	0.1250E-03
60-75.00	0.1315E-01	-7.5 TO 67.5	0.1105E-04	82.5-157.5	0.9841E-05	60	0- 75	0.8124E-04	90-165	0.7430E-04
75-90.00	0.1412E-01	-7.5 TO 67.5	0.1893E-05	82.5-157.5	0.1351E-05	75	0- 75	0.3032E-04	90-165	0.2463E-04
0-15.00	0.2230E-02	-7.5 TO 82.5	0.4234E-04	82.5-172.5	0.4184E-04	0	0- 90	0.2592E-03	90-180	0.2592E-03
15-30.00	0.6538E-02	-7.5 TO 82.5	0.3834E-04	82.5-172.5	0.3733E-04	15	0- 90	0.2478E-03	90-180	0.2434E-03
30-45.00	0.1040E-01	-7.5 TO 82.5	0.3084E-04	82.5-172.5	0.2946E-04	30	0- 90	0.2117E-03	90-180	0.2041E-03
45-60.00	0.1356E-01	-7.5 TO 82.5	0.2122E-04	82.5-172.5	0.1981E-04	45	0- 90	0.1583E-03	90-180	0.1495E-03
60-75.00	0.1579E-01	-7.5 TO 82.5	0.1096E-04	82.5-172.5	0.9755E-05	60	0- 90	0.9683E-04	90-180	0.8873E-04
75-90.00	0.1694E-01	-7.5 TO 82.5	0.1854E-05	82.5-172.5	0.1319E-05	75	0- 90	0.3551E-04	90-180	0.2923E-04
0-15.00	0.2502E-02	-7.5 TO 97.5	0.4230E-04	82.5-187.5	0.4182E-04	0	0-105	0.3024E-03	90-195	0.3024E-03
15-30.00	0.7528E-02	-7.5 TO 97.5	0.3826E-04	82.5-187.5	0.3725E-04	15	0-105	0.2887E-03	90-195	0.2838E-03
30-45.00	0.1213E-01	-7.5 TO 97.5	0.3073E-04	82.5-187.5	0.2933E-04	30	0-105	0.2463E-03	90-195	0.2378E-03
45-60.00	0.1581E-01	-7.5 TO 97.5	0.2111E-04	82.5-187.5	0.1974E-04	45	0-105	0.1838E-03	90-195	0.1741E-03
60-75.00	0.1842E-01	-7.5 TO 97.5	0.1086E-04	82.5-187.5	0.9735E-05	60	0-105	0.1121E-03	90-195	0.1032E-03
75-90.00	0.1976E-01	-7.5 TO 97.5	0.1809E-05	82.5-187.5	0.1293E-05	75	0-105	0.4079E-04	90-195	0.3382E-04

r_2/r_1 = 1.00 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0000 $\cosh \mu_2$ = 5.0000 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 143.66

0-15.00	0.3717E-03	-7.5 TO 7.5	0.1556E-03	82.5- 97.5	0.1527E-03	0	0- 15	0.1569E-03	90-105	0.1569E-03
15-30.00	0.1090E-02	-7.5 TO 7.5	0.1431E-03	82.5- 97.5	0.1371E-03	15	0- 15	0.1528E-03	90-105	0.1481E-03
30-45.00	0.1734E-02	-7.5 TO 7.5	0.1172E-03	82.5- 97.5	0.1093E-03	30	0- 15	0.1331E-03	90-105	0.1259E-03
45-60.00	0.2259E-02	-7.5 TO 7.5	0.8250E-04	82.5- 97.5	0.7631E-04	45	0- 15	0.1016E-03	90-105	0.9222E-04
60-75.00	0.2631E-02	-7.5 TO 7.5	0.4443E-04	82.5- 97.5	0.3746E-04	60	0- 15	0.6403E-04	90-105	0.5531E-04
75-90.00	0.2823E-02	-7.5 TO 7.5	0.8894E-05	82.5- 97.5	0.5667E-05	75	0- 15	0.2570E-04	90-105	0.1893E-04
0-15.00	0.7434E-03	-7.5 TO 22.5	0.1555E-03	82.5-112.5	0.1524E-03	0	0- 30	0.3137E-03	90-120	0.3137E-03
15-30.00	0.2179E-02	-7.5 TO 22.5	0.1430E-03	82.5-112.5	0.1354E-03	15	0- 30	0.3053E-03	90-120	0.2952E-03
30-45.00	0.3467E-02	-7.5 TO 22.5	0.1171E-03	82.5-112.5	0.1083E-03	30	0- 30	0.2656E-03	90-120	0.2482E-03
45-60.00	0.4518E-02	-7.5 TO 22.5	0.8235E-04	82.5-112.5	0.7329E-04	45	0- 30	0.2026E-03	90-120	0.1824E-03
60-75.00	0.5262E-02	-7.5 TO 22.5	0.4431E-04	82.5-112.5	0.3661E-04	60	0- 30	0.1275E-03	90-120	0.1088E-03
75-90.00	0.5647E-02	-7.5 TO 22.5	0.8826E-05	82.5-112.5	0.5290E-05	75	0- 30	0.5097E-04	90-120	0.3645E-04
0-15.00	0.1115E-02	-7.5 TO 37.5	0.1554E-03	82.5-127.5	0.1520E-03	0	0- 45	0.4706E-03	90-135	0.4706E-03
15-30.00	0.3269E-02	-7.5 TO 37.5	0.1428E-03	82.5-127.5	0.1357E-03	15	0- 45	0.4573E-03	90-135	0.4414E-03
30-45.00	0.5201E-02	-7.5 TO 37.5	0.1168E-03	82.5-127.5	0.1073E-03	30	0- 45	0.3972E-03	90-135	0.3699E-03
45-60.00	0.6778E-02	-7.5 TO 37.5	0.8202E-04	82.5-127.5	0.7234E-04	45	0- 45	0.3025E-03	90-135	0.2709E-03
60-75.00	0.7893E-02	-7.5 TO 37.5	0.4403E-04	82.5-127.5	0.3581E-04	60	0- 45	0.1899E-03	90-135	0.1505E-03
75-90.00	0.8470E-02	-7.5 TO 37.5	0.8676E-05	82.5-127.5	0.4946E-05	75	0- 45	0.7542E-04	90-135	0.5273E-04
0-15.00	0.1487E-02	-7.5 TO 52.5	0.1552E-03	82.5-142.5	0.1517E-03	0	0- 60	0.6274E-03	90-150	0.6274E-03
15-30.00	0.4359E-02	-7.5 TO 52.5	0.1424E-03	82.5-142.5	0.1353E-03	15	0- 60	0.6085E-03	90-150	0.5858E-03
30-45.00	0.6934E-02	-7.5 TO 52.5	0.1163E-03	82.5-142.5	0.1055E-03	30	0- 60	0.5275E-03	90-150	0.4903E-03
45-60.00	0.9037E-02	-7.5 TO 52.5	0.8153E-04	82.5-142.5	0.7147E-04	45	0- 60	0.4008E-03	90-150	0.3578E-03
60-75.00	0.1052E-01	-7.5 TO 52.5	0.4360E-04	82.5-142.5	0.3509E-04	60	0- 60	0.2509E-03	90-150	0.2112E-03
75-90.00	0.1129E-01	-7.5 TO 52.5	0.8468E-05	82.5-142.5	0.4955E-05	75	0- 60	0.9872E-04	90-150	0.6804E-04
0-15.00	0.1858E-02	-7.5 TO 67.5	0.1550E-03	82.5-157.5	0.1514E-03	0	0- 75	0.7843E-03	90-165	0.7843E-03
15-30.00	0.5449E-02	-7.5 TO 67.5	0.1420E-03	82.5-157.5	0.1344E-03	15	0- 75	0.7587E-03	90-165	0.7316E-03
30-45.00	0.8668E-02	-7.5 TO 67.5	0.1157E-03	82.5-157.5	0.1057E-03	30	0- 75	0.6562E-03	90-165	0.6099E-03
45-60.00	0.1130E-01	-7.5 TO 67.5	0.8099E-04	82.5-157.5	0.7071E-04	45	0- 75	0.4972E-03	90-165	0.4438E-03
60-75.00	0.1315E-01	-7.5 TO 67.5	0.4305E-04	82.5-157.5	0.3445E-04	60	0- 75	0.3101E-03	90-165	0.2608E-03
75-90.00	0.1412E-01	-7.5 TO 67.5	0.8212E-05	82.5-157.5	0.4413E-05	75	0- 75	0.1207E-03	90-165	0.8265E-04
0-15.00	0.2230E-02	-7.5 TO 82.5	0.1548E-03	82.5-172.5	0.1512E-03	0	0- 90	0.9411E-03	90-180	0.9411E-03
15-30.00	0.6538E-02	-7.5 TO 82.5	0.1414E-03	82.5-172.5	0.1339E-03	15	0- 90	0.9079E-03	90-180	0.8752E-03
30-45.00	0.1040E-01	-7.5 TO 82.5	0.1149E-03	82.5-172.5	0.1051E-03	30	0- 90	0.7830E-03	90-180	0.7289E-03
45-60.00	0.1356E-01	-7.5 TO 82.5	0.8013E-04	82.5-172.5	0.7038E-04	45	0- 90	0.5916E-03	90-180	0.5293E-03
60-75.00	0.1579E-01	-7.5 TO 82.5	0.4241E-04	82.5-172.5	0.3394E-04	60	0- 90	0.3674E-03	90-180	0.3100E-03
75-90.00	0.1594E-01	-7.5 TO 82.5	0.7917E-05	82.5-172.5	0.4219E-05	75	0- 90	0.1411E-03	90-180	0.9692E-04
0-15.00	0.2602E-02	-7.5 TO 97.5	0.1545E-03	82.5-187.5	0.1510E-03	0	0-105	0.1098E-02	90-195	0.1098E-02
15-30.00	0.7528E-02	-7.5 TO 97.5	0.1408E-03	82.5-187.5	0.1335E-03	15	0-105	0.1056E-02	90-195	0.1021E-02
30-45.00	0.1213E-01	-7.5 TO 97.5	0.1141E-03	82.5-187.5	0.1045E-03	30	0-105	0.9080E-03	90-195	0.8480E-03
45-60.00	0.1581E-01	-7.5 TO 97.5	0.7930E-04	82.5-187.5	0.5950E-04	45	0-105	0.6838E-03	90-195	0.6148E-03
60-75.00	0.1842E-01	-7.5 TO 97.5	0.4171E-04	82.5-187.5	0.3353E-04	60	0-105	0.4227E-03	90-195	0.3591E-03
75-90.00	0.1976E-01	-7.5 TO 97.5	0.7596E-05	82.5-187.5	0.4071E-05	75	0-105	0.1600E-03	90-195	0.1112E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 10.000 cosh μ_1 = 5.0000 cosh μ_2 = 5.0000 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 126.20

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3717E-03	-7.5 TO 7.5	0.3009E-03	82.5- 97.5	0.2929E-03	0	0- 15	0.3007E-03	90-105	0.3007E-03
15-30.00	0.1090E-02	-7.5 TO 7.5	0.2830E-03	82.5- 97.5	0.2531E-03	15	0- 15	0.2968E-03	90-105	0.2835E-03
30-45.00	0.1734E-02	-7.5 TO 7.5	0.2325E-03	82.5- 97.5	0.2099E-03	30	0- 15	0.2620E-03	90-105	0.2392E-03
45-60.00	0.2259E-02	-7.5 TO 7.5	0.1662E-03	82.5- 97.5	0.1430E-03	45	0- 15	0.2029E-03	90-105	0.1764E-03
60-75.00	0.2631E-02	-7.5 TO 7.5	0.9191E-04	82.5- 97.5	0.7223E-04	60	0- 15	0.1303E-03	90-105	0.1057E-03
75-90.00	0.2823E-02	-7.5 TO 7.5	0.2090E-04	82.5- 97.5	0.1133E-04	75	0- 15	0.5497E-04	90-105	0.3607E-04
0-15.00	0.7434E-03	-7.5 TO 22.5	0.3007E-03	82.5-112.5	0.2919E-03	0	0- 30	0.6015E-03	90-120	0.6015E-03
15-30.00	0.2179E-02	-7.5 TO 22.5	0.2797E-03	82.5-112.5	0.2610E-03	15	0- 30	0.5928E-03	90-120	0.5643E-03
30-45.00	0.3467E-02	-7.5 TO 22.5	0.2321E-03	82.5-112.5	0.2071E-03	30	0- 30	0.5225E-03	90-120	0.4734E-03
45-60.00	0.4518E-02	-7.5 TO 22.5	0.1657E-03	82.5-112.5	0.1432E-03	45	0- 30	0.4041E-03	90-120	0.3472E-03
60-75.00	0.5262E-02	-7.5 TO 22.5	0.9155E-04	82.5-112.5	0.6995E-04	60	0- 30	0.2590E-03	90-120	0.2054E-03
75-90.00	0.5647E-02	-7.5 TO 22.5	0.2067E-04	82.5-112.5	0.1033E-04	75	0- 30	0.1087E-03	90-120	0.6834E-04
0-15.00	0.1115E-02	-7.5 TO 37.5	0.3004E-03	82.5-127.5	0.2899E-03	0	0- 45	0.9022E-03	90-135	0.9022E-03
15-30.00	0.3269E-02	-7.5 TO 37.5	0.2791E-03	82.5-127.5	0.2590E-03	15	0- 45	0.8873E-03	90-135	0.8424E-03
30-45.00	0.5201E-02	-7.5 TO 37.5	0.2312E-03	82.5-127.5	0.2056E-03	30	0- 45	0.7839E-03	90-135	0.7033E-03
45-60.00	0.6778E-02	-7.5 TO 37.5	0.1648E-03	82.5-127.5	0.1375E-03	45	0- 45	0.6021E-03	90-135	0.5130E-03
60-75.00	0.7893E-02	-7.5 TO 37.5	0.9074E-04	82.5-127.5	0.6779E-04	60	0- 45	0.3848E-03	90-135	0.3027E-03
75-90.00	0.8470E-02	-7.5 TO 37.5	0.2017E-04	82.5-127.5	0.9154E-05	75	0- 45	0.1601E-03	90-135	0.9734E-04
0-15.00	0.1487E-02	-7.5 TO 52.5	0.3000E-03	82.5-142.5	0.2900E-03	0	0- 60	0.1203E-02	90-150	0.1203E-02
15-30.00	0.4359E-02	-7.5 TO 52.5	0.2781E-03	82.5-142.5	0.2572E-03	15	0- 60	0.1180E-02	90-150	0.1118E-02
30-45.00	0.6934E-02	-7.5 TO 52.5	0.2298E-03	82.5-142.5	0.2021E-03	30	0- 60	0.1034E-02	90-150	0.9297E-03
45-60.00	0.9037E-02	-7.5 TO 52.5	0.1634E-03	82.5-142.5	0.1392E-03	45	0- 60	0.7956E-03	90-150	0.5750E-03
60-75.00	0.1052E-01	-7.5 TO 52.5	0.8953E-04	82.5-142.5	0.6584E-04	60	0- 60	0.5063E-03	90-150	0.3954E-03
75-90.00	0.1129E-01	-7.5 TO 52.5	0.1945E-04	82.5-142.5	0.8427E-05	75	0- 60	0.2082E-03	90-150	0.1238E-03
0-15.00	0.1858E-02	-7.5 TO 67.5	0.2993E-03	82.5-157.5	0.2893E-03	0	0- 75	0.1504E-02	90-165	0.1504E-02
15-30.00	0.5449E-02	-7.5 TO 67.5	0.2767E-03	82.5-157.5	0.2555E-03	15	0- 75	0.1469E-02	90-165	0.1393E-02
30-45.00	0.8668E-02	-7.5 TO 67.5	0.2280E-03	82.5-157.5	0.2000E-03	30	0- 75	0.1284E-02	90-165	0.1154E-02
45-60.00	0.1130E-01	-7.5 TO 67.5	0.1616E-03	82.5-157.5	0.1331E-03	45	0- 75	0.9838E-03	90-165	0.8342E-03
60-75.00	0.1315E-01	-7.5 TO 67.5	0.8798E-04	82.5-157.5	0.6415E-04	60	0- 75	0.6229E-03	90-165	0.4858E-03
75-90.00	0.1412E-01	-7.5 TO 67.5	0.1861E-04	82.5-157.5	0.7825E-05	75	0- 75	0.2525E-03	90-165	0.1484E-03
0-15.00	0.2230E-02	-7.5 TO 82.5	0.2986E-03	82.5-172.5	0.2885E-03	0	0- 90	0.1804E-02	90-180	0.1804E-02
15-30.00	0.6538E-02	-7.5 TO 82.5	0.2752E-03	82.5-172.5	0.2542E-03	15	0- 90	0.1756E-02	90-180	0.1667E-02
30-45.00	0.1040E-01	-7.5 TO 82.5	0.2259E-03	82.5-172.5	0.1983E-03	30	0- 90	0.1528E-02	90-180	0.1376E-02
45-60.00	0.1356E-01	-7.5 TO 82.5	0.1594E-03	82.5-172.5	0.1314E-03	45	0- 90	0.1166E-02	90-180	0.9920E-03
60-75.00	0.1579E-01	-7.5 TO 82.5	0.8616E-04	82.5-172.5	0.6275E-04	60	0- 90	0.7340E-03	90-180	0.5749E-03
75-90.00	0.1694E-01	-7.5 TO 82.5	0.1770E-04	82.5-172.5	0.7340E-05	75	0- 90	0.2927E-03	90-180	0.1722E-03
0-15.00	0.2502E-02	-7.5 TO 97.5	0.2978E-03	82.5-187.5	0.2881E-03	0	0-105	0.2105E-02	90-195	0.2105E-02
15-30.00	0.7528E-02	-7.5 TO 97.5	0.2735E-03	82.5-187.5	0.2532E-03	15	0-105	0.2039E-02	90-195	0.1961E-02
30-45.00	0.1213E-01	-7.5 TO 97.5	0.2237E-03	82.5-187.5	0.1970E-03	30	0-105	0.1767E-02	90-195	0.1599E-02
45-60.00	0.1581E-01	-7.5 TO 97.5	0.1571E-03	82.5-187.5	0.1301E-03	45	0-105	0.1342E-02	90-195	0.1150E-02
60-75.00	0.1842E-01	-7.5 TO 97.5	0.8418E-04	82.5-187.5	0.6153E-04	60	0-105	0.8398E-03	90-195	0.6540E-03
75-90.00	0.1976E-01	-7.5 TO 97.5	0.1675E-04	82.5-187.5	0.6969E-05	75	0-105	0.3288E-03	90-195	0.1960E-03

r_2/r_1 = 1.00 d/r_1 = 10.000 cosh μ_1 = 5.0000 cosh μ_2 = 5.0000 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 109.47

0-15.00	0.3717E-03	-7.5 TO 7.5	0.4318E-03	82.5- 97.5	0.4170E-03	0	0- 15	0.4281E-03	90-105	0.4281E-03
15-30.00	0.1090E-02	-7.5 TO 7.5	0.4064E-03	82.5- 97.5	0.3749E-03	15	0- 15	0.4278E-03	90-105	0.4032E-03
30-45.00	0.1734E-02	-7.5 TO 7.5	0.3415E-03	82.5- 97.5	0.2994E-03	30	0- 15	0.3823E-03	90-105	0.3398E-03
45-60.00	0.2259E-02	-7.5 TO 7.5	0.2474E-03	82.5- 97.5	0.2043E-03	45	0- 15	0.2999E-03	90-105	0.2506E-03
60-75.00	0.2631E-02	-7.5 TO 7.5	0.1397E-03	82.5- 97.5	0.1036E-03	60	0- 15	0.1956E-03	90-105	0.1503E-03
75-90.00	0.2823E-02	-7.5 TO 7.5	0.3468E-04	82.5- 97.5	0.1597E-04	75	0- 15	0.8548E-04	90-105	0.5124E-04
0-15.00	0.7434E-03	-7.5 TO 22.5	0.4316E-03	82.5-112.5	0.4151E-03	0	0- 30	0.8562E-03	90-120	0.8562E-03
15-30.00	0.2179E-02	-7.5 TO 22.5	0.4058E-03	82.5-112.5	0.3739E-03	15	0- 30	0.8541E-03	90-120	0.8010E-03
30-45.00	0.3467E-02	-7.5 TO 22.5	0.3408E-03	82.5-112.5	0.2943E-03	30	0- 30	0.7619E-03	90-120	0.6705E-03
45-60.00	0.4518E-02	-7.5 TO 22.5	0.2466E-03	82.5-112.5	0.1932E-03	45	0- 30	0.5966E-03	90-120	0.4910E-03
60-75.00	0.5262E-02	-7.5 TO 22.5	0.1390E-03	82.5-112.5	0.9947E-04	60	0- 30	0.3883E-03	90-120	0.2915E-03
75-90.00	0.5647E-02	-7.5 TO 22.5	0.3425E-04	82.5-112.5	0.1424E-04	75	0- 30	0.1687E-03	90-120	0.9586E-04
0-15.00	0.1115E-02	-7.5 TO 37.5	0.4310E-03	82.5-127.5	0.4133E-03	0	0- 45	0.1284E-02	90-135	0.1284E-02
15-30.00	0.3269E-02	-7.5 TO 37.5	0.4046E-03	82.5-127.5	0.3672E-03	15	0- 45	0.1277E-02	90-135	0.1194E-02
30-45.00	0.5201E-02	-7.5 TO 37.5	0.3390E-03	82.5-127.5	0.2895E-03	30	0- 45	0.1136E-02	90-135	0.9933E-03
45-60.00	0.6778E-02	-7.5 TO 37.5	0.2448E-03	82.5-127.5	0.1965E-03	45	0- 45	0.8874E-03	90-135	0.7224E-03
60-75.00	0.7893E-02	-7.5 TO 37.5	0.1375E-03	82.5-127.5	0.9554E-04	60	0- 45	0.5753E-03	90-135	0.4248E-03
75-90.00	0.8470E-02	-7.5 TO 37.5	0.3329E-04	82.5-127.5	0.1278E-04	75	0- 45	0.2475E-03	90-135	0.1349E-03
0-15.00	0.1487E-02	-7.5 TO 52.5	0.4301E-03	82.5-142.5	0.4117E-03	0	0- 60	0.1712E-02	90-150	0.1712E-02
15-30.00	0.4359E-02	-7.5 TO 52.5	0.4027E-03	82.5-142.5	0.3639E-03	15	0- 60	0.1697E-02	90-150	0.1583E-02
30-45.00	0.6934E-02	-7.5 TO 52.5	0.3365E-03	82.5-142.5	0.2851E-03	30	0- 60	0.1504E-02	90-150	0.1310E-02
45-60.00	0.9037E-02	-7.5 TO 52.5	0.2422E-03	82.5-142.5	0.1902E-03	45	0- 60	0.1170E-02	90-150	0.9469E-03
60-75.00	0.1052E-01	-7.5 TO 52.5	0.1352E-03	82.5-142.5	0.9221E-04	60	0- 60	0.7546E-03	90-150	0.5520E-03
75-90.00	0.1129E-01	-7.5 TO 52.5	0.3190E-04	82.5-142.5	0.1157E-04	75	0- 60	0.3294E-03	90-150	0.1696E-03
0-15.00	0.1858E-02	-7.5 TO 67.5	0.4290E-03	82.5-157.5	0.4102E-03	0	0- 75	0.2143E-02	90-165	0.2140E-02
15-30.00	0.5449E-02	-7.5 TO 67.5	0.4022E-03	82.5-157.5	0.3639E-03	15	0- 75	0.2111E-02	90-165	0.1979E-02
30-45.00	0.8668E-02	-7.5 TO 67.5	0.3332E-03	82.5-157.5	0.2813E-03	30	0- 75	0.1863E-02	90-165	0.1622E-02
45-60.00	0.1130E-01	-7.5 TO 67.5	0.2388E-03	82.5-157.5	0.1865E-03	45	0- 75	0.1442E-02	90-165	0.1166E-02
60-75.00	0.1315E-01	-7.5 TO 67.5	0.1323E-03	82.5-157.5	0.8925E-04	60	0- 75	0.9246E-03	90-165	0.6749E-03
75-90.00	0.1412E-01	-7.5 TO 67.5	0.3024E-04	82.5-157.5	0.1357E-04	75	0- 75	0.3863E-03	90-165	0.2013E-03
0-15.00	0.2230E-02	-7.5 TO 82.5	0.4276E-03	82.5-172.5	0.4090E-03	0	0- 90	0.2568E-02	90-180	0.2568E-02
15-30.00	0.6538E-02	-7.5 TO 82.5	0.3973E-03	82.5-172.5	0.3583E-03	15	0- 90	0.2520E-02	90-180	0.2355E-02
30-45.00	0.1040E-01	-7.5 TO 82.5	0.3293E-03	82.5-172.5	0.2792E-03	30	0- 90	0.2212E-02	90-180	0.1931E-02
45-60.00	0.1356E-01	-7.5 TO 82.5	0.2348E-03	82.5-172.5	0.1834E-03	45	0- 90	0.1704E-02	90-180	0.1383E-02
60-75.00	0.1579E-01	-7.5 TO 82.5	0.1290E-03	82.5-172.5	0.8603E-04	60	0- 90	0.1085E-02	90-180	0.7957E-03
75-90.00	0.1694E-01	-7.5 TO 82.5	0.2840E-04	82.5-172.5	0.9772E-05	75	0- 90	0.4448E-03	90-180	0.2315E-03
0-15.00	0.2502E-02	-7.5 TO 97.5	0.4261E-03	82.5-187.5	0.4081E-03	0	0-105	0.2997E-02	90-195	0.2997E-02
15-30.00	0.7528E-02	-7.5 TO 97.5	0.3941E-03	82.5-187.5	0.3565E-03	15	0-105	0.2923E-02	90-195	0.2740E-02
30-45.00	0.1213E-01	-7.5 TO 97.5	0.3250E-03	82.5-187.5	0.2758E-03	30	0-105	0.2552E-02	90-195	0.2241E-02
45-60.00	0.1581E-01	-7.5 TO 97.5	0.2304E-03	82.5-187.5	0.1810E-03	45	0-105	0.1954E-02	90-195	0.1600E-02
60-75.00	0.1842E-01	-7.5 TO 97.5	0.1254E-03	82.5-187.5	0.8497E-04	60	0-105	0.1235E-02	90-195	0.9165E-03
75-90.00	0.1976E-01	-7.5 TO 97.5	0.2670E-04	82.5-187.5	0.9150E-05	75	0-105	0.4950E-03	90-195	0.2518E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0000 $\cosh \mu_2$ = 5.0000 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 93.56

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3717E-03	-7.5 TO 7.5	0.5114E-03	82.5- 97.5	0.4897E-03	0	0- 15	0.5026E-03	90-105	0.5026E-03
15-30.00	0.1090E-02	-7.5 TO 7.5	0.4865E-03	82.5- 97.5	0.4405E-03	15	0- 15	0.5087E-03	90-105	0.4728E-03
30-45.00	0.1734E-02	-7.5 TO 7.5	0.4136E-03	82.5- 97.5	0.3522E-03	30	0- 15	0.4501E-03	90-105	0.3982E-03
45-60.00	0.2259E-02	-7.5 TO 7.5	0.3303E-03	82.5- 97.5	0.2493E-03	45	0- 15	0.3652E-03	90-105	0.2937E-03
60-75.00	0.2631E-02	-7.5 TO 7.5	0.1735E-03	82.5- 97.5	0.1225E-03	60	0- 15	0.2411E-03	90-105	0.1753E-03
75-90.00	0.2823E-02	-7.5 TO 7.5	0.4528E-04	82.5- 97.5	0.1933E-04	75	0- 15	0.1077E-03	90-105	0.6016E-04
0-15.00	0.7434E-03	-7.5 TO 22.5	0.5110E-03	82.5-112.5	0.4870E-03	0	0- 30	0.1005E-02	90-120	0.1005E-02
15-30.00	0.2179E-02	-7.5 TO 22.5	0.4857E-03	82.5-112.5	0.4348E-03	15	0- 30	0.1015E-02	90-120	0.9377E-03
30-45.00	0.3467E-02	-7.5 TO 22.5	0.4125E-03	82.5-112.5	0.3449E-03	30	0- 30	0.9164E-03	90-120	0.7833E-03
45-60.00	0.4518E-02	-7.5 TO 22.5	0.3019E-03	82.5-112.5	0.2336E-03	45	0- 30	0.7257E-03	90-120	0.5728E-03
60-75.00	0.5262E-02	-7.5 TO 22.5	0.1726E-03	82.5-112.5	0.1153E-03	60	0- 30	0.4779E-03	90-120	0.3398E-03
75-90.00	0.5647E-02	-7.5 TO 22.5	0.4468E-04	82.5-112.5	0.1676E-04	75	0- 30	0.2121E-03	90-120	0.1116E-03
0-15.00	0.1115E-02	-7.5 TO 37.5	0.5102E-03	82.5-127.5	0.4843E-03	0	0- 45	0.1508E-02	90-135	0.1508E-02
15-30.00	0.3269E-02	-7.5 TO 37.5	0.4839E-03	82.5-127.5	0.4295E-03	15	0- 45	0.1517E-02	90-135	0.1395E-02
30-45.00	0.5201E-02	-7.5 TO 37.5	0.4099E-03	82.5-127.5	0.3383E-03	30	0- 45	0.1365E-02	90-135	0.1157E-02
45-60.00	0.6778E-02	-7.5 TO 37.5	0.2993E-03	82.5-127.5	0.2269E-03	45	0- 45	0.1077E-02	90-135	0.8394E-03
60-75.00	0.7893E-02	-7.5 TO 37.5	0.1704E-03	82.5-127.5	0.1115E-03	60	0- 45	0.7065E-03	90-135	0.4926E-03
75-90.00	0.8470E-02	-7.5 TO 37.5	0.4333E-04	82.5-127.5	0.1438E-04	75	0- 45	0.3134E-03	90-135	0.1557E-03
0-15.00	0.1487E-02	-7.5 TO 52.5	0.5089E-03	82.5-142.5	0.4820E-03	0	0- 60	0.2011E-02	90-150	0.2011E-02
15-30.00	0.4359E-02	-7.5 TO 52.5	0.4811E-03	82.5-142.5	0.4245E-03	15	0- 60	0.2014E-02	90-150	0.1868E-02
30-45.00	0.5934E-02	-7.5 TO 52.5	0.4062E-03	82.5-142.5	0.3318E-03	30	0- 60	0.1803E-02	90-150	0.1522E-02
45-60.00	0.9037E-02	-7.5 TO 52.5	0.2954E-03	82.5-142.5	0.2239E-03	45	0- 60	0.1417E-02	90-150	0.1096E-02
60-75.00	0.1052E-01	-7.5 TO 52.5	0.1671E-03	82.5-142.5	0.1059E-03	60	0- 60	0.9239E-03	90-150	0.6370E-03
75-90.00	0.1129E-01	-7.5 TO 52.5	0.4136E-04	82.5-142.5	0.1334E-04	75	0- 60	0.4002E-03	90-150	0.1942E-03
0-15.00	0.1858E-02	-7.5 TO 67.5	0.5072E-03	82.5-157.5	0.4799E-03	0	0- 75	0.2513E-02	90-165	0.2513E-02
15-30.00	0.5449E-02	-7.5 TO 67.5	0.4775E-03	82.5-157.5	0.4203E-03	15	0- 75	0.2503E-02	90-165	0.2297E-02
30-45.00	0.8668E-02	-7.5 TO 67.5	0.4013E-03	82.5-157.5	0.3254E-03	30	0- 75	0.2229E-02	90-165	0.1880E-02
45-60.00	0.1130E-01	-7.5 TO 67.5	0.2904E-03	82.5-157.5	0.2157E-03	45	0- 75	0.1742E-02	90-165	0.1345E-02
60-75.00	0.1315E-01	-7.5 TO 67.5	0.1630E-03	82.5-157.5	0.1029E-03	60	0- 75	0.1128E-02	90-165	0.7756E-03
75-90.00	0.1412E-01	-7.5 TO 67.5	0.3899E-04	82.5-157.5	0.1238E-04	75	0- 75	0.4804E-03	90-165	0.2290E-03
0-15.00	0.2230E-02	-7.5 TO 82.5	0.5052E-03	82.5-172.5	0.4781E-03	0	0- 90	0.3016E-02	90-180	0.3016E-02
15-30.00	0.6538E-02	-7.5 TO 82.5	0.4732E-03	82.5-172.5	0.4158E-03	15	0- 90	0.2984E-02	90-180	0.2743E-02
30-45.00	0.1040E-01	-7.5 TO 82.5	0.3957E-03	82.5-172.5	0.3219E-03	30	0- 90	0.2641E-02	90-180	0.2235E-02
45-60.00	0.1356E-01	-7.5 TO 82.5	0.2847E-03	82.5-172.5	0.2114E-03	45	0- 90	0.2051E-02	90-180	0.1592E-02
60-75.00	0.1579E-01	-7.5 TO 82.5	0.1583E-03	82.5-172.5	0.9973E-04	60	0- 90	0.1318E-02	90-180	0.9113E-03
75-90.00	0.1694E-01	-7.5 TO 82.5	0.3649E-04	82.5-172.5	0.1107E-04	75	0- 90	0.5503E-03	90-180	0.2620E-03
0-15.00	0.2502E-02	-7.5 TO 97.5	0.5030E-03	82.5-187.5	0.4758E-03	0	0-105	0.3519E-02	90-195	0.3519E-02
15-30.00	0.7628E-02	-7.5 TO 97.5	0.4686E-03	82.5-187.5	0.4141E-03	15	0-105	0.3456E-02	90-195	0.3190E-02
30-45.00	0.1213E-01	-7.5 TO 97.5	0.3895E-03	82.5-187.5	0.3185E-03	30	0-105	0.3039E-02	90-195	0.2590E-02
45-60.00	0.1581E-01	-7.5 TO 97.5	0.2784E-03	82.5-187.5	0.2092E-03	45	0-105	0.2345E-02	90-195	0.1838E-02
60-75.00	0.1842E-01	-7.5 TO 97.5	0.1532E-03	82.5-187.5	0.9722E-04	60	0-105	0.1494E-02	90-195	0.1047E-02
75-90.00	0.1976E-01	-7.5 TO 97.5	0.3400E-04	82.5-187.5	0.1033E-04	75	0-105	0.6105E-03	90-195	0.2950E-03

r_2/r_1 = 1.00 d/r_1 = 10.000 $\cosh \mu_1$ = 5.0000 $\cosh \mu_2$ = 5.0000 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 78.46

0-15.00	0.3717E-03	-7.5 TO 7.5	0.5264E-03	82.5- 97.5	0.5012E-03	0	0- 15	0.5144E-03	90-105	0.5144E-03
15-30.00	0.1090E-02	-7.5 TO 7.5	0.5049E-03	82.5- 97.5	0.4510E-03	15	0- 15	0.5252E-03	90-105	0.4834E-03
30-45.00	0.1734E-02	-7.5 TO 7.5	0.4331E-03	82.5- 97.5	0.3638E-03	30	0- 15	0.4795E-03	90-105	0.4069E-03
45-60.00	0.2259E-02	-7.5 TO 7.5	0.3201E-03	82.5- 97.5	0.2469E-03	45	0- 15	0.3841E-03	90-105	0.3001E-03
60-75.00	0.2631E-02	-7.5 TO 7.5	0.1849E-03	82.5- 97.5	0.1257E-03	60	0- 15	0.2558E-03	90-105	0.1801E-03
75-90.00	0.2823E-02	-7.5 TO 7.5	0.4910E-04	82.5- 97.5	0.1958E-04	75	0- 15	0.1154E-03	90-105	0.6154E-04
0-15.00	0.7434E-03	-7.5 TO 22.5	0.5259E-03	82.5-112.5	0.4980E-03	0	0- 30	0.1029E-02	90-120	0.1029E-02
15-30.00	0.2179E-02	-7.5 TO 22.5	0.5039E-03	82.5-112.5	0.4445E-03	15	0- 30	0.1048E-02	90-120	0.9579E-03
30-45.00	0.3467E-02	-7.5 TO 22.5	0.4318E-03	82.5-112.5	0.3525E-03	30	0- 30	0.9544E-03	90-120	0.7990E-03
45-60.00	0.4518E-02	-7.5 TO 22.5	0.3187E-03	82.5-112.5	0.2388E-03	45	0- 30	0.7625E-03	90-120	0.5839E-03
60-75.00	0.5262E-02	-7.5 TO 22.5	0.1837E-03	82.5-112.5	0.1194E-03	60	0- 30	0.5063E-03	90-120	0.3463E-03
75-90.00	0.5647E-02	-7.5 TO 22.5	0.4840E-04	82.5-112.5	0.1717E-04	75	0- 30	0.2269E-03	90-120	0.1137E-03
0-15.00	0.1115E-02	-7.5 TO 37.5	0.5249E-03	82.5-127.5	0.4951E-03	0	0- 45	0.1543E-02	90-135	0.1543E-02
15-30.00	0.3269E-02	-7.5 TO 37.5	0.5017E-03	82.5-127.5	0.4384E-03	15	0- 45	0.1555E-02	90-135	0.1424E-02
30-45.00	0.5201E-02	-7.5 TO 37.5	0.4287E-03	82.5-127.5	0.3447E-03	30	0- 45	0.1420E-02	90-135	0.1173E-02
45-60.00	0.6778E-02	-7.5 TO 37.5	0.3156E-03	82.5-127.5	0.2313E-03	45	0- 45	0.1130E-02	90-135	0.8538E-03
60-75.00	0.7893E-02	-7.5 TO 37.5	0.1811E-03	82.5-127.5	0.1138E-03	60	0- 45	0.7470E-03	90-135	0.5008E-03
75-90.00	0.8470E-02	-7.5 TO 37.5	0.4684E-04	82.5-127.5	0.1519E-04	75	0- 45	0.3312E-03	90-135	0.1583E-03
0-15.00	0.1487E-02	-7.5 TO 52.5	0.5234E-03	82.5-142.5	0.4923E-03	0	0- 60	0.2058E-02	90-150	0.2058E-02
15-30.00	0.4359E-02	-7.5 TO 52.5	0.4984E-03	82.5-142.5	0.4329E-03	15	0- 60	0.2076E-02	90-150	0.1885E-02
30-45.00	0.5934E-02	-7.5 TO 52.5	0.4242E-03	82.5-142.5	0.3378E-03	30	0- 60	0.1874E-02	90-150	0.1548E-02
45-60.00	0.9037E-02	-7.5 TO 52.5	0.3109E-03	82.5-142.5	0.2247E-03	45	0- 60	0.1484E-02	90-150	0.1113E-02
60-75.00	0.1052E-01	-7.5 TO 52.5	0.1772E-03	82.5-142.5	0.1088E-03	60	0- 60	0.9743E-03	90-150	0.6463E-03
75-90.00	0.1129E-01	-7.5 TO 52.5	0.4458E-04	82.5-142.5	0.1359E-04	75	0- 60	0.4258E-03	90-150	0.1970E-03
0-15.00	0.1858E-02	-7.5 TO 67.5	0.5214E-03	82.5-157.5	0.4900E-03	0	0- 75	0.2572E-02	90-165	0.2572E-02
15-30.00	0.5449E-02	-7.5 TO 67.5	0.4942E-03	82.5-157.5	0.4281E-03	15	0- 75	0.2578E-02	90-165	0.2341E-02
30-45.00	0.8668E-02	-7.5 TO 67.5	0.4184E-03	82.5-157.5	0.3318E-03	30	0- 75	0.2312E-02	90-165	0.1910E-02
45-60.00	0.1130E-01	-7.5 TO 67.5	0.3050E-03	82.5-157.5	0.2191E-03	45	0- 75	0.1820E-02	90-165	0.1365E-02
60-75.00	0.1315E-01	-7.5 TO 67.5	0.1724E-03	82.5-157.5	0.1045E-03	60	0- 75	0.1186E-02	90-165	0.7857E-03
75-90.00	0.1412E-01	-7.5 TO 67.5	0.4189E-04	82.5-157.5	0.1228E-04	75	0- 75	0.5093E-03	90-165	0.2320E-03
0-15.00	0.2230E-02	-7.5 TO 82.5	0.5191E-03	82.5-172.5	0.4883E-03	0	0- 90	0.3086E-02	90-180	0.3086E-02
15-30.00	0.6538E-02	-7.5 TO 82.5	0.4892E-03	82.5-172.5	0.4242E-03	15	0- 90	0.3071E-02	90-180	0.2794E-02
30-45.00	0.1040E-01	-7.5 TO 82.5	0.4117E-03	82.5-172.5	0.3269E-03	30	0- 90	0.2735E-02	90-180	0.2268E-02
45-60.00	0.1356E-01	-7.5 TO 82.5	0.2982E-03	82.5-172.5	0.2145E-03	45	0- 90	0.2137E-02	90-180	0.1612E-02
60-75.00	0.1579E-01	-7.5 TO 82.5	0.1669E-03	82.5-172.5	0.1011E-03	60	0- 90	0.1382E-02	90-180	0.9221E-03
75-90.00	0.1694E-01	-7.5 TO 82.5	0.3907E-04	82.5-172.5	0.1124E-04	75	0- 90	0.5815E-03	90-180	0.2551E-03
0-15.00	0.2502E-02	-7.5 TO 97.5	0.5166E-03	82.5-187.5	0.4855E-03	0	0-105	0.3601E-02	90-195	0.3601E-02
15-30.00	0.7628E-02	-7.5 TO 97.5	0.4837E-03	82.5-187.5	0.4211E-03	15	0-105	0.3554E-02	90-195	0.3248E-02
30-45.00	0.1213E-01	-7.5 TO 97.5	0.4045E-03	82.5-187.5	0.3231E-03	30	0-105	0.3142E-02	90-195	0.2527E-02
45-60.00	0.1581E-01	-7.5 TO 97.5	0.2909E-03	82.5-187.5	0.2109E-03	45	0-105	0.2438E-02	90-195	0.1860E-02
60-75.00	0.1842E-01	-7.5 TO 97.5	0.1610E-03	82.5-187.5	0.9845E-04	60	0-105	0.1562E-02	90-195	0.1058E-02
75-90.00	0.1976E-01	-7.5 TO 97.5	0.3629E-04	82.5-187.5	0.1045E-04	75	0-105	0.6430E-03	90-195	0.2981E-03

TABLE I. - Continued. *CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH*

(k) Continued. Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0000 $\cosh \mu_2$ = 10.0000 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 163.44

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.9011E-04	-7.5 TO 7.5	0.8432E-05	82.5- 97.5	0.8431E-05	0	0- 15	0.8580E-05	90-105	0.8580E-05
15-30.00	0.2542E-03	-7.5 TO 7.5	0.7772E-05	82.5- 97.5	0.7705E-05	15	0- 15	0.8268E-05	90-105	0.8216E-05
30-45.00	0.4203E-03	-7.5 TO 7.5	0.6530E-05	82.5- 97.5	0.5405E-05	30	0- 15	0.7276E-05	90-105	0.7184E-05
45-60.00	0.5477E-03	-7.5 TO 7.5	0.4766E-05	82.5- 97.5	0.4663E-05	45	0- 15	0.5732E-05	90-105	0.5618E-05
60-75.00	0.6378E-03	-7.5 TO 7.5	0.2764E-05	82.5- 97.5	0.2668E-05	60	0- 15	0.3818E-05	90-105	0.3703E-05
75-90.00	0.5844E-03	-7.5 TO 7.5	0.7138E-06	82.5- 97.5	0.6421E-06	75	0- 15	0.1734E-05	90-105	0.1635E-05
0-15.00	0.1802E-03	-7.5 TO 22.5	0.8431E-05	82.5-112.5	0.8397E-05	0	0- 30	0.1716E-04	90-120	0.1716E-04
15-30.00	0.5284E-03	-7.5 TO 22.5	0.7771E-05	82.5-112.5	0.7696E-05	15	0- 30	0.1653E-04	90-120	0.1642E-04
30-45.00	0.8405E-03	-7.5 TO 22.5	0.6498E-05	82.5-112.5	0.6394E-05	30	0- 30	0.1455E-04	90-120	0.1435E-04
45-60.00	0.1095E-02	-7.5 TO 22.5	0.4765E-05	82.5-112.5	0.4549E-05	45	0- 30	0.1146E-04	90-120	0.1121E-04
60-75.00	0.1276E-02	-7.5 TO 22.5	0.2763E-05	82.5-112.5	0.2656E-05	60	0- 30	0.7630E-05	90-120	0.7381E-05
75-90.00	0.1369E-02	-7.5 TO 22.5	0.7126E-06	82.5-112.5	0.6330E-06	75	0- 30	0.3462E-05	90-120	0.3248E-05
0-15.00	0.2703E-03	-7.5 TO 37.5	0.8430E-05	82.5-127.5	0.8393E-05	0	0- 45	0.2574E-04	90-135	0.2574E-04
15-30.00	0.7925E-03	-7.5 TO 37.5	0.7769E-05	82.5-127.5	0.7688E-05	15	0- 45	0.2479E-04	90-135	0.2461E-04
30-45.00	0.1261E-02	-7.5 TO 37.5	0.6494E-05	82.5-127.5	0.6382E-05	30	0- 45	0.2181E-04	90-135	0.2149E-04
45-60.00	0.1643E-02	-7.5 TO 37.5	0.4761E-05	82.5-127.5	0.4637E-05	45	0- 45	0.1717E-04	90-135	0.1678E-04
60-75.00	0.1913E-02	-7.5 TO 37.5	0.2759E-05	82.5-127.5	0.2644E-05	60	0- 45	0.1143E-04	90-135	0.1104E-04
75-90.00	0.2053E-02	-7.5 TO 37.5	0.7097E-06	82.5-127.5	0.6243E-06	75	0- 45	0.5179E-05	90-135	0.4841E-05
0-15.00	0.3604E-03	-7.5 TO 52.5	0.8428E-05	82.5-142.5	0.8389E-05	0	0- 60	0.3432E-04	90-150	0.3432E-04
15-30.00	0.1057E-02	-7.5 TO 52.5	0.7765E-05	82.5-142.5	0.7683E-05	15	0- 60	0.3304E-04	90-150	0.3280E-04
30-45.00	0.1681E-02	-7.5 TO 52.5	0.6489E-05	82.5-142.5	0.6371E-05	30	0- 60	0.2905E-04	90-150	0.2862E-04
45-60.00	0.2191E-02	-7.5 TO 52.5	0.4754E-05	82.5-142.5	0.4625E-05	45	0- 60	0.2286E-04	90-150	0.2233E-04
60-75.00	0.2551E-02	-7.5 TO 52.5	0.2753E-05	82.5-142.5	0.2633E-05	60	0- 60	0.1521E-04	90-150	0.1457E-04
75-90.00	0.2738E-02	-7.5 TO 52.5	0.7055E-06	82.5-142.5	0.6153E-06	75	0- 60	0.6879E-05	90-150	0.6419E-05
0-15.00	0.4505E-03	-7.5 TO 67.5	0.8426E-05	82.5-157.5	0.8385E-05	0	0- 75	0.4290E-04	90-165	0.4290E-04
15-30.00	0.1321E-02	-7.5 TO 67.5	0.7759E-05	82.5-157.5	0.7674E-05	15	0- 75	0.4128E-04	90-165	0.4093E-04
30-45.00	0.2101E-02	-7.5 TO 67.5	0.6482E-05	82.5-157.5	0.6352E-05	30	0- 75	0.3628E-04	90-165	0.3574E-04
45-60.00	0.2738E-02	-7.5 TO 67.5	0.4746E-05	82.5-157.5	0.4615E-05	45	0- 75	0.2853E-04	90-165	0.2787E-04
60-75.00	0.3189E-02	-7.5 TO 67.5	0.2744E-05	82.5-157.5	0.2624E-05	60	0- 75	0.1896E-04	90-165	0.1829E-04
75-90.00	0.3422E-02	-7.5 TO 67.5	0.6999E-06	82.5-157.5	0.5093E-06	75	0- 75	0.8559E-05	90-165	0.7985E-05
0-15.00	0.5406E-03	-7.5 TO 82.5	0.8423E-05	82.5-172.5	0.8384E-05	0	0- 90	0.5148E-04	90-180	0.5148E-04
15-30.00	0.1585E-02	-7.5 TO 82.5	0.7753E-05	82.5-172.5	0.7658E-05	15	0- 90	0.4951E-04	90-180	0.4915E-04
30-45.00	0.2522E-02	-7.5 TO 82.5	0.6473E-05	82.5-172.5	0.6336E-05	30	0- 90	0.4348E-04	90-180	0.4285E-04
45-60.00	0.3286E-02	-7.5 TO 82.5	0.4737E-05	82.5-172.5	0.4607E-05	45	0- 90	0.3418E-04	90-180	0.3340E-04
60-75.00	0.3827E-02	-7.5 TO 82.5	0.2737E-05	82.5-172.5	0.2616E-05	60	0- 90	0.2269E-04	90-180	0.2191E-04
75-90.00	0.4107E-02	-7.5 TO 82.5	0.6934E-06	82.5-172.5	0.5035E-06	75	0- 90	0.1022E-04	90-180	0.9545E-05
0-15.00	0.6307E-03	-7.5 TO 97.5	0.8420E-05	82.5-187.5	0.8382E-05	0	0-105	0.6006E-04	90-195	0.6006E-04
15-30.00	0.1849E-02	-7.5 TO 97.5	0.7746E-05	82.5-187.5	0.7654E-05	15	0-105	0.5772E-04	90-195	0.5733E-04
30-45.00	0.2942E-02	-7.5 TO 97.5	0.6463E-05	82.5-187.5	0.6348E-05	30	0-105	0.5067E-04	90-195	0.4995E-04
45-60.00	0.3834E-02	-7.5 TO 97.5	0.4726E-05	82.5-187.5	0.4603E-05	45	0-105	0.3980E-04	90-195	0.3893E-04
60-75.00	0.4465E-02	-7.5 TO 97.5	0.2727E-05	82.5-187.5	0.2610E-05	60	0-105	0.2640E-04	90-195	0.2553E-04
75-90.00	0.4791E-02	-7.5 TO 97.5	0.6860E-06	82.5-187.5	0.5990E-06	75	0-105	0.1185E-04	90-195	0.1111E-04

r_2/r_1 = 1.00 d/r_1 = 20.000 $\cosh \mu_1$ = 10.0000 $\cosh \mu_2$ = 10.0000 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 147.00

0-15.00	0.9011E-04	-7.5 TO 7.5	0.3122E-04	82.5- 97.5	0.3099E-04	0	0- 15	0.3165E-04	90-105	0.3165E-04
15-30.00	0.2642E-03	-7.5 TO 7.5	0.2892E-04	82.5- 97.5	0.2843E-04	15	0- 15	0.3067E-04	90-105	0.3029E-04
30-45.00	0.4203E-03	-7.5 TO 7.5	0.2433E-04	82.5- 97.5	0.2369E-04	30	0- 15	0.2714E-04	90-105	0.2646E-04
45-60.00	0.5477E-03	-7.5 TO 7.5	0.1797E-04	82.5- 97.5	0.1721E-04	45	0- 15	0.2152E-04	90-105	0.2068E-04
60-75.00	0.6378E-03	-7.5 TO 7.5	0.1055E-04	82.5- 97.5	0.9849E-05	60	0- 15	0.1446E-04	90-105	0.1362E-04
75-90.00	0.5844E-03	-7.5 TO 7.5	0.2891E-05	82.5- 97.5	0.2374E-05	75	0- 15	0.6717E-05	90-105	0.5999E-05
0-15.00	0.1802E-03	-7.5 TO 22.5	0.3122E-04	82.5-112.5	0.3096E-04	0	0- 30	0.6331E-04	90-120	0.6331E-04
15-30.00	0.5284E-03	-7.5 TO 22.5	0.2891E-04	82.5-112.5	0.2836E-04	15	0- 30	0.6131E-04	90-120	0.6049E-04
30-45.00	0.8405E-03	-7.5 TO 22.5	0.2431E-04	82.5-112.5	0.2355E-04	30	0- 30	0.5425E-04	90-120	0.5278E-04
45-60.00	0.1095E-02	-7.5 TO 22.5	0.1795E-04	82.5-112.5	0.1711E-04	45	0- 30	0.4299E-04	90-120	0.4118E-04
60-75.00	0.1276E-02	-7.5 TO 22.5	0.1054E-04	82.5-112.5	0.9751E-05	60	0- 30	0.2887E-04	90-120	0.2706E-04
75-90.00	0.1369E-02	-7.5 TO 22.5	0.2882E-05	82.5-112.5	0.2339E-05	75	0- 30	0.1339E-04	90-120	0.1184E-04
0-15.00	0.2703E-03	-7.5 TO 37.5	0.3121E-04	82.5-127.5	0.3093E-04	0	0- 45	0.9496E-04	90-135	0.9495E-04
15-30.00	0.7925E-03	-7.5 TO 37.5	0.2889E-04	82.5-127.5	0.2833E-04	15	0- 45	0.9191E-04	90-135	0.9051E-04
30-45.00	0.1261E-02	-7.5 TO 37.5	0.2429E-04	82.5-127.5	0.2345E-04	30	0- 45	0.8127E-04	90-135	0.7895E-04
45-60.00	0.1643E-02	-7.5 TO 37.5	0.1792E-04	82.5-127.5	0.1702E-04	45	0- 45	0.6436E-04	90-135	0.6152E-04
60-75.00	0.1913E-02	-7.5 TO 37.5	0.1051E-04	82.5-127.5	0.9677E-05	60	0- 45	0.4318E-04	90-135	0.4033E-04
75-90.00	0.2053E-02	-7.5 TO 37.5	0.2861E-05	82.5-127.5	0.2247E-05	75	0- 45	0.1998E-04	90-135	0.1754E-04
0-15.00	0.3604E-03	-7.5 TO 52.5	0.3119E-04	82.5-142.5	0.3091E-04	0	0- 60	0.1266E-03	90-150	0.1266E-03
15-30.00	0.1057E-02	-7.5 TO 52.5	0.2885E-04	82.5-142.5	0.2825E-04	15	0- 60	0.1224E-03	90-150	0.1237E-03
30-45.00	0.1681E-02	-7.5 TO 52.5	0.2425E-04	82.5-142.5	0.2339E-04	30	0- 60	0.1082E-03	90-150	0.1050E-03
45-60.00	0.2191E-02	-7.5 TO 52.5	0.1788E-04	82.5-142.5	0.1694E-04	45	0- 60	0.8559E-04	90-150	0.8172E-04
60-75.00	0.2551E-02	-7.5 TO 52.5	0.1047E-04	82.5-142.5	0.9600E-05	60	0- 60	0.5736E-04	90-150	0.5347E-04
75-90.00	0.2738E-02	-7.5 TO 52.5	0.2830E-05	82.5-142.5	0.2194E-05	75	0- 60	0.2645E-04	90-150	0.2313E-04
0-15.00	0.4505E-03	-7.5 TO 67.5	0.3118E-04	82.5-157.5	0.3088E-04	0	0- 75	0.1583E-03	90-165	0.1583E-03
15-30.00	0.1321E-02	-7.5 TO 67.5	0.2882E-04	82.5-157.5	0.2820E-04	15	0- 75	0.1529E-03	90-165	0.1507E-03
30-45.00	0.2101E-02	-7.5 TO 67.5	0.2419E-04	82.5-157.5	0.2332E-04	30	0- 75	0.1350E-03	90-165	0.1310E-03
45-60.00	0.2738E-02	-7.5 TO 67.5	0.1782E-04	82.5-157.5	0.1686E-04	45	0- 75	0.1067E-03	90-165	0.1018E-03
60-75.00	0.3189E-02	-7.5 TO 67.5	0.1041E-04	82.5-157.5	0.9532E-05	60	0- 75	0.7136E-04	90-165	0.6652E-04
75-90.00	0.3422E-02	-7.5 TO 67.5	0.2790E-05	82.5-157.5	0.2150E-05	75	0- 75	0.3277E-04	90-165	0.2864E-04
0-15.00	0.5406E-03	-7.5 TO 82.5	0.3115E-04	82.5-172.5	0.3087E-04	0	0- 90	0.1899E-03	90-180	0.1899E-03
15-30.00	0.1585E-02	-7.5 TO 82.5	0.2878E-04	82.5-172.5	0.2816E-04	15	0- 90	0.1833E-03	90-180	0.1807E-03
30-45.00	0.2522E-02	-7.5 TO 82.5	0.2413E-04	82.5-172.5	0.2325E-04	30	0- 90	0.1616E-03	90-180	0.1570E-03
45-60.00	0.3286E-02	-7.5 TO 82.5	0.1775E-04	82.5-172.5	0.1693E-04	45	0- 90	0.1275E-03	90-180	0.1219E-03
60-75.00	0.3827E-02	-7.5 TO 82.5	0.1035E-04	82.5-172.5	0.9476E-05	60	0- 90	0.8518E-04	90-180	0.7951E-04
75-90.00	0.4107E-02	-7.5 TO 82.5	0.2743E-05	82.5-172.5	0.2114E-05	75	0- 90	0.3893E-04	90-180	0.3411E-04
0-15.00	0.6307E-03	-7.5 TO 97.5	0.3113E-04	82.5-187.5	0.3085E-04	0	0-105	0.2216E-03	90-195	0.2215E-03
15-30.00	0.1849E-02	-7.5 TO 97.5	0.2873E-04	82.5-187.5	0.2813E-04	15	0-105	0.2136E-03	90-195	0.2107E-03
30-45.00	0.2942E-02	-7.5 TO 97.5	0.2406E-04	82.5-187.5	0.2322E-04	30	0-105	0.1880E-03	90-195	0.1829E-03
45-60.00	0.3834E-02	-7.5 TO 97.5	0.1767E-04	82.5-187.5	0.1675E-04	45	0-105	0.1482E-03	90-195	0.1419E-03
60-75.00	0.4465E-02	-7.5 TO 97.5	0.1028E-04	82.5-187.5	0.9433E-05	60	0-105	0.9880E-04	90-195	0.9251E-04
75-90.00	0.4791E-02	-7.5 TO 97.5	0.2690E-05	82.5-187.5	0.2087E-05	75	0-105	0.4493E-04	90-195	0.3958E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 20.000 cosh μ_1 = 10.0000 cosh μ_2 = 10.0000 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 130.79

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.9011E-04	-7.5 TO 7.5	0.6153E-04	82.5- 97.5	0.5037E-04	0	0- 15	0.6216E-04	90-105	0.6216E-04
15-30.00	0.2642E-03	-7.5 TO 7.5	0.5728E-04	82.5- 97.5	0.5584E-04	15	0- 15	0.6055E-04	90-105	0.5944E-04
30-45.00	0.4203E-03	-7.5 TO 7.5	0.4844E-04	82.5- 97.5	0.4644E-04	30	0- 15	0.5389E-04	90-105	0.5191E-04
45-60.00	0.5477E-03	-7.5 TO 7.5	0.3601E-04	82.5- 97.5	0.3382E-04	45	0- 15	0.4298E-04	90-105	0.4055E-04
60-75.00	0.6378E-03	-7.5 TO 7.5	0.2138E-04	82.5- 97.5	0.1937E-04	60	0- 15	0.2911E-04	90-105	0.2669E-04
75-90.00	0.6844E-03	-7.5 TO 7.5	0.5136E-05	82.5- 97.5	0.4675E-05	75	0- 15	0.1378E-04	90-105	0.1173E-04
0-15.00	0.1802E-03	-7.5 TO 22.5	0.6152E-04	82.5-112.5	0.6078E-04	0	0- 30	0.1243E-03	90-120	0.1243E-03
15-30.00	0.5284E-03	-7.5 TO 22.5	0.5725E-04	82.5-112.5	0.5555E-04	15	0- 30	0.1210E-03	90-120	0.1186E-03
30-45.00	0.8405E-03	-7.5 TO 22.5	0.4841E-04	82.5-112.5	0.4619E-04	30	0- 30	0.1077E-03	90-120	0.1034E-03
45-60.00	0.1095E-02	-7.5 TO 22.5	0.3597E-04	82.5-112.5	0.3354E-04	45	0- 30	0.8581E-04	90-120	0.8057E-04
60-75.00	0.1276E-02	-7.5 TO 22.5	0.2134E-04	82.5-112.5	0.1912E-04	60	0- 30	0.5808E-04	90-120	0.5285E-04
75-90.00	0.1369E-02	-7.5 TO 22.5	0.5110E-05	82.5-112.5	0.4495E-05	75	0- 30	0.2743E-04	90-120	0.2302E-04
0-15.00	0.2703E-03	-7.5 TO 37.5	0.6150E-04	82.5-127.5	0.6070E-04	0	0- 45	0.1865E-03	90-135	0.1865E-03
15-30.00	0.7925E-03	-7.5 TO 37.5	0.5720E-04	82.5-127.5	0.5548E-04	15	0- 45	0.1814E-03	90-135	0.1776E-03
30-45.00	0.1261E-02	-7.5 TO 37.5	0.4833E-04	82.5-127.5	0.4594E-04	30	0- 45	0.1612E-03	90-135	0.1545E-03
45-60.00	0.1643E-02	-7.5 TO 37.5	0.3589E-04	82.5-127.5	0.3323E-04	45	0- 45	0.1284E-03	90-135	0.1231E-33
60-75.00	0.1913E-02	-7.5 TO 37.5	0.2126E-04	82.5-127.5	0.1888E-04	60	0- 45	0.8675E-04	90-135	0.7855E-04
75-90.00	0.2053E-02	-7.5 TO 37.5	0.6052E-05	82.5-127.5	0.4332E-05	75	0- 45	0.4083E-04	90-135	0.3992E-04
0-15.00	0.3604E-03	-7.5 TO 52.5	0.6146E-04	82.5-142.5	0.6052E-04	0	0- 60	0.2487E-03	90-150	0.2487E-03
15-30.00	0.1057E-02	-7.5 TO 52.5	0.5711E-04	82.5-142.5	0.5531E-04	15	0- 60	0.2416E-03	90-150	0.2364E-03
30-45.00	0.1681E-02	-7.5 TO 52.5	0.4821E-04	82.5-142.5	0.4572E-04	30	0- 60	0.2144E-03	90-150	0.2052E-03
45-60.00	0.2191E-02	-7.5 TO 52.5	0.3576E-04	82.5-142.5	0.3334E-04	45	0- 60	0.1705E-03	90-150	0.1593E-33
60-75.00	0.2551E-02	-7.5 TO 52.5	0.2114E-04	82.5-142.5	0.1886E-04	60	0- 60	0.1150E-03	90-150	0.1039E-33
75-90.00	0.2738E-02	-7.5 TO 52.5	0.5963E-05	82.5-142.5	0.4197E-05	75	0- 60	0.5389E-04	90-150	0.4451E-04
0-15.00	0.4505E-03	-7.5 TO 67.5	0.6141E-04	82.5-157.5	0.6035E-04	0	0- 75	0.3108E-03	90-165	0.3108E-03
15-30.00	0.1321E-02	-7.5 TO 67.5	0.5700E-04	82.5-157.5	0.5517E-04	15	0- 75	0.3015E-03	90-165	0.2951E-03
30-45.00	0.2101E-02	-7.5 TO 67.5	0.4809E-04	82.5-157.5	0.4552E-04	30	0- 75	0.2672E-03	90-165	0.2558E-03
45-60.00	0.2738E-02	-7.5 TO 67.5	0.3559E-04	82.5-157.5	0.3283E-04	45	0- 75	0.2122E-03	90-165	0.1982E-03
60-75.00	0.3189E-02	-7.5 TO 67.5	0.2099E-04	82.5-157.5	0.1847E-04	60	0- 75	0.1428E-03	90-165	0.1289E-03
75-90.00	0.3422E-02	-7.5 TO 67.5	0.5849E-05	82.5-157.5	0.4035E-05	75	0- 75	0.6654E-04	90-165	0.5488E-04
0-15.00	0.5406E-03	-7.5 TO 82.5	0.6134E-04	82.5-172.5	0.6050E-04	0	0- 90	0.3730E-03	90-180	0.3730E-03
15-30.00	0.1585E-02	-7.5 TO 82.5	0.5687E-04	82.5-172.5	0.5505E-04	15	0- 90	0.3612E-03	90-180	0.3537E-03
30-45.00	0.2522E-02	-7.5 TO 82.5	0.4787E-04	82.5-172.5	0.4536E-04	30	0- 90	0.3196E-03	90-180	0.3062E-03
45-60.00	0.3286E-02	-7.5 TO 82.5	0.3538E-04	82.5-172.5	0.3266E-04	45	0- 90	0.2533E-03	90-180	0.2369E-03
60-75.00	0.3827E-02	-7.5 TO 82.5	0.2080E-04	82.5-172.5	0.1831E-04	60	0- 90	0.1701E-03	90-180	0.1538E-03
75-90.00	0.4107E-02	-7.5 TO 82.5	0.5719E-05	82.5-172.5	0.3995E-05	75	0- 90	0.7874E-04	90-180	0.6514E-04
0-15.00	0.6307E-03	-7.5 TO 97.5	0.6128E-04	82.5-187.5	0.6045E-04	0	0-105	0.4352E-03	90-195	0.4352E-03
15-30.00	0.1849E-02	-7.5 TO 97.5	0.5672E-04	82.5-187.5	0.5495E-04	15	0-105	0.4207E-03	90-195	0.4123E-03
30-45.00	0.2942E-02	-7.5 TO 97.5	0.4766E-04	82.5-187.5	0.4523E-04	30	0-105	0.3715E-03	90-195	0.3555E-03
45-60.00	0.3834E-02	-7.5 TO 97.5	0.3516E-04	82.5-187.5	0.3252E-04	45	0-105	0.2938E-03	90-195	0.2757E-03
60-75.00	0.4465E-02	-7.5 TO 97.5	0.2060E-04	82.5-187.5	0.1819E-04	60	0-105	0.1967E-03	90-195	0.1788E-03
75-90.00	0.4791E-02	-7.5 TO 97.5	0.5567E-05	82.5-187.5	0.3927E-05	75	0-105	0.9047E-04	90-195	0.7540E-04

r_2/r_1 = 1.00 d/r_1 = 20.000 cosh μ_1 = 10.0000 cosh μ_2 = 10.0000 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 114.90

0-15.00	0.9011E-04	-7.5 TO 7.5	0.9050E-04	82.5- 97.5	0.8921E-04	0	0- 15	0.9111E-04	90-105	0.9111E-04
15-30.00	0.2642E-03	-7.5 TO 7.5	0.8464E-04	82.5- 97.5	0.8184E-04	15	0- 15	0.8922E-04	90-105	0.8706E-04
30-45.00	0.4203E-03	-7.5 TO 7.5	0.7196E-04	82.5- 97.5	0.6808E-04	30	0- 15	0.7983E-04	90-105	0.7600E-04
45-60.00	0.5477E-03	-7.5 TO 7.5	0.5381E-04	82.5- 97.5	0.4950E-04	45	0- 15	0.6402E-04	90-105	0.5934E-04
60-75.00	0.6378E-03	-7.5 TO 7.5	0.3222E-04	82.5- 97.5	0.2842E-04	60	0- 15	0.4365E-04	90-105	0.3904E-04
75-90.00	0.6844E-03	-7.5 TO 7.5	0.9559E-05	82.5- 97.5	0.6877E-05	75	0- 15	0.2095E-04	90-105	0.1714E-04
0-15.00	0.1802E-03	-7.5 TO 22.5	0.9048E-04	82.5-112.5	0.8904E-04	0	0- 30	0.1822E-03	90-120	0.1822E-03
15-30.00	0.5284E-03	-7.5 TO 22.5	0.8459E-04	82.5-112.5	0.8149E-04	15	0- 30	0.1783E-03	90-120	0.1736E-03
30-45.00	0.8405E-03	-7.5 TO 22.5	0.7189E-04	82.5-112.5	0.6759E-04	30	0- 30	0.1594E-03	90-120	0.1512E-03
45-60.00	0.1095E-02	-7.5 TO 22.5	0.5373E-04	82.5-112.5	0.4938E-04	45	0- 30	0.1277E-03	90-120	0.1177E-03
60-75.00	0.1276E-02	-7.5 TO 22.5	0.3215E-04	82.5-112.5	0.2795E-04	60	0- 30	0.8702E-04	90-120	0.7709E-04
75-90.00	0.1369E-02	-7.5 TO 22.5	0.9511E-05	82.5-112.5	0.6953E-05	75	0- 30	0.4166E-04	90-120	0.3348E-04
0-15.00	0.2703E-03	-7.5 TO 37.5	0.9043E-04	82.5-127.5	0.8888E-04	0	0- 45	0.2733E-03	90-135	0.2733E-03
15-30.00	0.7925E-03	-7.5 TO 37.5	0.8448E-04	82.5-127.5	0.8115E-04	15	0- 45	0.2671E-03	90-135	0.2598E-03
30-45.00	0.1261E-02	-7.5 TO 37.5	0.7174E-04	82.5-127.5	0.6713E-04	30	0- 45	0.2386E-03	90-135	0.2256E-03
45-60.00	0.1643E-02	-7.5 TO 37.5	0.5357E-04	82.5-127.5	0.4858E-04	45	0- 45	0.1909E-03	90-135	0.1751E-03
60-75.00	0.1913E-02	-7.5 TO 37.5	0.3203E-04	82.5-127.5	0.2751E-04	60	0- 45	0.1298E-03	90-135	0.1143E-03
75-90.00	0.2053E-02	-7.5 TO 37.5	0.9402E-05	82.5-127.5	0.5270E-05	75	0- 45	0.6191E-04	90-135	0.4910E-04
0-15.00	0.3604E-03	-7.5 TO 52.5	0.9035E-04	82.5-142.5	0.8874E-04	0	0- 60	0.3644E-03	90-150	0.3644E-03
15-30.00	0.1057E-02	-7.5 TO 52.5	0.8432E-04	82.5-142.5	0.8084E-04	15	0- 60	0.3556E-03	90-150	0.3456E-03
30-45.00	0.1681E-02	-7.5 TO 52.5	0.7151E-04	82.5-142.5	0.6673E-04	30	0- 60	0.3171E-03	90-150	0.2993E-03
45-60.00	0.2191E-02	-7.5 TO 52.5	0.5331E-04	82.5-142.5	0.4813E-04	45	0- 60	0.2533E-03	90-150	0.2318E-03
60-75.00	0.2551E-02	-7.5 TO 52.5	0.3177E-04	82.5-142.5	0.2711E-04	60	0- 60	0.1719E-03	90-150	0.1507E-03
75-90.00	0.2738E-02	-7.5 TO 52.5	0.9238E-05	82.5-142.5	0.5037E-05	75	0- 60	0.8152E-04	90-150	0.5415E-04
0-15.00	0.4505E-03	-7.5 TO 67.5	0.9025E-04	82.5-157.5	0.8861E-04	0	0- 75	0.4555E-03	90-165	0.4555E-03
15-30.00	0.1321E-02	-7.5 TO 67.5	0.8410E-04	82.5-157.5	0.8057E-04	15	0- 75	0.4437E-03	90-165	0.4312E-03
30-45.00	0.2101E-02	-7.5 TO 67.5	0.7121E-04	82.5-157.5	0.6633E-04	30	0- 75	0.3948E-03	90-165	0.3727E-03
45-60.00	0.2738E-02	-7.5 TO 67.5	0.5299E-04	82.5-157.5	0.4773E-04	45	0- 75	0.3148E-03	90-165	0.2880E-03
60-75.00	0.3189E-02	-7.5 TO 67.5	0.3147E-04	82.5-157.5	0.2676E-04	60	0- 75	0.2130E-03	90-165	0.1867E-03
75-90.00	0.3422E-02	-7.5 TO 67.5	0.9028E-05	82.5-157.5	0.5043E-05	75	0- 75	0.1004E-03	90-165	0.7883E-04
0-15.00	0.5406E-03	-7.5 TO 82.5	0.9014E-04	82.5-172.5	0.8850E-04	0	0- 90	0.5466E-03	90-180	0.5466E-03
15-30.00	0.1585E-02	-7.5 TO 82.5	0.8384E-04	82.5-172.5	0.8034E-04	15	0- 90	0.5312E-03	90-180	0.5166E-03
30-45.00	0.2522E-02	-7.5 TO 82.5	0.7085E-04	82.5-172.5	0.6602E-04	30	0- 90	0.4717E-03	90-180	0.4459E-03
45-60.00	0.3286E-02	-7.5 TO 82.5	0.5260E-04	82.5-172.5	0.4743E-04	45	0- 90	0.3752E-03	90-180	0.3439E-03
60-75.00	0.3827E-02	-7.5 TO 82.5	0.3112E-04	82.5-172.5	0.2647E-04	60	0- 90	0.2531E-03	90-180	0.2224E-03
75-90.00	0.4107E-02	-7.5 TO 82.5	0.8781E-05	82.5-172.5	0.5691E-05	75	0- 90	0.1184E-03	90-180	0.9329E-04
0-15.00	0.6307E-03	-7.5 TO 97.5	0.9000E-04	82.5-187.5	0.8842E-04	0	0-105	0.6378E-03	90-195	0.6378E-03
15-30.00	0.1849E-02	-7.5 TO 97.5	0.8356E-04	82.5-187.5	0.8016E-04	15	0-105	0.6183E-03	90-195	0.6020E-03
30-45.00	0.2942E-02	-7.5 TO 97.5	0.7046E-04	82.5-187.5	0.6578E-04	30	0-105	0.5477E-03	90-195	0.5190E-03
45-60.00	0.3834E-02	-7.5 TO 97.5	0.5217E-04	82.5-187.5	0.4715E-04	45	0-105	0.4345E-03	90-195	0.3998E-03
60-75.00	0.4465E-02	-7.5 TO 97.5	0.3074E-04	82.5-187.5	0.2624E-04	60	0-105	0.2921E-03	90-195	0.2582E-03
75-90.00	0.4791E-02	-7.5 TO 97.5	0.8509E-05	82.5-187.5	0.5563E-05	75	0-105	0.1355E-03	90-195	0.1078E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 20.000 cosh μ_1 = 10.0000 cosh μ_2 = 10.0000 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 99.38

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.9011E-04	-7.5 TO 7.5	0.1101E-03	82.5- 97.5	0.1031E-03	0	0- 15	0.1104E-03	90-105	0.1104E-03
15-30.00	0.2642E-03	-7.5 TO 7.5	0.1034E-03	82.5- 97.5	0.9918E-04	15	0- 15	0.1087E-03	90-105	0.1054E-03
30-45.00	0.4203E-03	-7.5 TO 7.5	0.8839E-04	82.5- 97.5	0.8253E-04	30	0- 15	0.9779E-04	90-105	0.9197E-04
45-60.00	0.5477E-03	-7.5 TO 7.5	0.6643E-04	82.5- 97.5	0.6015E-04	45	0- 15	0.7883E-04	90-105	0.7179E-04
60-75.00	0.6378E-03	-7.5 TO 7.5	0.4003E-04	82.5- 97.5	0.3449E-04	60	0- 15	0.5404E-04	90-105	0.4722E-04
75-90.00	0.6844E-03	-7.5 TO 7.5	0.1212E-04	82.5- 97.5	0.1035E-05	75	0- 15	0.2618E-04	90-105	0.2072E-04
0-15.00	0.1802E-03	-7.5 TO 22.5	0.1100E-03	82.5-112.5	0.1078E-03	0	0- 30	0.2208E-03	90-120	0.2208E-03
15-30.00	0.5284E-03	-7.5 TO 22.5	0.1034E-03	82.5-112.5	0.9854E-04	15	0- 30	0.2172E-03	90-120	0.2101E-03
30-45.00	0.8405E-03	-7.5 TO 22.5	0.8829E-04	82.5-112.5	0.8179E-04	30	0- 30	0.1952E-03	90-120	0.1827E-03
45-60.00	0.1095E-02	-7.5 TO 22.5	0.6632E-04	82.5-112.5	0.5937E-04	45	0- 30	0.1572E-03	90-120	0.1421E-03
60-75.00	0.1276E-02	-7.5 TO 22.5	0.3993E-04	82.5-112.5	0.3381E-04	60	0- 30	0.1077E-03	90-120	0.9300E-04
75-90.00	0.1369E-02	-7.5 TO 22.5	0.1205E-04	82.5-112.5	0.7916E-05	75	0- 30	0.5202E-04	90-120	0.4031E-04
0-15.00	0.2703E-03	-7.5 TO 37.5	0.1100E-03	82.5-127.5	0.1076E-03	0	0- 45	0.3312E-03	90-135	0.3312E-03
15-30.00	0.7925E-03	-7.5 TO 37.5	0.1032E-03	82.5-127.5	0.9813E-04	15	0- 45	0.3253E-03	90-135	0.3141E-03
30-45.00	0.1261E-02	-7.5 TO 37.5	0.8806E-04	82.5-127.5	0.8132E-04	30	0- 45	0.2920E-03	90-135	0.2722E-03
45-60.00	0.1643E-02	-7.5 TO 37.5	0.6607E-04	82.5-127.5	0.5864E-04	45	0- 45	0.2348E-03	90-135	0.2110E-03
60-75.00	0.1913E-02	-7.5 TO 37.5	0.3971E-04	82.5-127.5	0.3317E-04	60	0- 45	0.1605E-03	90-135	0.1375E-03
75-90.00	0.2053E-02	-7.5 TO 37.5	0.1189E-04	82.5-127.5	0.7537E-05	75	0- 45	0.7719E-04	90-135	0.5892E-04
0-15.00	0.3604E-03	-7.5 TO 52.5	0.1098E-03	82.5-142.5	0.1074E-03	0	0- 60	0.4416E-03	90-150	0.4416E-03
15-30.00	0.1057E-02	-7.5 TO 52.5	0.1029E-03	82.5-142.5	0.9765E-04	15	0- 60	0.4329E-03	90-150	0.4177E-03
30-45.00	0.1681E-02	-7.5 TO 52.5	0.8771E-04	82.5-142.5	0.8045E-04	30	0- 60	0.3878E-03	90-150	0.3609E-03
45-60.00	0.2191E-02	-7.5 TO 52.5	0.6569E-04	82.5-142.5	0.5797E-04	45	0- 60	0.3112E-03	90-150	0.2789E-03
60-75.00	0.2551E-02	-7.5 TO 52.5	0.3937E-04	82.5-142.5	0.3265E-04	60	0- 60	0.2121E-03	90-150	0.1810E-03
75-90.00	0.2738E-02	-7.5 TO 52.5	0.1166E-04	82.5-142.5	0.7225E-05	75	0- 60	0.1014E-03	90-150	0.7673E-04
0-15.00	0.4505E-03	-7.5 TO 67.5	0.1097E-03	82.5-157.5	0.1072E-03	0	0- 75	0.5520E-03	90-165	0.5520E-03
15-30.00	0.1321E-02	-7.5 TO 67.5	0.1026E-03	82.5-157.5	0.9724E-04	15	0- 75	0.5398E-03	90-165	0.5208E-03
30-45.00	0.2101E-02	-7.5 TO 67.5	0.8725E-04	82.5-157.5	0.7989E-04	30	0- 75	0.4824E-03	90-165	0.4489E-03
45-60.00	0.2738E-02	-7.5 TO 67.5	0.6520E-04	82.5-157.5	0.5738E-04	45	0- 75	0.3861E-03	90-165	0.3459E-03
60-75.00	0.3189E-02	-7.5 TO 67.5	0.3894E-04	82.5-157.5	0.3213E-04	60	0- 75	0.2624E-03	90-165	0.2237E-03
75-90.00	0.3422E-02	-7.5 TO 67.5	0.1137E-04	82.5-157.5	0.6968E-05	75	0- 75	0.1246E-03	90-165	0.9400E-04
0-15.00	0.5406E-03	-7.5 TO 82.5	0.1095E-03	82.5-172.5	0.1070E-03	0	0- 90	0.6623E-03	90-180	0.6623E-03
15-30.00	0.1585E-02	-7.5 TO 82.5	0.1022E-03	82.5-172.5	0.9692E-04	15	0- 90	0.6460E-03	90-180	0.6237E-03
30-45.00	0.2522E-02	-7.5 TO 82.5	0.8671E-04	82.5-172.5	0.7943E-04	30	0- 90	0.5757E-03	90-180	0.5366E-03
45-60.00	0.3286E-02	-7.5 TO 82.5	0.6462E-04	82.5-172.5	0.5690E-04	45	0- 90	0.4595E-03	90-180	0.4125E-03
60-75.00	0.3827E-02	-7.5 TO 82.5	0.3842E-04	82.5-172.5	0.3159E-04	60	0- 90	0.3111E-03	90-180	0.2661E-03
75-90.00	0.4107E-02	-7.5 TO 82.5	0.1102E-04	82.5-172.5	0.5761E-05	75	0- 90	0.1465E-03	90-180	0.1110E-03
0-15.00	0.6307E-03	-7.5 TO 97.5	0.1093E-03	82.5-187.5	0.1069E-03	0	0-105	0.7727E-03	90-195	0.7727E-03
15-30.00	0.1849E-02	-7.5 TO 97.5	0.1018E-03	82.5-187.5	0.9654E-04	15	0-105	0.7514E-03	90-195	0.7257E-03
30-45.00	0.2942E-02	-7.5 TO 97.5	0.8611E-04	82.5-187.5	0.7937E-04	30	0-105	0.6676E-03	90-195	0.6242E-03
45-60.00	0.3834E-02	-7.5 TO 97.5	0.6398E-04	82.5-187.5	0.5652E-04	45	0-105	0.5313E-03	90-195	0.4793E-03
60-75.00	0.4465E-02	-7.5 TO 97.5	0.3786E-04	82.5-187.5	0.3155E-04	60	0-105	0.3584E-03	90-195	0.3085E-03
75-90.00	0.4791E-02	-7.5 TO 97.5	0.1064E-04	82.5-187.5	0.5633E-05	75	0-105	0.1672E-03	90-195	0.1280E-03

r_2/r_1 = 1.00 d/r_1 = 20.000 cosh μ_1 = 10.0000 cosh μ_2 = 10.0000 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 84.26

0-15.00	0.9011E-04	-7.5 TO 7.5	0.1155E-03	82.5- 97.5	0.1130E-03	0	0- 15	0.1154E-03	90-105	0.1154E-03
15-30.00	0.2642E-03	-7.5 TO 7.5	0.1090E-03	82.5- 97.5	0.1037E-03	15	0- 15	0.1143E-03	90-105	0.1102E-03
30-45.00	0.4203E-03	-7.5 TO 7.5	0.9364E-04	82.5- 97.5	0.8631E-04	30	0- 15	0.1033E-03	90-105	0.9505E-04
45-60.00	0.5477E-03	-7.5 TO 7.5	0.7068E-04	82.5- 97.5	0.6293E-04	45	0- 15	0.8369E-04	90-105	0.7495E-04
60-75.00	0.6378E-03	-7.5 TO 7.5	0.4277E-04	82.5- 97.5	0.3609E-04	60	0- 15	0.5762E-04	90-105	0.4930E-04
75-90.00	0.6844E-03	-7.5 TO 7.5	0.1304E-04	82.5- 97.5	0.8756E-05	75	0- 15	0.2805E-04	90-105	0.2163E-04
0-15.00	0.1802E-03	-7.5 TO 22.5	0.1154E-03	82.5-112.5	0.1127E-03	0	0- 30	0.2308E-03	90-120	0.2308E-03
15-30.00	0.5284E-03	-7.5 TO 22.5	0.1089E-03	82.5-112.5	0.1030E-03	15	0- 30	0.2283E-03	90-120	0.2194E-03
30-45.00	0.8405E-03	-7.5 TO 22.5	0.9351E-04	82.5-112.5	0.8941E-04	30	0- 30	0.2062E-03	90-120	0.1906E-03
45-60.00	0.1095E-02	-7.5 TO 22.5	0.7055E-04	82.5-112.5	0.6139E-04	45	0- 30	0.1668E-03	90-120	0.1481E-03
60-75.00	0.1276E-02	-7.5 TO 22.5	0.4265E-04	82.5-112.5	0.3530E-04	60	0- 30	0.1147E-03	90-120	0.9688E-04
75-90.00	0.1369E-02	-7.5 TO 22.5	0.1297E-04	82.5-112.5	0.8266E-05	75	0- 30	0.5567E-04	90-120	0.4198E-04
0-15.00	0.2703E-03	-7.5 TO 37.5	0.1153E-03	82.5-127.5	0.1124E-03	0	0- 45	0.3463E-03	90-135	0.3463E-03
15-30.00	0.7925E-03	-7.5 TO 37.5	0.1087E-03	82.5-127.5	0.1024E-03	15	0- 45	0.3418E-03	90-135	0.3279E-03
30-45.00	0.1261E-02	-7.5 TO 37.5	0.9321E-04	82.5-127.5	0.8455E-04	30	0- 45	0.3082E-03	90-135	0.2837E-03
45-60.00	0.1643E-02	-7.5 TO 37.5	0.7023E-04	82.5-127.5	0.5811E-04	45	0- 45	0.2489E-03	90-135	0.2195E-03
60-75.00	0.1913E-02	-7.5 TO 37.5	0.4237E-04	82.5-127.5	0.3456E-04	60	0- 45	0.1708E-03	90-135	0.1433E-03
75-90.00	0.2053E-02	-7.5 TO 37.5	0.1279E-04	82.5-127.5	0.7849E-05	75	0- 45	0.8250E-04	90-135	0.6121E-04
0-15.00	0.3604E-03	-7.5 TO 52.5	0.1152E-03	82.5-142.5	0.1121E-03	0	0- 60	0.4617E-03	90-150	0.4617E-03
15-30.00	0.1057E-02	-7.5 TO 52.5	0.1084E-03	82.5-142.5	0.1018E-03	15	0- 60	0.4546E-03	90-150	0.4356E-03
30-45.00	0.1681E-02	-7.5 TO 52.5	0.9277E-04	82.5-142.5	0.8379E-04	30	0- 60	0.4090E-03	90-150	0.3757E-03
45-60.00	0.2191E-02	-7.5 TO 52.5	0.6975E-04	82.5-142.5	0.6031E-04	45	0- 60	0.3295E-03	90-150	0.2898E-03
60-75.00	0.2551E-02	-7.5 TO 52.5	0.4196E-04	82.5-142.5	0.3339E-04	60	0- 60	0.2254E-03	90-150	0.1879E-03
75-90.00	0.2738E-02	-7.5 TO 52.5	0.1252E-04	82.5-142.5	0.7507E-05	75	0- 60	0.1082E-03	90-150	0.7957E-04
0-15.00	0.4505E-03	-7.5 TO 67.5	0.1150E-03	82.5-157.5	0.1119E-03	0	0- 75	0.5771E-03	90-165	0.5771E-03
15-30.00	0.1321E-02	-7.5 TO 67.5	0.1080E-03	82.5-157.5	0.1013E-03	15	0- 75	0.5667E-03	90-165	0.5430E-03
30-45.00	0.2101E-02	-7.5 TO 67.5	0.9219E-04	82.5-157.5	0.8311E-04	30	0- 75	0.5083E-03	90-165	0.4669E-03
45-60.00	0.2738E-02	-7.5 TO 67.5	0.6914E-04	82.5-157.5	0.5962E-04	45	0- 75	0.4084E-03	90-165	0.3591E-03
60-75.00	0.3189E-02	-7.5 TO 67.5	0.4143E-04	82.5-157.5	0.3332E-04	60	0- 75	0.2784E-03	90-165	0.2319E-03
75-90.00	0.3422E-02	-7.5 TO 67.5	0.1217E-04	82.5-157.5	0.7225E-05	75	0- 75	0.1327E-03	90-165	0.9732E-04
0-15.00	0.5406E-03	-7.5 TO 82.5	0.1148E-03	82.5-172.5	0.1117E-03	0	0- 90	0.6925E-03	90-180	0.6925E-03
15-30.00	0.1585E-02	-7.5 TO 82.5	0.1075E-03	82.5-172.5	0.1009E-03	15	0- 90	0.6778E-03	90-180	0.6501E-03
30-45.00	0.2522E-02	-7.5 TO 82.5	0.9152E-04	82.5-172.5	0.8255E-04	30	0- 90	0.6060E-03	90-180	0.5577E-03
45-60.00	0.3286E-02	-7.5 TO 82.5	0.6863E-04	82.5-172.5	0.5905E-04	45	0- 90	0.4853E-03	90-180	0.4279E-03
60-75.00	0.3827E-02	-7.5 TO 82.5	0.4081E-04	82.5-172.5	0.3284E-04	60	0- 90	0.3295E-03	90-180	0.2756E-03
75-90.00	0.4107E-02	-7.5 TO 82.5	0.1178E-04	82.5-172.5	0.7030E-05	75	0- 90	0.1557E-03	90-180	0.1148E-03
0-15.00	0.6307E-03	-7.5 TO 97.5	0.1145E-03	82.5-187.5	0.1115E-03	0	0-105	0.8079E-03	90-195	0.8079E-03
15-30.00	0.1849E-02	-7.5 TO 97.5	0.1070E-03	82.5-187.5	0.1005E-03	15	0-105	0.7879E-03	90-195	0.7572E-03
30-45.00	0.2942E-02	-7.5 TO 97.5	0.9078E-04	82.5-187.5	0.8212E-04	30	0-105	0.7021E-03	90-195	0.6485E-03
45-60.00	0.3834E-02	-7.5 TO 97.5	0.6764E-04	82.5-187.5	0.5853E-04	45	0-105	0.5602E-03	90-195	0.4953E-03
60-75.00	0.4465E-02	-7.5 TO 97.5	0.4014E-04	82.5-187.5	0.3248E-04	60	0-105	0.3788E-03	90-195	0.3192E-03
75-90.00	0.4791E-02	-7.5 TO 97.5	0.1135E-04	82.5-187.5	0.6828E-05	75	0-105	0.1773E-03	90-195	0.1322E-03

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 50.000 cosh μ_1 = 25.0000 cosh μ_2 = 25.0000 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 164.39

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1430E-04	-7.5 TO 7.5	0.1189E-05	82.5- 97.5	0.1187E-05	0	0- 15	0.1210E-05	90-105	0.1210E-05
15-30.00	0.4191E-04	-7.5 TO 7.5	0.1103E-05	82.5- 97.5	0.1100E-05	15	0- 15	0.1167E-05	90-105	0.1165E-05
30-45.00	0.6667E-04	-7.5 TO 7.5	0.9383E-06	82.5- 97.5	0.9335E-06	30	0- 15	0.1039E-05	90-105	0.1035E-05
45-60.00	0.8689E-04	-7.5 TO 7.5	0.7080E-06	82.5- 97.5	0.7025E-06	45	0- 15	0.8376E-06	90-105	0.8316E-06
60-75.00	0.1012E-03	-7.5 TO 7.5	0.4320E-06	82.5- 97.5	0.4266E-06	60	0- 15	0.5793E-06	90-105	0.5730E-06
75-90.00	0.1086E-03	-7.5 TO 7.5	0.1341E-06	82.5- 97.5	0.1299E-06	75	0- 15	0.2860E-06	90-105	0.2803E-06
0-15.00	0.2859E-04	-7.5 TO 22.5	0.1189E-05	82.5-112.5	0.1187E-05	0	0- 30	0.2419E-05	90-120	0.2419E-05
15-30.00	0.8383E-04	-7.5 TO 22.5	0.1103E-05	82.5-112.5	0.1100E-05	15	0- 30	0.2335E-05	90-120	0.2329E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.9382E-06	82.5-112.5	0.9329E-06	30	0- 30	0.2079E-05	90-120	0.2068E-05
45-60.00	0.1738E-03	-7.5 TO 22.5	0.7079E-06	82.5-112.5	0.7018E-06	45	0- 30	0.1675E-05	90-120	0.1662E-05
60-75.00	0.2024E-03	-7.5 TO 22.5	0.4319E-06	82.5-112.5	0.4259E-06	60	0- 30	0.1158E-05	90-120	0.1145E-05
75-90.00	0.2172E-03	-7.5 TO 22.5	0.1340E-06	82.5-112.5	0.1293E-06	75	0- 30	0.5717E-06	90-120	0.5594E-06
0-15.00	0.4289E-04	-7.5 TO 37.5	0.1189E-05	82.5-127.5	0.1187E-05	0	0- 45	0.3629E-05	90-135	0.3629E-05
15-30.00	0.1257E-03	-7.5 TO 37.5	0.1103E-05	82.5-127.5	0.1099E-05	15	0- 45	0.3501E-05	90-135	0.3493E-05
30-45.00	0.2000E-03	-7.5 TO 37.5	0.9381E-06	82.5-127.5	0.9323E-06	30	0- 45	0.3117E-05	90-135	0.3101E-05
45-60.00	0.2607E-03	-7.5 TO 37.5	0.7077E-06	82.5-127.5	0.7011E-06	45	0- 45	0.2511E-05	90-135	0.2491E-05
60-75.00	0.3036E-03	-7.5 TO 37.5	0.4317E-06	82.5-127.5	0.4253E-06	60	0- 45	0.1736E-05	90-135	0.1715E-05
75-90.00	0.3258E-03	-7.5 TO 37.5	0.1338E-06	82.5-127.5	0.1288E-06	75	0- 45	0.8566E-06	90-135	0.8373E-06
0-15.00	0.5718E-04	-7.5 TO 52.5	0.1189E-05	82.5-142.5	0.1187E-05	0	0- 60	0.4839E-05	90-150	0.4839E-05
15-30.00	0.1677E-03	-7.5 TO 52.5	0.1103E-05	82.5-142.5	0.1099E-05	15	0- 60	0.4668E-05	90-150	0.4655E-05
30-45.00	0.2667E-03	-7.5 TO 52.5	0.9378E-06	82.5-142.5	0.9317E-06	30	0- 60	0.4155E-05	90-150	0.4133E-05
45-60.00	0.3476E-03	-7.5 TO 52.5	0.7074E-06	82.5-142.5	0.7005E-06	45	0- 60	0.3347E-05	90-150	0.3319E-05
60-75.00	0.4048E-03	-7.5 TO 52.5	0.4314E-06	82.5-142.5	0.4247E-06	60	0- 60	0.2314E-05	90-150	0.2284E-05
75-90.00	0.4344E-03	-7.5 TO 52.5	0.1336E-06	82.5-142.5	0.1283E-06	75	0- 60	0.1141E-05	90-150	0.1114E-05
0-15.00	0.7148E-04	-7.5 TO 67.5	0.1189E-05	82.5-157.5	0.1187E-05	0	0- 75	0.6048E-05	90-165	0.6048E-05
15-30.00	0.2096E-03	-7.5 TO 67.5	0.1103E-05	82.5-157.5	0.1098E-05	15	0- 75	0.5834E-05	90-165	0.5819E-05
30-45.00	0.3334E-03	-7.5 TO 67.5	0.9374E-06	82.5-157.5	0.9312E-06	30	0- 75	0.5192E-05	90-165	0.5155E-05
45-60.00	0.4345E-03	-7.5 TO 67.5	0.7069E-06	82.5-157.5	0.6999E-06	45	0- 75	0.4181E-05	90-165	0.4146E-05
60-75.00	0.5059E-03	-7.5 TO 67.5	0.4310E-06	82.5-157.5	0.4241E-06	60	0- 75	0.2889E-05	90-165	0.2853E-05
75-90.00	0.5429E-03	-7.5 TO 67.5	0.1333E-06	82.5-157.5	0.1279E-06	75	0- 75	0.1424E-05	90-165	0.1391E-05
0-15.00	0.8578E-04	-7.5 TO 82.5	0.1188E-05	82.5-172.5	0.1186E-05	0	0- 90	0.7258E-05	90-180	0.7258E-05
15-30.00	0.2515E-03	-7.5 TO 82.5	0.1102E-05	82.5-172.5	0.1098E-05	15	0- 90	0.6999E-05	90-180	0.6981E-05
30-45.00	0.4000E-03	-7.5 TO 82.5	0.9370E-06	82.5-172.5	0.9303E-06	30	0- 90	0.6228E-05	90-180	0.6196E-05
45-60.00	0.5214E-03	-7.5 TO 82.5	0.7066E-06	82.5-172.5	0.6995E-06	45	0- 90	0.5014E-05	90-180	0.4974E-05
60-75.00	0.6071E-03	-7.5 TO 82.5	0.4305E-06	82.5-172.5	0.4237E-06	60	0- 90	0.3464E-05	90-180	0.3421E-05
75-90.00	0.6515E-03	-7.5 TO 82.5	0.1329E-06	82.5-172.5	0.1276E-06	75	0- 90	0.1705E-05	90-180	0.1667E-05
0-15.00	0.1001E-03	-7.5 TO 97.5	0.1188E-05	82.5-187.5	0.1186E-05	0	0-105	0.8468E-05	90-195	0.8468E-05
15-30.00	0.2934E-03	-7.5 TO 97.5	0.1102E-05	82.5-187.5	0.1098E-05	15	0-105	0.8164E-05	90-195	0.8144E-05
30-45.00	0.4667E-03	-7.5 TO 97.5	0.9365E-06	82.5-187.5	0.9305E-06	30	0-105	0.7263E-05	90-195	0.7227E-05
45-60.00	0.6082E-03	-7.5 TO 97.5	0.7059E-06	82.5-187.5	0.6991E-06	45	0-105	0.5846E-05	90-195	0.5801E-05
60-75.00	0.7083E-03	-7.5 TO 97.5	0.4299E-06	82.5-187.5	0.4234E-06	60	0-105	0.4037E-05	90-195	0.3989E-05
75-90.00	0.7601E-03	-7.5 TO 97.5	0.1324E-06	82.5-187.5	0.1273E-06	75	0-105	0.1986E-05	90-195	0.1943E-05

r_2/r_1 = 1.00 d/r_1 = 50.000 cosh μ_1 = 25.0000 cosh μ_2 = 25.0000 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 148.83

0-15.00	0.1430E-04	-7.5 TO 7.5	0.4424E-05	82.5- 97.5	0.4413E-05	0	0- 15	0.4496E-05	90-105	0.4496E-05
15-30.00	0.4191E-04	-7.5 TO 7.5	0.4113E-05	82.5- 97.5	0.4088E-05	15	0- 15	0.4347E-05	90-105	0.4327E-05
30-45.00	0.6667E-04	-7.5 TO 7.5	0.3505E-05	82.5- 97.5	0.3469E-05	30	0- 15	0.3878E-05	90-105	0.3864E-05
45-60.00	0.8689E-04	-7.5 TO 7.5	0.2651E-05	82.5- 97.5	0.2611E-05	45	0- 15	0.3132E-05	90-105	0.3088E-05
60-75.00	0.1012E-03	-7.5 TO 7.5	0.1625E-05	82.5- 97.5	0.1581E-05	60	0- 15	0.2173E-05	90-105	0.2127E-05
75-90.00	0.1086E-03	-7.5 TO 7.5	0.5132E-06	82.5- 97.5	0.4827E-06	75	0- 15	0.1081E-05	90-105	0.1040E-05
0-15.00	0.2859E-04	-7.5 TO 22.5	0.4424E-05	82.5-112.5	0.4411E-05	0	0- 30	0.8991E-05	90-120	0.8991E-05
15-30.00	0.8383E-04	-7.5 TO 22.5	0.4113E-05	82.5-112.5	0.4085E-05	15	0- 30	0.8692E-05	90-120	0.8551E-05
30-45.00	0.1333E-03	-7.5 TO 22.5	0.3504E-05	82.5-112.5	0.3465E-05	30	0- 30	0.7755E-05	90-120	0.7679E-05
45-60.00	0.1738E-03	-7.5 TO 22.5	0.2651E-05	82.5-112.5	0.2626E-05	45	0- 30	0.6262E-05	90-120	0.6166E-05
60-75.00	0.2024E-03	-7.5 TO 22.5	0.1624E-05	82.5-112.5	0.1581E-05	60	0- 30	0.4343E-05	90-120	0.4244E-05
75-90.00	0.2172E-03	-7.5 TO 22.5	0.5127E-06	82.5-112.5	0.4788E-06	75	0- 30	0.2159E-05	90-120	0.2070E-05
0-15.00	0.4289E-04	-7.5 TO 37.5	0.4423E-05	82.5-127.5	0.4410E-05	0	0- 45	0.1349E-04	90-135	0.1349E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.4112E-05	82.5-127.5	0.4082E-05	15	0- 45	0.1304E-04	90-135	0.1297E-04
30-45.00	0.2000E-03	-7.5 TO 37.5	0.3503E-05	82.5-127.5	0.3459E-05	30	0- 45	0.1163E-04	90-135	0.1151E-04
45-60.00	0.2607E-03	-7.5 TO 37.5	0.2649E-05	82.5-127.5	0.2601E-05	45	0- 45	0.9386E-05	90-135	0.9235E-05
60-75.00	0.3036E-03	-7.5 TO 37.5	0.1623E-05	82.5-127.5	0.1576E-05	60	0- 45	0.6508E-05	90-135	0.6352E-05
75-90.00	0.3258E-03	-7.5 TO 37.5	0.5115E-06	82.5-127.5	0.4751E-06	75	0- 45	0.3233E-05	90-135	0.3092E-05
0-15.00	0.5718E-04	-7.5 TO 52.5	0.4423E-05	82.5-142.5	0.4408E-05	0	0- 60	0.1798E-04	90-150	0.1798E-04
15-30.00	0.1677E-03	-7.5 TO 52.5	0.4110E-05	82.5-142.5	0.4079E-05	15	0- 60	0.1738E-04	90-150	0.1729E-04
30-45.00	0.2667E-03	-7.5 TO 52.5	0.3501E-05	82.5-142.5	0.3456E-05	30	0- 60	0.1549E-04	90-150	0.1533E-04
45-60.00	0.3476E-03	-7.5 TO 52.5	0.2647E-05	82.5-142.5	0.2596E-05	45	0- 60	0.1250E-04	90-150	0.1230E-04
60-75.00	0.4048E-03	-7.5 TO 52.5	0.1620E-05	82.5-142.5	0.1571E-05	60	0- 60	0.8666E-05	90-150	0.8452E-05
75-90.00	0.4344E-03	-7.5 TO 52.5	0.5097E-06	82.5-142.5	0.4716E-06	75	0- 60	0.4300E-05	90-150	0.4107E-05
0-15.00	0.7148E-04	-7.5 TO 67.5	0.4422E-05	82.5-157.5	0.4407E-05	0	0- 75	0.2248E-04	90-165	0.2248E-04
15-30.00	0.2096E-03	-7.5 TO 67.5	0.4108E-05	82.5-157.5	0.4076E-05	15	0- 75	0.2171E-04	90-165	0.2160E-04
30-45.00	0.3334E-03	-7.5 TO 67.5	0.3498E-05	82.5-157.5	0.3453E-05	30	0- 75	0.1935E-04	90-165	0.1915E-04
45-60.00	0.4345E-03	-7.5 TO 67.5	0.2644E-05	82.5-157.5	0.2592E-05	45	0- 75	0.1561E-04	90-165	0.1535E-04
60-75.00	0.5059E-03	-7.5 TO 67.5	0.1617E-05	82.5-157.5	0.1568E-05	60	0- 75	0.1081E-04	90-165	0.1055E-04
75-90.00	0.5429E-03	-7.5 TO 67.5	0.5073E-06	82.5-157.5	0.4686E-06	75	0- 75	0.5358E-05	90-165	0.5118E-05
0-15.00	0.8578E-04	-7.5 TO 82.5	0.4421E-05	82.5-172.5	0.4406E-05	0	0- 90	0.2697E-04	90-180	0.2697E-04
15-30.00	0.2515E-03	-7.5 TO 82.5	0.4106E-05	82.5-172.5	0.4074E-05	15	0- 90	0.2604E-04	90-180	0.2591E-04
30-45.00	0.4000E-03	-7.5 TO 82.5	0.3495E-05	82.5-172.5	0.3450E-05	30	0- 90	0.2320E-04	90-180	0.2297E-04
45-60.00	0.5214E-03	-7.5 TO 82.5	0.2640E-05	82.5-172.5	0.2589E-05	45	0- 90	0.1871E-04	90-180	0.1841E-04
60-75.00	0.6071E-03	-7.5 TO 82.5	0.1614E-05	82.5-172.5	0.1564E-05	60	0- 90	0.1295E-04	90-180	0.1264E-04
75-90.00	0.6515E-03	-7.5 TO 82.5	0.5045E-06	82.5-172.5	0.4851E-06	75	0- 90	0.6407E-05	90-180	0.6126E-05
0-15.00	0.1001E-03	-7.5 TO 97.5	0.4420E-05	82.5-187.5	0.4405E-05	0	0-105	0.3147E-04	90-195	0.3147E-04
15-30.00	0.2934E-03	-7.5 TO 97.5	0.4104E-05	82.5-187.5	0.4073E-05	15	0-105	0.3037E-04	90-195	0.3023E-04
30-45.00	0.4667E-03	-7.5 TO 97.5	0.3491E-05	82.5-187.5	0.3447E-05	30	0-105	0.2705E-04	90-195	0.2678E-04
45-60.00	0.6082E-03	-7.5 TO 97.5	0.2636E-05	82.5-187.5	0.2585E-05	45	0-105	0.2180E-04	90-195	0.2146E-04
60-75.00	0.7083E-03	-7.5 TO 97.5	0.1610E-05	82.5-187.5	0.1562E-05	60	0-105	0.1508E-04	90-195	0.1473E-04
75-90.00	0.7601E-03	-7.5 TO 97.5	0.5014E-06	82.5-187.5	0.4842E-06	75	0-105	0.7447E-05	90-195	0.7135E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0000 $\cosh \mu_2$ = 25.0000 $\alpha_{2,max}$ = 45.00 $\theta_{2,min}$ = 133.36

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1430E-04	-7.5 TO 7.5	0.8800E-05	82.5- 97.5	0.8766E-05	0	0- 15	0.8931E-05	90-105	0.8931E-05
15-30.00	0.4191E-04	-7.5 TO 7.5	0.8196E-05	82.5- 97.5	0.8122E-05	15	0- 15	0.8652E-05	90-105	0.8595E-05
30-45.00	0.6667E-04	-7.5 TO 7.5	0.6938E-05	82.5- 97.5	0.6892E-05	30	0- 15	0.7735E-05	90-105	0.7532E-05
45-60.00	0.8689E-04	-7.5 TO 7.5	0.5336E-05	82.5- 97.5	0.5187E-05	45	0- 15	0.6260E-05	90-105	0.6131E-05
60-75.00	0.1012E-03	-7.5 TO 7.5	0.3265E-05	82.5- 97.5	0.3151E-05	60	0- 15	0.4356E-05	90-105	0.4221E-05
75-90.00	0.1086E-03	-7.5 TO 7.5	0.1046E-05	82.5- 97.5	0.9593E-06	75	0- 15	0.2181E-05	90-105	0.2061E-05
0-15.00	0.2859E-04	-7.5 TO 22.5	0.8800E-05	82.5-112.5	0.8752E-05	0	0- 30	0.1786E-04	90-120	0.1786E-04
15-30.00	0.8383E-04	-7.5 TO 22.5	0.8195E-05	82.5-112.5	0.8112E-05	15	0- 30	0.1730E-04	90-120	0.1718E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.6996E-05	82.5-112.5	0.6879E-05	30	0- 30	0.1546E-04	90-120	0.1524E-04
45-60.00	0.1738E-03	-7.5 TO 22.5	0.5304E-05	82.5-112.5	0.5172E-05	45	0- 30	0.1251E-04	90-120	0.1223E-04
60-75.00	0.2024E-03	-7.5 TO 22.5	0.3263E-05	82.5-112.5	0.3136E-05	60	0- 30	0.8703E-05	90-120	0.8413E-05
75-90.00	0.2172E-03	-7.5 TO 22.5	0.1045E-05	82.5-112.5	0.9482E-06	75	0- 30	0.4354E-05	90-120	0.4097E-05
0-15.00	0.4289E-04	-7.5 TO 37.5	0.8798E-05	82.5-127.5	0.8758E-05	0	0- 45	0.2679E-04	90-135	0.2679E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.8192E-05	82.5-127.5	0.8133E-05	15	0- 45	0.2594E-04	90-135	0.2575E-04
30-45.00	0.2000E-03	-7.5 TO 37.5	0.6992E-05	82.5-127.5	0.6886E-05	30	0- 45	0.2318E-04	90-135	0.2283E-04
45-60.00	0.2607E-03	-7.5 TO 37.5	0.5300E-05	82.5-127.5	0.5157E-05	45	0- 45	0.1875E-04	90-135	0.1831E-04
60-75.00	0.3036E-03	-7.5 TO 37.5	0.3258E-05	82.5-127.5	0.3122E-05	60	0- 45	0.1304E-04	90-135	0.1258E-04
75-90.00	0.3258E-03	-7.5 TO 37.5	0.1041E-05	82.5-127.5	0.9376E-06	75	0- 45	0.6513E-05	90-135	0.6108E-05
0-15.00	0.5718E-04	-7.5 TO 52.5	0.8796E-05	82.5-142.5	0.8754E-05	0	0- 60	0.3572E-04	90-150	0.3572E-04
15-30.00	0.1677E-03	-7.5 TO 52.5	0.8188E-05	82.5-142.5	0.8135E-05	15	0- 60	0.3457E-04	90-150	0.3431E-04
30-45.00	0.2667E-03	-7.5 TO 52.5	0.6986E-05	82.5-142.5	0.6884E-05	30	0- 60	0.3088E-04	90-150	0.3040E-04
45-60.00	0.3476E-03	-7.5 TO 52.5	0.5292E-05	82.5-142.5	0.5144E-05	45	0- 60	0.2497E-04	90-150	0.2436E-04
60-75.00	0.4048E-03	-7.5 TO 52.5	0.3251E-05	82.5-142.5	0.3113E-05	60	0- 60	0.1734E-04	90-150	0.1572E-04
75-90.00	0.4344E-03	-7.5 TO 52.5	0.1036E-05	82.5-142.5	0.9283E-06	75	0- 60	0.8653E-05	90-150	0.8101E-05
0-15.00	0.7148E-04	-7.5 TO 67.5	0.8794E-05	82.5-157.5	0.8750E-05	0	0- 75	0.4465E-04	90-165	0.4465E-04
15-30.00	0.2096E-03	-7.5 TO 67.5	0.8182E-05	82.5-157.5	0.8037E-05	15	0- 75	0.4320E-04	90-165	0.4285E-04
30-45.00	0.3334E-03	-7.5 TO 67.5	0.6978E-05	82.5-157.5	0.6943E-05	30	0- 75	0.3856E-04	90-165	0.3796E-04
45-60.00	0.4345E-03	-7.5 TO 67.5	0.5283E-05	82.5-157.5	0.5132E-05	45	0- 75	0.3116E-04	90-165	0.3040E-04
60-75.00	0.5059E-03	-7.5 TO 67.5	0.3243E-05	82.5-157.5	0.3098E-05	60	0- 75	0.2163E-04	90-165	0.2085E-04
75-90.00	0.5429E-03	-7.5 TO 67.5	0.1029E-05	82.5-157.5	0.9195E-06	75	0- 75	0.1077E-04	90-165	0.1003E-04
0-15.00	0.8578E-04	-7.5 TO 82.5	0.8791E-05	82.5-172.5	0.8747E-05	0	0- 90	0.5359E-04	90-180	0.5359E-04
15-30.00	0.2515E-03	-7.5 TO 82.5	0.8175E-05	82.5-172.5	0.8081E-05	15	0- 90	0.5180E-04	90-180	0.5142E-04
30-45.00	0.4000E-03	-7.5 TO 82.5	0.6968E-05	82.5-172.5	0.6935E-05	30	0- 90	0.4622E-04	90-180	0.4552E-04
45-60.00	0.5214E-03	-7.5 TO 82.5	0.5272E-05	82.5-172.5	0.5122E-05	45	0- 90	0.3732E-04	90-180	0.3643E-04
60-75.00	0.6071E-03	-7.5 TO 82.5	0.3232E-05	82.5-172.5	0.3089E-05	60	0- 90	0.2588E-04	90-180	0.2497E-04
75-90.00	0.6515E-03	-7.5 TO 82.5	0.1021E-05	82.5-172.5	0.9125E-06	75	0- 90	0.1286E-04	90-180	0.1205E-04
0-15.00	0.1001E-03	-7.5 TO 97.5	0.8787E-05	82.5-187.5	0.8745E-05	0	0-105	0.6252E-04	90-195	0.6252E-04
15-30.00	0.2934E-03	-7.5 TO 97.5	0.8167E-05	82.5-187.5	0.8076E-05	15	0-105	0.6040E-04	90-195	0.5997E-04
30-45.00	0.4667E-03	-7.5 TO 97.5	0.6957E-05	82.5-187.5	0.6928E-05	30	0-105	0.5385E-04	90-195	0.5307E-04
45-60.00	0.6082E-03	-7.5 TO 97.5	0.5260E-05	82.5-187.5	0.5115E-05	45	0-105	0.4345E-04	90-195	0.4247E-04
60-75.00	0.7083E-03	-7.5 TO 97.5	0.3220E-05	82.5-187.5	0.3082E-05	60	0-105	0.3010E-04	90-195	0.2909E-04
75-90.00	0.7601E-03	-7.5 TO 97.5	0.1013E-05	82.5-187.5	0.9070E-06	75	0-105	0.1492E-04	90-195	0.1402E-04

r_2/r_1 = 1.00 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0000 $\cosh \mu_2$ = 25.0000 $\alpha_{2,max}$ = 60.00 $\theta_{2,min}$ = 117.99

0-15.00	0.1430E-04	-7.5 TO 7.5	0.1310E-04	82.5- 97.5	0.1304E-04	0	0- 15	0.1328E-04	90-105	0.1328E-04
15-30.00	0.4191E-04	-7.5 TO 7.5	0.1223E-04	82.5- 97.5	0.1208E-04	15	0- 15	0.1289E-04	90-105	0.1278E-04
30-45.00	0.6667E-04	-7.5 TO 7.5	0.1046E-04	82.5- 97.5	0.1025E-04	30	0- 15	0.1155E-04	90-105	0.1134E-04
45-60.00	0.8589E-04	-7.5 TO 7.5	0.7947E-05	82.5- 97.5	0.7714E-05	45	0- 15	0.9369E-05	90-105	0.9110E-05
60-75.00	0.1012E-03	-7.5 TO 7.5	0.4905E-05	82.5- 97.5	0.4758E-05	60	0- 15	0.6532E-05	90-105	0.6271E-05
75-90.00	0.1086E-03	-7.5 TO 7.5	0.1569E-05	82.5- 97.5	0.1427E-05	75	0- 15	0.3286E-05	90-105	0.3061E-05
0-15.00	0.2859E-04	-7.5 TO 22.5	0.1310E-04	82.5-112.5	0.1303E-04	0	0- 30	0.2656E-04	90-120	0.2656E-04
15-30.00	0.8383E-04	-7.5 TO 22.5	0.1222E-04	82.5-112.5	0.1206E-04	15	0- 30	0.2578E-04	90-120	0.2553E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.1045E-04	82.5-112.5	0.1022E-04	30	0- 30	0.2308E-04	90-120	0.2264E-04
45-60.00	0.1738E-03	-7.5 TO 22.5	0.7943E-05	82.5-112.5	0.7685E-05	45	0- 30	0.1871E-04	90-120	0.1816E-04
60-75.00	0.2024E-03	-7.5 TO 22.5	0.4901E-05	82.5-112.5	0.4698E-05	60	0- 30	0.1305E-04	90-120	0.1249E-04
75-90.00	0.2172E-03	-7.5 TO 22.5	0.1567E-05	82.5-112.5	0.1437E-05	75	0- 30	0.6559E-05	90-120	0.5872E-05
0-15.00	0.4289E-04	-7.5 TO 37.5	0.1310E-04	82.5-127.5	0.1302E-04	0	0- 45	0.3984E-04	90-135	0.3984E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.1222E-04	82.5-127.5	0.1204E-04	15	0- 45	0.3865E-04	90-135	0.3825E-04
30-45.00	0.2000E-03	-7.5 TO 37.5	0.1045E-04	82.5-127.5	0.1022E-04	30	0- 45	0.3459E-04	90-135	0.3392E-04
45-60.00	0.2607E-03	-7.5 TO 37.5	0.7934E-05	82.5-127.5	0.7666E-05	45	0- 45	0.2803E-04	90-135	0.2717E-04
60-75.00	0.3036E-03	-7.5 TO 37.5	0.4892E-05	82.5-127.5	0.4692E-05	60	0- 45	0.1953E-04	90-135	0.1865E-04
75-90.00	0.3258E-03	-7.5 TO 37.5	0.1580E-05	82.5-127.5	0.1387E-05	75	0- 45	0.9805E-05	90-135	0.9039E-05
0-15.00	0.5718E-04	-7.5 TO 52.5	0.1310E-04	82.5-142.5	0.1301E-04	0	0- 60	0.5312E-04	90-150	0.5312E-04
15-30.00	0.1677E-03	-7.5 TO 52.5	0.1221E-04	82.5-142.5	0.1202E-04	15	0- 60	0.5150E-04	90-150	0.5097E-04
30-45.00	0.2667E-03	-7.5 TO 52.5	0.1043E-04	82.5-142.5	0.1017E-04	30	0- 60	0.4617E-04	90-150	0.4513E-04
45-60.00	0.3476E-03	-7.5 TO 52.5	0.7920E-05	82.5-142.5	0.7650E-05	45	0- 60	0.3731E-04	90-150	0.3613E-04
60-75.00	0.4048E-03	-7.5 TO 52.5	0.4879E-05	82.5-142.5	0.4688E-05	60	0- 60	0.2597E-04	90-150	0.2477E-04
75-90.00	0.4344E-03	-7.5 TO 52.5	0.1570E-05	82.5-142.5	0.1359E-05	75	0- 60	0.1331E-04	90-150	0.1197E-04
0-15.00	0.7148E-04	-7.5 TO 67.5	0.1309E-04	82.5-157.5	0.1300E-04	0	0- 75	0.6640E-04	90-165	0.6640E-04
15-30.00	0.2096E-03	-7.5 TO 67.5	0.1220E-04	82.5-157.5	0.1201E-04	15	0- 75	0.6433E-04	90-165	0.6367E-04
30-45.00	0.3334E-03	-7.5 TO 67.5	0.1042E-04	82.5-157.5	0.1015E-04	30	0- 75	0.5751E-04	90-165	0.5633E-04
45-60.00	0.4345E-03	-7.5 TO 67.5	0.7902E-05	82.5-157.5	0.7639E-05	45	0- 75	0.4654E-04	90-165	0.4535E-04
60-75.00	0.5059E-03	-7.5 TO 67.5	0.4862E-05	82.5-157.5	0.4696E-05	60	0- 75	0.3236E-04	90-165	0.3086E-04
75-90.00	0.5429E-03	-7.5 TO 67.5	0.1568E-05	82.5-157.5	0.1354E-05	75	0- 75	0.1618E-04	90-165	0.1488E-04
0-15.00	0.8578E-04	-7.5 TO 82.5	0.1308E-04	82.5-172.5	0.1300E-04	0	0- 90	0.7969E-04	90-180	0.7959E-04
15-30.00	0.2515E-03	-7.5 TO 82.5	0.1218E-04	82.5-172.5	0.1200E-04	15	0- 90	0.7713E-04	90-180	0.7636E-04
30-45.00	0.4000E-03	-7.5 TO 82.5	0.1040E-04	82.5-172.5	0.1014E-04	30	0- 90	0.6890E-04	90-180	0.6752E-04
45-60.00	0.5214E-03	-7.5 TO 82.5	0.7881E-05	82.5-172.5	0.7639E-05	45	0- 90	0.5571E-04	90-180	0.5398E-04
60-75.00	0.6071E-03	-7.5 TO 82.5	0.4842E-05	82.5-172.5	0.4693E-05	60	0- 90	0.3870E-04	90-180	0.3594E-04
75-90.00	0.6515E-03	-7.5 TO 82.5	0.1543E-05	82.5-172.5	0.1341E-05	75	0- 90	0.1929E-04	90-180	0.1777E-04
0-15.00	0.1001E-03	-7.5 TO 97.5	0.1308E-04	82.5-187.5	0.1299E-04	0	0-105	0.9297E-04	90-195	0.9297E-04
15-30.00	0.2934E-03	-7.5 TO 97.5	0.1217E-04	82.5-187.5	0.1199E-04	15	0-105	0.8991E-04	90-195	0.8906E-04
30-45.00	0.4667E-03	-7.5 TO 97.5	0.1038E-04	82.5-187.5	0.1012E-04	30	0-105	0.8024E-04	90-195	0.7871E-04
45-60.00	0.6082E-03	-7.5 TO 97.5	0.7857E-05	82.5-187.5	0.7574E-05	45	0-105	0.6482E-04	90-195	0.6290E-04
60-75.00	0.7083E-03	-7.5 TO 97.5	0.4820E-05	82.5-187.5	0.4653E-05	60	0-105	0.4497E-04	90-195	0.4331E-04
75-90.00	0.7601E-03	-7.5 TO 97.5	0.1526E-05	82.5-187.5	0.1331E-05	75	0-105	0.2235E-04	90-195	0.2066E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0000 $\cosh \mu_2$ = 25.0000 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 102.77

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.1430E-04	-7.5 TO 7.5	0.1616E-04	82.5- 97.5	0.1609E-04	0	0- 15	0.1636E-04	90-105	0.1636E-04
15-30.00	0.4191E-04	-7.5 TO 7.5	0.1511E-04	82.5- 97.5	0.1488E-04	15	0- 15	0.1591E-04	90-105	0.1573E-04
30-45.00	0.6667E-04	-7.5 TO 7.5	0.1295E-04	82.5- 97.5	0.1253E-04	30	0- 15	0.1428E-04	90-105	0.1396E-04
45-60.00	0.8589E-04	-7.5 TO 7.5	0.9856E-05	82.5- 97.5	0.9503E-05	45	0- 15	0.1160E-04	90-105	0.1121E-04
60-75.00	0.1012E-03	-7.5 TO 7.5	0.6098E-05	82.5- 97.5	0.5773E-05	60	0- 15	0.8110E-05	90-105	0.7717E-05
75-90.00	0.1086E-03	-7.5 TO 7.5	0.1990E-05	82.5- 97.5	0.1758E-05	75	0- 15	0.4094E-05	90-105	0.3755E-05
0-15.00	0.2859E-04	-7.5 TO 22.5	0.1616E-04	82.5-112.5	0.1604E-04	0	0- 30	0.3271E-04	90-120	0.3271E-04
15-30.00	0.8383E-04	-7.5 TO 22.5	0.1510E-04	82.5-112.5	0.1485E-04	15	0- 30	0.3181E-04	90-120	0.3143E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.1294E-04	82.5-112.5	0.1253E-04	30	0- 30	0.2854E-04	90-120	0.2785E-04
45-60.00	0.1738E-03	-7.5 TO 22.5	0.9850E-05	82.5-112.5	0.9457E-05	45	0- 30	0.2318E-04	90-120	0.2234E-04
60-75.00	0.2024E-03	-7.5 TO 22.5	0.6092E-05	82.5-112.5	0.5732E-05	60	0- 30	0.1620E-04	90-120	0.1535E-04
75-90.00	0.2172E-03	-7.5 TO 22.5	0.1986E-05	82.5-112.5	0.1729E-05	75	0- 30	0.8168E-05	90-120	0.7459E-05
0-15.00	0.4289E-04	-7.5 TO 37.5	0.1616E-04	82.5-127.5	0.1603E-04	0	0- 45	0.4907E-04	90-135	0.4907E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.1509E-04	82.5-127.5	0.1482E-04	15	0- 45	0.4769E-04	90-135	0.4709E-04
30-45.00	0.2000E-03	-7.5 TO 37.5	0.1293E-04	82.5-127.5	0.1254E-04	30	0- 45	0.4277E-04	90-135	0.4169E-04
45-60.00	0.2607E-03	-7.5 TO 37.5	0.9836E-05	82.5-127.5	0.9414E-05	45	0- 45	0.3472E-04	90-135	0.3339E-04
60-75.00	0.3036E-03	-7.5 TO 37.5	0.6079E-05	82.5-127.5	0.5693E-05	60	0- 45	0.2423E-04	90-135	0.2290E-04
75-90.00	0.3258E-03	-7.5 TO 37.5	0.1977E-05	82.5-127.5	0.1702E-05	75	0- 45	0.1220E-04	90-135	0.1109E-04
0-15.00	0.5718E-04	-7.5 TO 52.5	0.1615E-04	82.5-142.5	0.1592E-04	0	0- 60	0.6543E-04	90-150	0.6543E-04
15-30.00	0.1677E-03	-7.5 TO 52.5	0.1508E-04	82.5-142.5	0.1479E-04	15	0- 60	0.6354E-04	90-150	0.6272E-04
30-45.00	0.2667E-03	-7.5 TO 52.5	0.1291E-04	82.5-142.5	0.1251E-04	30	0- 60	0.5694E-04	90-150	0.5567E-04
45-60.00	0.3476E-03	-7.5 TO 52.5	0.9815E-05	82.5-142.5	0.9375E-05	45	0- 60	0.4619E-04	90-150	0.4437E-04
60-75.00	0.4048E-03	-7.5 TO 52.5	0.6060E-05	82.5-142.5	0.5657E-05	60	0- 60	0.3221E-04	90-150	0.3039E-04
75-90.00	0.4344E-03	-7.5 TO 52.5	0.1963E-05	82.5-142.5	0.1677E-05	75	0- 60	0.1618E-04	90-150	0.1467E-04
0-15.00	0.7148E-04	-7.5 TO 67.5	0.1614E-04	82.5-157.5	0.1581E-04	0	0- 75	0.8179E-04	90-165	0.8179E-04
15-30.00	0.2096E-03	-7.5 TO 67.5	0.1506E-04	82.5-157.5	0.1477E-04	15	0- 75	0.7935E-04	90-165	0.7833E-04
30-45.00	0.3334E-03	-7.5 TO 67.5	0.1288E-04	82.5-157.5	0.1248E-04	30	0- 75	0.7105E-04	90-165	0.6922E-04
45-60.00	0.4345E-03	-7.5 TO 67.5	0.9788E-05	82.5-157.5	0.9341E-05	45	0- 75	0.5758E-04	90-165	0.5531E-04
60-75.00	0.5059E-03	-7.5 TO 67.5	0.6035E-05	82.5-157.5	0.5625E-05	60	0- 75	0.4010E-04	90-165	0.3784E-04
75-90.00	0.5429E-03	-7.5 TO 67.5	0.1945E-05	82.5-157.5	0.1655E-05	75	0- 75	0.2010E-04	90-165	0.1821E-04
0-15.00	0.8578E-04	-7.5 TO 82.5	0.1613E-04	82.5-172.5	0.1600E-04	0	0- 90	0.9814E-04	90-180	0.9814E-04
15-30.00	0.2515E-03	-7.5 TO 82.5	0.1504E-04	82.5-172.5	0.1475E-04	15	0- 90	0.9513E-04	90-180	0.9393E-04
30-45.00	0.4000E-03	-7.5 TO 82.5	0.1285E-04	82.5-172.5	0.1245E-04	30	0- 90	0.8508E-04	90-180	0.8294E-04
45-60.00	0.5214E-03	-7.5 TO 82.5	0.9755E-05	82.5-172.5	0.9312E-05	45	0- 90	0.6888E-04	90-180	0.6623E-04
60-75.00	0.6071E-03	-7.5 TO 82.5	0.6005E-05	82.5-172.5	0.5599E-05	60	0- 90	0.4791E-04	90-180	0.4525E-04
75-90.00	0.6515E-03	-7.5 TO 82.5	0.1924E-05	82.5-172.5	0.1636E-05	75	0- 90	0.2394E-04	90-180	0.2173E-04
0-15.00	0.1001E-03	-7.5 TO 97.5	0.1612E-04	82.5-187.5	0.1599E-04	0	0-105	0.1145E-03	90-195	0.1145E-03
15-30.00	0.2934E-03	-7.5 TO 97.5	0.1502E-04	82.5-187.5	0.1474E-04	15	0-105	0.1109E-03	90-195	0.1095E-03
30-45.00	0.4667E-03	-7.5 TO 97.5	0.1282E-04	82.5-187.5	0.1243E-04	30	0-105	0.9905E-04	90-195	0.9557E-04
45-60.00	0.6082E-03	-7.5 TO 97.5	0.9719E-05	82.5-187.5	0.9290E-05	45	0-105	0.8009E-04	90-195	0.7715E-04
60-75.00	0.7083E-03	-7.5 TO 97.5	0.5972E-05	82.5-187.5	0.5579E-05	60	0-105	0.5563E-04	90-195	0.5269E-04
75-90.00	0.7601E-03	-7.5 TO 97.5	0.1900E-05	82.5-187.5	0.1622E-05	75	0-105	0.2770E-04	90-195	0.2525E-04

r_2/r_1 = 1.00 d/r_1 = 50.000 $\cosh \mu_1$ = 25.0000 $\cosh \mu_2$ = 25.0000 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 87.71

0-15.00	0.1430E-04	-7.5 TO 7.5	0.1717E-04	82.5- 97.5	0.1703E-04	0	0- 15	0.1735E-04	90-105	0.1735E-04
15-30.00	0.4191E-04	-7.5 TO 7.5	0.1608E-04	82.5- 97.5	0.1578E-04	15	0- 15	0.1692E-04	90-105	0.1669E-04
30-45.00	0.6667E-04	-7.5 TO 7.5	0.1381E-04	82.5- 97.5	0.1339E-04	30	0- 15	0.1522E-04	90-105	0.1481E-04
45-60.00	0.8589E-04	-7.5 TO 7.5	0.1053E-04	82.5- 97.5	0.1008E-04	45	0- 15	0.1239E-04	90-105	0.1189E-04
60-75.00	0.1012E-03	-7.5 TO 7.5	0.6527E-05	82.5- 97.5	0.6125E-05	60	0- 15	0.8674E-05	90-105	0.8180E-05
75-90.00	0.1086E-03	-7.5 TO 7.5	0.2136E-05	82.5- 97.5	0.1866E-05	75	0- 15	0.4387E-05	90-105	0.3991E-05
0-15.00	0.2859E-04	-7.5 TO 22.5	0.1717E-04	82.5-112.5	0.1702E-04	0	0- 30	0.3471E-04	90-120	0.3471E-04
15-30.00	0.8383E-04	-7.5 TO 22.5	0.1608E-04	82.5-112.5	0.1574E-04	15	0- 30	0.3382E-04	90-120	0.3332E-04
30-45.00	0.1333E-03	-7.5 TO 22.5	0.1380E-04	82.5-112.5	0.1334E-04	30	0- 30	0.3041E-04	90-120	0.2952E-04
45-60.00	0.1738E-03	-7.5 TO 22.5	0.1053E-04	82.5-112.5	0.1003E-04	45	0- 30	0.2475E-04	90-120	0.2366E-04
60-75.00	0.2024E-03	-7.5 TO 22.5	0.6520E-05	82.5-112.5	0.6075E-05	60	0- 30	0.1732E-04	90-120	0.1625E-04
75-90.00	0.2172E-03	-7.5 TO 22.5	0.2131E-05	82.5-112.5	0.1833E-05	75	0- 30	0.8749E-05	90-120	0.7896E-05
0-15.00	0.4289E-04	-7.5 TO 37.5	0.1716E-04	82.5-127.5	0.1703E-04	0	0- 45	0.5206E-04	90-135	0.5206E-04
15-30.00	0.1257E-03	-7.5 TO 37.5	0.1606E-04	82.5-127.5	0.1571E-04	15	0- 45	0.5070E-04	90-135	0.4991E-04
30-45.00	0.2000E-03	-7.5 TO 37.5	0.1379E-04	82.5-127.5	0.1329E-04	30	0- 45	0.4555E-04	90-135	0.4416E-04
45-60.00	0.2607E-03	-7.5 TO 37.5	0.1051E-04	82.5-127.5	0.9971E-05	45	0- 45	0.3705E-04	90-135	0.3534E-04
60-75.00	0.3036E-03	-7.5 TO 37.5	0.6504E-05	82.5-127.5	0.6028E-05	60	0- 45	0.2590E-04	90-135	0.2423E-04
75-90.00	0.3258E-03	-7.5 TO 37.5	0.2120E-05	82.5-127.5	0.1801E-05	75	0- 45	0.1306E-04	90-135	0.1173E-04
0-15.00	0.5718E-04	-7.5 TO 52.5	0.1716E-04	82.5-142.5	0.1698E-04	0	0- 60	0.6942E-04	90-150	0.6942E-04
15-30.00	0.1677E-03	-7.5 TO 52.5	0.1605E-04	82.5-142.5	0.1567E-04	15	0- 60	0.6754E-04	90-150	0.6647E-04
30-45.00	0.2667E-03	-7.5 TO 52.5	0.1376E-04	82.5-142.5	0.1325E-04	30	0- 60	0.6063E-04	90-150	0.5873E-04
45-60.00	0.3476E-03	-7.5 TO 52.5	0.1048E-04	82.5-142.5	0.9922E-05	45	0- 60	0.4926E-04	90-150	0.4694E-04
60-75.00	0.4048E-03	-7.5 TO 52.5	0.6480E-05	82.5-142.5	0.5984E-05	60	0- 60	0.3440E-04	90-150	0.3213E-04
75-90.00	0.4344E-03	-7.5 TO 52.5	0.2104E-05	82.5-142.5	0.1772E-05	75	0- 60	0.1731E-04	90-150	0.1549E-04
0-15.00	0.7148E-04	-7.5 TO 67.5	0.1715E-04	82.5-157.5	0.1697E-04	0	0- 75	0.8677E-04	90-165	0.8677E-04
15-30.00	0.2096E-03	-7.5 TO 67.5	0.1602E-04	82.5-157.5	0.1555E-04	15	0- 75	0.8433E-04	90-165	0.8300E-04
30-45.00	0.3334E-03	-7.5 TO 67.5	0.1373E-04	82.5-157.5	0.1321E-04	30	0- 75	0.7563E-04	90-165	0.7325E-04
45-60.00	0.4345E-03	-7.5 TO 67.5	0.1045E-04	82.5-157.5	0.9879E-05	45	0- 75	0.6138E-04	90-165	0.5848E-04
60-75.00	0.5059E-03	-7.5 TO 67.5	0.6449E-05	82.5-157.5	0.5946E-05	60	0- 75	0.4281E-04	90-165	0.3998E-04
75-90.00	0.5429E-03	-7.5 TO 67.5	0.2083E-05	82.5-157.5	0.1747E-05	75	0- 75	0.2148E-04	90-165	0.1922E-04
0-15.00	0.8578E-04	-7.5 TO 82.5	0.1713E-04	82.5-172.5	0.1696E-04	0	0- 90	0.1041E-03	90-180	0.1041E-03
15-30.00	0.2515E-03	-7.5 TO 82.5	0.1600E-04	82.5-172.5	0.1562E-04	15	0- 90	0.1011E-03	90-180	0.9951E-04
30-45.00	0.4000E-03	-7.5 TO 82.5	0.1369E-04	82.5-172.5	0.1317E-04	30	0- 90	0.9053E-04	90-180	0.8775E-04
45-60.00	0.5214E-03	-7.5 TO 82.5	0.1043E-04	82.5-172.5	0.9843E-05	45	0- 90	0.7338E-04	90-180	0.7000E-04
60-75.00	0.6071E-03	-7.5 TO 82.5	0.6412E-05	82.5-172.5	0.5915E-05	60	0- 90	0.5110E-04	90-180	0.4779E-04
75-90.00	0.6515E-03	-7.5 TO 82.5	0.2056E-05	82.5-172.5	0.1725E-05	75	0- 90	0.2556E-04	90-180	0.2292E-04
0-15.00	0.1001E-03	-7.5 TO 97.5	0.1712E-04	82.5-187.5	0.1695E-04	0	0-105	0.1215E-03	90-195	0.1215E-03
15-30.00	0.2934E-03	-7.5 TO 97.5	0.1597E-04	82.5-187.5	0.1560E-04	15	0-105	0.1178E-03	90-195	0.1160E-03
30-45.00	0.4667E-03	-7.5 TO 97.5	0.1365E-04	82.5-187.5	0.1315E-04	30	0-105	0.1053E-03	90-195	0.1023E-03
45-60.00	0.6082E-03	-7.5 TO 97.5	0.1036E-04	82.5-187.5	0.9815E-05	45	0-105	0.8527E-04	90-195	0.8151E-04
60-75.00	0.7083E-03	-7.5 TO 97.5	0.6371E-05	82.5-187.5	0.5943E-05	60	0-105	0.5928E-04	90-195	0.5561E-04
75-90.00	0.7601E-03	-7.5 TO 97.5	0.2031E-05	82.5-187.5	0.1713E-05	75	0-105	0.2955E-04	90-195	0.2663E-04

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0000 $\cosh \mu_2$ = 50.0000 $\alpha_{2,max}$ = 15.00 $\theta_{2,min}$ = 164.70

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3570E-05	-7.5 TO 7.5	0.2855E-06	82.5- 97.5	0.2853E-06	0	0- 15	0.2904E-06	90-105	0.2904E-06
15-30.00	0.1047E-04	-7.5 TO 7.5	0.2655E-06	82.5- 97.5	0.2651E-06	15	0- 15	0.2804E-06	90-105	0.2801E-06
30-45.00	0.1665E-04	-7.5 TO 7.5	0.2269E-06	82.5- 97.5	0.2263E-06	30	0- 15	0.2506E-06	90-105	0.2500E-06
45-60.00	0.2170E-04	-7.5 TO 7.5	0.1727E-06	82.5- 97.5	0.1720E-06	45	0- 15	0.2033E-06	90-105	0.2026E-06
60-75.00	0.2527E-04	-7.5 TO 7.5	0.1070E-06	82.5- 97.5	0.1063E-06	60	0- 15	0.1422E-06	90-105	0.1414E-06
75-90.00	0.2711E-04	-7.5 TO 7.5	0.3488E-07	82.5- 97.5	0.3437E-07	75	0- 15	0.7193E-07	90-105	0.7125E-07
0-15.00	0.7139E-05	-7.5 TO 22.5	0.2854E-06	82.5-112.5	0.2852E-06	0	0- 30	0.5808E-06	90-120	0.5808E-06
15-30.00	0.2093E-04	-7.5 TO 22.5	0.2655E-06	82.5-112.5	0.2653E-06	15	0- 30	0.5638E-06	90-120	0.5601E-06
30-45.00	0.3330E-04	-7.5 TO 22.5	0.2269E-06	82.5-112.5	0.2262E-06	30	0- 30	0.5011E-06	90-120	0.4999E-06
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1727E-06	82.5-112.5	0.1719E-06	45	0- 30	0.4065E-06	90-120	0.4050E-06
60-75.00	0.5053E-04	-7.5 TO 22.5	0.1070E-06	82.5-112.5	0.1063E-06	60	0- 30	0.2843E-06	90-120	0.2827E-06
75-90.00	0.5423E-04	-7.5 TO 22.5	0.3487E-07	82.5-112.5	0.3431E-07	75	0- 30	0.1438E-06	90-120	0.1423E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.2854E-06	82.5-127.5	0.2852E-06	0	0- 45	0.8713E-06	90-135	0.8713E-06
15-30.00	0.3140E-04	-7.5 TO 37.5	0.2655E-06	82.5-127.5	0.2653E-06	15	0- 45	0.8411E-06	90-135	0.8401E-06
30-45.00	0.4995E-04	-7.5 TO 37.5	0.2269E-06	82.5-127.5	0.2262E-06	30	0- 45	0.7515E-06	90-135	0.7497E-06
45-60.00	0.6509E-04	-7.5 TO 37.5	0.1726E-06	82.5-127.5	0.1719E-06	45	0- 45	0.6096E-06	90-135	0.6072E-06
60-75.00	0.7580E-04	-7.5 TO 37.5	0.1069E-06	82.5-127.5	0.1062E-06	60	0- 45	0.4264E-06	90-135	0.4238E-06
75-90.00	0.8134E-04	-7.5 TO 37.5	0.3485E-07	82.5-127.5	0.3424E-07	75	0- 45	0.2156E-06	90-135	0.2133E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.2854E-06	82.5-142.5	0.2852E-06	0	0- 60	0.1162E-05	90-150	0.1162E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.2654E-06	82.5-142.5	0.2649E-06	15	0- 60	0.1121E-05	90-150	0.1120E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.2268E-06	82.5-142.5	0.2251E-06	30	0- 60	0.1002E-05	90-150	0.9994E-06
45-60.00	0.8679E-04	-7.5 TO 52.5	0.1726E-06	82.5-142.5	0.1718E-06	45	0- 60	0.8127E-06	90-150	0.8094E-06
60-75.00	0.1011E-03	-7.5 TO 52.5	0.1069E-06	82.5-142.5	0.1061E-06	60	0- 60	0.5683E-06	90-150	0.5648E-06
75-90.00	0.1085E-03	-7.5 TO 52.5	0.3482E-07	82.5-142.5	0.3419E-07	75	0- 60	0.2873E-06	90-150	0.2841E-06
0-15.00	0.1785E-04	-7.5 TO 67.5	0.2854E-06	82.5-157.5	0.2852E-06	0	0- 75	0.1452E-05	90-165	0.1452E-05
15-30.00	0.5233E-04	-7.5 TO 67.5	0.2654E-06	82.5-157.5	0.2649E-06	15	0- 75	0.1402E-05	90-165	0.1400E-05
30-45.00	0.8324E-04	-7.5 TO 67.5	0.2268E-06	82.5-157.5	0.2251E-06	30	0- 75	0.1252E-05	90-165	0.1249E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1725E-06	82.5-157.5	0.1717E-06	45	0- 75	0.1016E-05	90-165	0.1011E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1069E-06	82.5-157.5	0.1060E-06	60	0- 75	0.7101E-06	90-165	0.7058E-06
75-90.00	0.1356E-03	-7.5 TO 67.5	0.3478E-07	82.5-157.5	0.3413E-07	75	0- 75	0.3589E-06	90-165	0.3549E-06
0-15.00	0.2142E-04	-7.5 TO 82.5	0.2854E-06	82.5-172.5	0.2852E-06	0	0- 90	0.1743E-05	90-180	0.1743E-05
15-30.00	0.6279E-04	-7.5 TO 82.5	0.2654E-06	82.5-172.5	0.2649E-06	15	0- 90	0.1682E-05	90-180	0.1680E-05
30-45.00	0.9989E-04	-7.5 TO 82.5	0.2267E-06	82.5-172.5	0.2250E-06	30	0- 90	0.1502E-05	90-180	0.1499E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1725E-06	82.5-172.5	0.1717E-06	45	0- 90	0.1218E-05	90-180	0.1213E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1068E-06	82.5-172.5	0.1059E-06	60	0- 90	0.8517E-06	90-180	0.8455E-06
75-90.00	0.1627E-03	-7.5 TO 82.5	0.3474E-07	82.5-172.5	0.3409E-07	75	0- 90	0.4303E-06	90-180	0.4256E-06
0-15.00	0.2499E-04	-7.5 TO 97.5	0.2854E-06	82.5-187.5	0.2852E-06	0	0-105	0.2033E-05	90-195	0.2033E-05
15-30.00	0.7326E-04	-7.5 TO 97.5	0.2653E-06	82.5-187.5	0.2648E-06	15	0-105	0.1962E-05	90-195	0.1950E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.2267E-06	82.5-187.5	0.2250E-06	30	0-105	0.1752E-05	90-195	0.1748E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.1724E-06	82.5-187.5	0.1715E-06	45	0-105	0.1421E-05	90-195	0.1416E-05
60-75.00	0.1769E-03	-7.5 TO 97.5	0.1067E-06	82.5-187.5	0.1059E-06	60	0-105	0.9932E-06	90-195	0.9875E-06
75-90.00	0.1898E-03	-7.5 TO 97.5	0.3469E-07	82.5-187.5	0.3405E-07	75	0-105	0.5015E-06	90-195	0.4953E-06

r_2/r_1 = 1.00 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0000 $\cosh \mu_2$ = 50.0000 $\alpha_{2,max}$ = 30.00 $\theta_{2,min}$ = 149.42

0-15.00	0.3570E-05	-7.5 TO 7.5	0.1064E-05	82.5- 97.5	0.1062E-05	0	0- 15	0.1082E-05	90-105	0.1082E-05
15-30.00	0.1047E-04	-7.5 TO 7.5	0.9902E-06	82.5- 97.5	0.9873E-06	15	0- 15	0.1045E-05	90-105	0.1043E-05
30-45.00	0.1566E-04	-7.5 TO 7.5	0.8471E-06	82.5- 97.5	0.8429E-06	30	0- 15	0.9349E-06	90-105	0.9309E-06
45-60.00	0.2170E-04	-7.5 TO 7.5	0.6455E-06	82.5- 97.5	0.6407E-06	45	0- 15	0.7593E-06	90-105	0.7541E-06
60-75.00	0.2527E-04	-7.5 TO 7.5	0.4008E-06	82.5- 97.5	0.3961E-06	60	0- 15	0.5319E-06	90-105	0.5265E-06
75-90.00	0.2711E-04	-7.5 TO 7.5	0.1317E-06	82.5- 97.5	0.1280E-06	75	0- 15	0.2701E-06	90-105	0.2651E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.1064E-05	82.5-112.5	0.1062E-05	0	0- 30	0.2163E-05	90-120	0.2163E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.9901E-06	82.5-112.5	0.9859E-06	15	0- 30	0.2090E-05	90-120	0.2086E-05
30-45.00	0.3330E-04	-7.5 TO 22.5	0.8470E-06	82.5-112.5	0.8424E-06	30	0- 30	0.1870E-05	90-120	0.1851E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.6454E-06	82.5-112.5	0.6431E-06	45	0- 30	0.1518E-05	90-120	0.1507E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.4007E-06	82.5-112.5	0.3955E-06	60	0- 30	0.1064E-05	90-120	0.1052E-05
75-90.00	0.5423E-04	-7.5 TO 22.5	0.1317E-06	82.5-112.5	0.1275E-06	75	0- 30	0.5398E-06	90-120	0.5290E-06
0-15.00	0.1071E-04	-7.5 TO 37.5	0.1064E-05	82.5-127.5	0.1062E-05	0	0- 45	0.3245E-05	90-135	0.3245E-05
15-30.00	0.3140E-04	-7.5 TO 37.5	0.9900E-06	82.5-127.5	0.9855E-06	15	0- 45	0.3135E-05	90-135	0.3128E-05
30-45.00	0.4995E-04	-7.5 TO 37.5	0.8469E-06	82.5-127.5	0.8419E-06	30	0- 45	0.2804E-05	90-135	0.2790E-05
45-60.00	0.6509E-04	-7.5 TO 37.5	0.6452E-06	82.5-127.5	0.6395E-06	45	0- 45	0.2277E-05	90-135	0.2259E-05
60-75.00	0.7580E-04	-7.5 TO 37.5	0.4005E-06	82.5-127.5	0.3949E-06	60	0- 45	0.1595E-05	90-135	0.1576E-05
75-90.00	0.8134E-04	-7.5 TO 37.5	0.1315E-06	82.5-127.5	0.1271E-06	75	0- 45	0.8090E-06	90-135	0.7920E-06
0-15.00	0.1428E-04	-7.5 TO 52.5	0.1064E-05	82.5-142.5	0.1062E-05	0	0- 60	0.4327E-05	90-150	0.4327E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.9899E-06	82.5-142.5	0.9862E-06	15	0- 60	0.4180E-05	90-150	0.4169E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.8466E-06	82.5-142.5	0.8414E-06	30	0- 60	0.3737E-05	90-150	0.3719E-05
45-60.00	0.8679E-04	-7.5 TO 52.5	0.6449E-06	82.5-142.5	0.6389E-06	45	0- 60	0.3034E-05	90-150	0.3010E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.4002E-06	82.5-142.5	0.3944E-06	60	0- 60	0.2125E-05	90-150	0.2099E-05
75-90.00	0.1085E-03	-7.5 TO 52.5	0.1313E-06	82.5-142.5	0.1267E-06	75	0- 60	0.1077E-05	90-150	0.1054E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.1064E-05	82.5-157.5	0.1062E-05	0	0- 75	0.5438E-05	90-165	0.5408E-05
15-30.00	0.5233E-04	-7.5 TO 67.5	0.9896E-06	82.5-157.5	0.9859E-06	15	0- 75	0.5224E-05	90-165	0.5211E-05
30-45.00	0.8324E-04	-7.5 TO 67.5	0.8463E-06	82.5-157.5	0.8410E-06	30	0- 75	0.4670E-05	90-165	0.4647E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.6446E-06	82.5-157.5	0.6385E-06	45	0- 75	0.3791E-05	90-165	0.3761E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.3999E-06	82.5-157.5	0.3939E-06	60	0- 75	0.2654E-05	90-165	0.2622E-05
75-90.00	0.1356E-03	-7.5 TO 67.5	0.1310E-06	82.5-157.5	0.1253E-06	75	0- 75	0.1345E-05	90-165	0.1316E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.1063E-05	82.5-172.5	0.1062E-05	0	0- 90	0.6490E-05	90-180	0.6490E-05
15-30.00	0.6279E-04	-7.5 TO 82.5	0.9894E-06	82.5-172.5	0.9857E-06	15	0- 90	0.6267E-05	90-180	0.6252E-05
30-45.00	0.9989E-04	-7.5 TO 82.5	0.8459E-06	82.5-172.5	0.8435E-06	30	0- 90	0.5602E-05	90-180	0.5574E-05
45-60.00	0.1302E-03	-7.5 TO 82.5	0.6441E-06	82.5-172.5	0.6381E-06	45	0- 90	0.4546E-05	90-180	0.4511E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.3994E-06	82.5-172.5	0.3935E-06	60	0- 90	0.3181E-05	90-180	0.3144E-05
75-90.00	0.1627E-03	-7.5 TO 82.5	0.1307E-06	82.5-172.5	0.1250E-06	75	0- 90	0.1611E-05	90-180	0.1577E-05
0-15.00	0.2499E-04	-7.5 TO 97.5	0.1063E-05	82.5-187.5	0.1062E-05	0	0-105	0.7571E-05	90-195	0.7571E-05
15-30.00	0.7326E-04	-7.5 TO 97.5	0.9891E-06	82.5-187.5	0.9855E-06	15	0-105	0.7310E-05	90-195	0.7294E-05
30-45.00	0.1165E-03	-7.5 TO 97.5	0.8455E-06	82.5-187.5	0.8403E-06	30	0-105	0.6533E-05	90-195	0.6502E-05
45-60.00	0.1519E-03	-7.5 TO 97.5	0.6436E-06	82.5-187.5	0.6379E-06	45	0-105	0.5300E-05	90-195	0.5261E-05
60-75.00	0.1769E-03	-7.5 TO 97.5	0.3989E-06	82.5-187.5	0.3932E-06	60	0-105	0.3708E-05	90-195	0.3666E-05
75-90.00	0.1898E-03	-7.5 TO 97.5	0.1303E-06	82.5-187.5	0.1238E-06	75	0-105	0.1876E-05	90-195	0.1838E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(k) Continued. Radius ratio, r_2/r_1, 1.00

$r_2/r_1 = 1.00$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0000$ $\cosh \mu_2 = 50.0000$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 134.18$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3570E-05	-7.5 TO 7.5	0.2122E-05	82.5- 97.5	0.2118E-05	0	0- 15	0.2156E-05	90-105	0.2156E-05
15-30.00	0.1047E-04	-7.5 TO 7.5	0.1977E-05	82.5- 97.5	0.1968E-05	15	0- 15	0.2086E-05	90-105	0.2079E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.1693E-05	82.5- 97.5	0.1680E-05	30	0- 15	0.1867E-05	90-105	0.1855E-05
45-60.00	0.2170E-04	-7.5 TO 7.5	0.1291E-05	82.5- 97.5	0.1277E-05	45	0- 15	0.1518E-05	90-105	0.1503E-05
60-75.00	0.2527E-04	-7.5 TO 7.5	0.8032E-06	82.5- 97.5	0.7955E-06	60	0- 15	0.1065E-05	90-105	0.1049E-05
75-90.00	0.2711E-04	-7.5 TO 7.5	0.2658E-06	82.5- 97.5	0.2552E-06	75	0- 15	0.5423E-06	90-105	0.5279E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.2122E-05	82.5-112.5	0.2117E-05	0	0- 30	0.4312E-05	90-120	0.4312E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.1977E-05	82.5-112.5	0.1957E-05	15	0- 30	0.4171E-05	90-120	0.4157E-05
30-45.00	0.3330E-04	-7.5 TO 22.5	0.1693E-05	82.5-112.5	0.1679E-05	30	0- 30	0.3734E-05	90-120	0.3708E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1291E-05	82.5-112.5	0.1275E-05	45	0- 30	0.3035E-05	90-120	0.3002E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.8030E-06	82.5-112.5	0.7873E-06	60	0- 30	0.2129E-05	90-120	0.2094E-05
75-90.00	0.5423E-04	-7.5 TO 22.5	0.2657E-06	82.5-112.5	0.2539E-06	75	0- 30	0.1084E-05	90-120	0.1053E-05
0-15.00	0.1071E-04	-7.5 TO 37.5	0.2122E-05	82.5-127.5	0.2117E-05	0	0- 45	0.6469E-05	90-135	0.6469E-05
15-30.00	0.3140E-04	-7.5 TO 37.5	0.1976E-05	82.5-127.5	0.1955E-05	15	0- 45	0.6255E-05	90-135	0.6233E-05
30-45.00	0.4995E-04	-7.5 TO 37.5	0.1692E-05	82.5-127.5	0.1677E-05	30	0- 45	0.5599E-05	90-135	0.5558E-05
45-60.00	0.6509E-04	-7.5 TO 37.5	0.1291E-05	82.5-127.5	0.1274E-05	45	0- 45	0.4551E-05	90-135	0.4499E-05
60-75.00	0.7580E-04	-7.5 TO 37.5	0.8025E-06	82.5-127.5	0.7851E-06	60	0- 45	0.3191E-05	90-135	0.3137E-05
75-90.00	0.8134E-04	-7.5 TO 37.5	0.2652E-06	82.5-127.5	0.2525E-06	75	0- 45	0.1624E-05	90-135	0.1575E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.2122E-05	82.5-142.5	0.2117E-05	0	0- 60	0.8625E-05	90-150	0.8625E-05
15-30.00	0.4186E-04	-7.5 TO 52.5	0.1976E-05	82.5-142.5	0.1955E-05	15	0- 60	0.8339E-05	90-150	0.8303E-05
30-45.00	0.6659E-04	-7.5 TO 52.5	0.1691E-05	82.5-142.5	0.1676E-05	30	0- 60	0.7462E-05	90-150	0.7405E-05
45-60.00	0.8679E-04	-7.5 TO 52.5	0.1290E-05	82.5-142.5	0.1272E-05	45	0- 60	0.6064E-05	90-150	0.5992E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.8017E-06	82.5-142.5	0.7845E-06	60	0- 60	0.4251E-05	90-150	0.4176E-05
75-90.00	0.1085E-03	-7.5 TO 52.5	0.2646E-06	82.5-142.5	0.2514E-06	75	0- 60	0.2161E-05	90-150	0.2094E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.2121E-05	82.5-157.5	0.2116E-05	0	0- 75	0.1078E-04	90-165	0.1078E-04
15-30.00	0.5233E-04	-7.5 TO 67.5	0.1975E-05	82.5-157.5	0.1954E-05	15	0- 75	0.1042E-04	90-165	0.1038E-04
30-45.00	0.8324E-04	-7.5 TO 67.5	0.1690E-05	82.5-157.5	0.1675E-05	30	0- 75	0.9323E-05	90-165	0.9253E-05
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1289E-05	82.5-157.5	0.1271E-05	45	0- 75	0.7573E-05	90-165	0.7486E-05
60-75.00	0.1263E-03	-7.5 TO 67.5	0.8006E-06	82.5-157.5	0.7833E-06	60	0- 75	0.5307E-05	90-165	0.5214E-05
75-90.00	0.1356E-03	-7.5 TO 67.5	0.2638E-06	82.5-157.5	0.2503E-06	75	0- 75	0.2696E-05	90-165	0.2612E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.2121E-05	82.5-172.5	0.2115E-05	0	0- 90	0.1294E-04	90-180	0.1294E-04
15-30.00	0.6279E-04	-7.5 TO 82.5	0.1974E-05	82.5-172.5	0.1953E-05	15	0- 90	0.1250E-04	90-180	0.1246E-04
30-45.00	0.9989E-04	-7.5 TO 82.5	0.1689E-05	82.5-172.5	0.1674E-05	30	0- 90	0.1118E-04	90-180	0.1110E-04
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1287E-05	82.5-172.5	0.1273E-05	45	0- 90	0.9080E-05	90-180	0.8976E-05
60-75.00	0.1516E-03	-7.5 TO 82.5	0.7994E-06	82.5-172.5	0.7821E-06	60	0- 90	0.6360E-05	90-180	0.6251E-05
75-90.00	0.1627E-03	-7.5 TO 82.5	0.2628E-06	82.5-172.5	0.2495E-06	75	0- 90	0.3227E-05	90-180	0.3129E-05
0-15.00	0.2499E-04	-7.5 TO 97.5	0.2120E-05	82.5-187.5	0.2115E-05	0	0-105	0.1509E-04	90-195	0.1509E-04
15-30.00	0.7326E-04	-7.5 TO 97.5	0.1973E-05	82.5-187.5	0.1953E-05	15	0-105	0.1458E-04	90-195	0.1453E-04
30-45.00	0.1165E-03	-7.5 TO 97.5	0.1688E-05	82.5-187.5	0.1673E-05	30	0-105	0.1304E-04	90-195	0.1295E-04
45-60.00	0.1519E-03	-7.5 TO 97.5	0.1286E-05	82.5-187.5	0.1259E-05	45	0-105	0.1058E-04	90-195	0.1047E-04
60-75.00	0.1769E-03	-7.5 TO 97.5	0.7980E-06	82.5-187.5	0.7813E-06	60	0-105	0.7409E-05	90-195	0.7287E-05
75-90.00	0.1898E-03	-7.5 TO 97.5	0.2617E-06	82.5-187.5	0.2488E-06	75	0-105	0.3755E-05	90-195	0.3645E-05

$r_2/r_1 = 1.00$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0000$ $\cosh \mu_2 = 50.0000$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 119.00$

0-15.00	0.3570E-05	-7.5 TO 7.5	0.3172E-05	82.5- 97.5	0.3154E-05	0	0- 15	0.3221E-05	90-105	0.3221E-05
15-30.00	0.1047E-04	-7.5 TO 7.5	0.2957E-05	82.5- 97.5	0.2930E-05	15	0- 15	0.3118E-05	90-105	0.3105E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.2534E-05	82.5- 97.5	0.2510E-05	30	0- 15	0.2794E-05	90-105	0.2771E-05
45-60.00	0.2170E-04	-7.5 TO 7.5	0.1935E-05	82.5- 97.5	0.1908E-05	45	0- 15	0.2274E-05	90-105	0.2244E-05
60-75.00	0.2527E-04	-7.5 TO 7.5	0.1206E-05	82.5- 97.5	0.1179E-05	60	0- 15	0.1597E-05	90-105	0.1565E-05
75-90.00	0.2711E-04	-7.5 TO 7.5	0.4011E-06	82.5- 97.5	0.3813E-06	75	0- 15	0.8153E-06	90-105	0.7879E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.3171E-05	82.5-112.5	0.3163E-05	0	0- 30	0.6441E-05	90-120	0.6441E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.2957E-05	82.5-112.5	0.2938E-05	15	0- 30	0.6236E-05	90-120	0.6207E-05
30-45.00	0.3330E-04	-7.5 TO 22.5	0.2534E-05	82.5-112.5	0.2517E-05	30	0- 30	0.5587E-05	90-120	0.5535E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.1935E-05	82.5-112.5	0.1904E-05	45	0- 30	0.4546E-05	90-120	0.4481E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.1205E-05	82.5-112.5	0.1175E-05	60	0- 30	0.3193E-05	90-120	0.3125E-05
75-90.00	0.5423E-04	-7.5 TO 22.5	0.4008E-06	82.5-112.5	0.3797E-06	75	0- 30	0.1629E-05	90-120	0.1570E-05
0-15.00	0.1071E-04	-7.5 TO 37.5	0.3171E-05	82.5-127.5	0.3152E-05	0	0- 45	0.9662E-05	90-135	0.9662E-05
15-30.00	0.3140E-04	-7.5 TO 37.5	0.2956E-05	82.5-127.5	0.2935E-05	15	0- 45	0.9351E-05	90-135	0.9305E-05
30-45.00	0.4995E-04	-7.5 TO 37.5	0.2533E-05	82.5-127.5	0.2514E-05	30	0- 45	0.8378E-05	90-135	0.8295E-05
45-60.00	0.6509E-04	-7.5 TO 37.5	0.1934E-05	82.5-127.5	0.1911E-05	45	0- 45	0.6815E-05	90-135	0.6712E-05
60-75.00	0.7580E-04	-7.5 TO 37.5	0.1204E-05	82.5-127.5	0.1173E-05	60	0- 45	0.4784E-05	90-135	0.4678E-05
75-90.00	0.8134E-04	-7.5 TO 37.5	0.4000E-06	82.5-127.5	0.3793E-06	75	0- 45	0.2439E-05	90-135	0.2346E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.3171E-05	82.5-142.5	0.3151E-05	0	0- 60	0.1288E-04	90-150	0.1288E-04
15-30.00	0.4186E-04	-7.5 TO 52.5	0.2955E-05	82.5-142.5	0.2933E-05	15	0- 60	0.1247E-04	90-150	0.1240E-04
30-45.00	0.6659E-04	-7.5 TO 52.5	0.2532E-05	82.5-142.5	0.2511E-05	30	0- 60	0.1116E-04	90-150	0.1105E-04
45-60.00	0.8679E-04	-7.5 TO 52.5	0.1932E-05	82.5-142.5	0.1909E-05	45	0- 60	0.9079E-05	90-150	0.8938E-05
60-75.00	0.1011E-03	-7.5 TO 52.5	0.1203E-05	82.5-142.5	0.1173E-05	60	0- 60	0.6371E-05	90-150	0.6228E-05
75-90.00	0.1085E-03	-7.5 TO 52.5	0.3988E-06	82.5-142.5	0.3741E-06	75	0- 60	0.3245E-05	90-150	0.3118E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.3170E-05	82.5-157.5	0.3153E-05	0	0- 75	0.1610E-04	90-165	0.1610E-04
15-30.00	0.5233E-04	-7.5 TO 67.5	0.2954E-05	82.5-157.5	0.2932E-05	15	0- 75	0.1558E-04	90-165	0.1550E-04
30-45.00	0.8324E-04	-7.5 TO 67.5	0.2530E-05	82.5-157.5	0.2499E-05	30	0- 75	0.1395E-04	90-165	0.1381E-04
45-60.00	0.1085E-03	-7.5 TO 67.5	0.1930E-05	82.5-157.5	0.1899E-05	45	0- 75	0.1134E-04	90-165	0.1116E-04
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1201E-05	82.5-157.5	0.1157E-05	60	0- 75	0.7951E-05	90-165	0.7770E-05
75-90.00	0.1356E-03	-7.5 TO 67.5	0.3973E-06	82.5-157.5	0.3721E-06	75	0- 75	0.4046E-05	90-165	0.3887E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.3169E-05	82.5-172.5	0.3149E-05	0	0- 90	0.1932E-04	90-180	0.1932E-04
15-30.00	0.6279E-04	-7.5 TO 82.5	0.2952E-05	82.5-172.5	0.2933E-05	15	0- 90	0.1868E-04	90-180	0.1859E-04
30-45.00	0.9989E-04	-7.5 TO 82.5	0.2527E-05	82.5-172.5	0.2496E-05	30	0- 90	0.1672E-04	90-180	0.1656E-04
45-60.00	0.1302E-03	-7.5 TO 82.5	0.1928E-05	82.5-172.5	0.1893E-05	45	0- 90	0.1359E-04	90-180	0.1338E-04
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1198E-05	82.5-172.5	0.1155E-05	60	0- 90	0.9524E-05	90-180	0.9312E-05
75-90.00	0.1627E-03	-7.5 TO 82.5	0.3955E-06	82.5-172.5	0.3705E-06	75	0- 90	0.4840E-05	90-180	0.4654E-05
0-15.00	0.2499E-04	-7.5 TO 97.5	0.3168E-05	82.5-187.5	0.3159E-05	0	0-105	0.2254E-04	90-195	0.2254E-04
15-30.00	0.7326E-04	-7.5 TO 97.5	0.2950E-05	82.5-187.5	0.2929E-05	15	0-105	0.2179E-04	90-195	0.2169E-04
30-45.00	0.1165E-03	-7.5 TO 97.5	0.2525E-05	82.5-187.5	0.2495E-05	30	0-105	0.1949E-04	90-195	0.1931E-04
45-60.00	0.1519E-03	-7.5 TO 97.5	0.1925E-05	82.5-187.5	0.1891E-05	45	0-105	0.1583E-04	90-195	0.1560E-04
60-75.00	0.1769E-03	-7.5 TO 97.5	0.1196E-05	82.5-187.5	0.1153E-05	60	0-105	0.1109E-04	90-195	0.1085E-04
75-90.00	0.1898E-03	-7.5 TO 97.5	0.3934E-06	82.5-187.5	0.3692E-06	75	0-105	0.5628E-05	90-195	0.5421E-05

TABLE I. - Continued. *CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH*

(k) Concluded. Radius ratio, r_2/r_1, 1.00

r_2/r_1 = 1.00 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0000 $\cosh \mu_2$ = 50.0000 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 103.89

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.3570E-05	-7.5 TO 7.5	0.3929E-05	82.5- 97.5	0.3916E-05	0	0- 15	0.3987E-05	90-105	0.3987E-05
15-30.00	0.1047E-04	-7.5 TO 7.5	0.3666E-05	82.5- 97.5	0.3639E-05	15	0- 15	0.3864E-05	90-105	0.3843E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.3145E-05	82.5- 97.5	0.3137E-05	30	0- 15	0.3466E-05	90-105	0.3429E-05
45-60.00	0.2170E-04	-7.5 TO 7.5	0.2404E-05	82.5- 97.5	0.2352E-05	45	0- 15	0.2823E-05	90-105	0.2777E-05
60-75.00	0.2527E-04	-7.5 TO 7.5	0.1499E-05	82.5- 97.5	0.1465E-05	60	0- 15	0.1985E-05	90-105	0.1938E-05
75-90.00	0.2711E-04	-7.5 TO 7.5	0.5005E-06	82.5- 97.5	0.4720E-06	75	0- 15	0.1015E-05	90-105	0.9747E-06
0-15.00	0.7139E-05	-7.5 TO 22.5	0.3929E-05	82.5-112.5	0.3915E-05	0	0- 30	0.7974E-05	90-120	0.7974E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.3666E-05	82.5-112.5	0.3636E-05	15	0- 30	0.7727E-05	90-120	0.7682E-05
30-45.00	0.3330E-04	-7.5 TO 22.5	0.3145E-05	82.5-112.5	0.3102E-05	30	0- 30	0.6930E-05	90-120	0.6849E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.2403E-05	82.5-112.5	0.2355E-05	45	0- 30	0.5644E-05	90-120	0.5543E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.1499E-05	82.5-112.5	0.1455E-05	60	0- 30	0.3967E-05	90-120	0.3865E-05
75-90.00	0.5423E-04	-7.5 TO 22.5	0.5000E-06	82.5-112.5	0.4684E-06	75	0- 30	0.2028E-05	90-120	0.1941E-05
0-15.00	0.1071E-04	-7.5 TO 37.5	0.3928E-05	82.5-127.5	0.3913E-05	0	0- 45	0.1196E-04	90-135	0.1195E-04
15-30.00	0.3140E-04	-7.5 TO 37.5	0.3665E-05	82.5-127.5	0.3632E-05	15	0- 45	0.1159E-04	90-135	0.1152E-04
30-45.00	0.4995E-04	-7.5 TO 37.5	0.3143E-05	82.5-127.5	0.3098E-05	30	0- 45	0.1039E-04	90-135	0.1026E-04
45-60.00	0.6509E-04	-7.5 TO 37.5	0.2402E-05	82.5-127.5	0.2351E-05	45	0- 45	0.8459E-05	90-135	0.8300E-05
60-75.00	0.7580E-04	-7.5 TO 37.5	0.1497E-05	82.5-127.5	0.1453E-05	60	0- 45	0.5944E-05	90-135	0.5783E-05
75-90.00	0.8134E-04	-7.5 TO 37.5	0.4989E-06	82.5-127.5	0.4649E-06	75	0- 45	0.3035E-05	90-135	0.2898E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.3927E-05	82.5-142.5	0.3912E-05	0	0- 60	0.1595E-04	90-150	0.1595E-04
15-30.00	0.4186E-04	-7.5 TO 52.5	0.3663E-05	82.5-142.5	0.3629E-05	15	0- 60	0.1544E-04	90-150	0.1535E-04
30-45.00	0.6659E-04	-7.5 TO 52.5	0.3141E-05	82.5-142.5	0.3093E-05	30	0- 60	0.1384E-04	90-150	0.1367E-04
45-60.00	0.8679E-04	-7.5 TO 52.5	0.2399E-05	82.5-142.5	0.2345E-05	45	0- 60	0.1127E-04	90-150	0.1105E-04
60-75.00	0.1011E-03	-7.5 TO 52.5	0.1495E-05	82.5-142.5	0.1445E-05	60	0- 60	0.7913E-05	90-150	0.7693E-05
75-90.00	0.1085E-03	-7.5 TO 52.5	0.4972E-06	82.5-142.5	0.4618E-06	75	0- 60	0.4037E-05	90-150	0.3850E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.3926E-05	82.5-157.5	0.3910E-05	0	0- 75	0.1993E-04	90-165	0.1993E-04
15-30.00	0.5233E-04	-7.5 TO 67.5	0.3661E-05	82.5-157.5	0.3627E-05	15	0- 75	0.1930E-04	90-165	0.1918E-04
30-45.00	0.8324E-04	-7.5 TO 67.5	0.3138E-05	82.5-157.5	0.3089E-05	30	0- 75	0.1729E-04	90-165	0.1707E-04
45-60.00	0.1085E-03	-7.5 TO 67.5	0.2396E-05	82.5-157.5	0.2342E-05	45	0- 75	0.1406E-04	90-165	0.1379E-04
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1492E-05	82.5-157.5	0.1442E-05	60	0- 75	0.9872E-05	90-165	0.9597E-05
75-90.00	0.1356E-03	-7.5 TO 67.5	0.4950E-06	82.5-157.5	0.4590E-06	75	0- 75	0.5030E-05	90-165	0.4797E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.3925E-05	82.5-172.5	0.3909E-05	0	0- 90	0.2392E-04	90-180	0.2392E-04
15-30.00	0.6279E-04	-7.5 TO 82.5	0.3659E-05	82.5-172.5	0.3624E-05	15	0- 90	0.2314E-04	90-180	0.2300E-04
30-45.00	0.9989E-04	-7.5 TO 82.5	0.3134E-05	82.5-172.5	0.3086E-05	30	0- 90	0.2073E-04	90-180	0.2047E-04
45-60.00	0.1302E-03	-7.5 TO 82.5	0.2392E-05	82.5-172.5	0.2339E-05	45	0- 90	0.1685E-04	90-180	0.1653E-04
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1488E-05	82.5-172.5	0.1439E-05	60	0- 90	0.1182E-04	90-180	0.1150E-04
75-90.00	0.1627E-03	-7.5 TO 82.5	0.4924E-06	82.5-172.5	0.4557E-06	75	0- 90	0.6014E-05	90-180	0.5741E-05
0-15.00	0.2499E-04	-7.5 TO 97.5	0.3924E-05	82.5-187.5	0.3909E-05	0	0-105	0.2791E-04	90-195	0.2791E-04
15-30.00	0.7326E-04	-7.5 TO 97.5	0.3656E-05	82.5-187.5	0.3623E-05	15	0-105	0.2699E-04	90-195	0.2683E-04
30-45.00	0.1165E-03	-7.5 TO 97.5	0.3131E-05	82.5-187.5	0.3084E-05	30	0-105	0.2416E-04	90-195	0.2387E-04
45-60.00	0.1519E-03	-7.5 TO 97.5	0.2388E-05	82.5-187.5	0.2335E-05	45	0-105	0.1963E-04	90-195	0.1928E-04
60-75.00	0.1769E-03	-7.5 TO 97.5	0.1484E-05	82.5-187.5	0.1436E-05	60	0-105	0.1376E-04	90-195	0.1340E-04
75-90.00	0.1898E-03	-7.5 TO 97.5	0.4895E-06	82.5-187.5	0.4549E-06	75	0-105	0.6988E-05	90-195	0.6685E-05

r_2/r_1 = 1.00 d/r_1 = 100.000 $\cosh \mu_1$ = 50.0000 $\cosh \mu_2$ = 50.0000 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 88.85

0-15.00	0.3570E-05	-7.5 TO 7.5	0.4192E-05	82.5- 97.5	0.4175E-05	0	0- 15	0.4251E-05	90-105	0.4251E-05
15-30.00	0.1047E-04	-7.5 TO 7.5	0.3916E-05	82.5- 97.5	0.3881E-05	15	0- 15	0.4125E-05	90-105	0.4097E-05
30-45.00	0.1665E-04	-7.5 TO 7.5	0.3363E-05	82.5- 97.5	0.3313E-05	30	0- 15	0.3704E-05	90-105	0.3655E-05
45-60.00	0.2170E-04	-7.5 TO 7.5	0.2573E-05	82.5- 97.5	0.2518E-05	45	0- 15	0.3020E-05	90-105	0.2969E-05
60-75.00	0.2527E-04	-7.5 TO 7.5	0.1606E-05	82.5- 97.5	0.1557E-05	60	0- 15	0.2125E-05	90-105	0.2055E-05
75-90.00	0.2711E-04	-7.5 TO 7.5	0.5369E-06	82.5- 97.5	0.5034E-06	75	0- 15	0.1088E-05	90-105	0.1039E-05
0-15.00	0.7139E-05	-7.5 TO 22.5	0.4192E-05	82.5-112.5	0.4174E-05	0	0- 30	0.8503E-05	90-120	0.8503E-05
15-30.00	0.2093E-04	-7.5 TO 22.5	0.3916E-05	82.5-112.5	0.3875E-05	15	0- 30	0.8248E-05	90-120	0.8189E-05
30-45.00	0.3330E-04	-7.5 TO 22.5	0.3362E-05	82.5-112.5	0.3307E-05	30	0- 30	0.7406E-05	90-120	0.7299E-05
45-60.00	0.4339E-04	-7.5 TO 22.5	0.2572E-05	82.5-112.5	0.2511E-05	45	0- 30	0.6037E-05	90-120	0.5906E-05
60-75.00	0.5053E-04	-7.5 TO 22.5	0.1605E-05	82.5-112.5	0.1551E-05	60	0- 30	0.4247E-05	90-120	0.4117E-05
75-90.00	0.5423E-04	-7.5 TO 22.5	0.5363E-06	82.5-112.5	0.4991E-06	75	0- 30	0.2172E-05	90-120	0.2067E-05
0-15.00	0.1071E-04	-7.5 TO 37.5	0.4192E-05	82.5-127.5	0.4172E-05	0	0- 45	0.1275E-04	90-135	0.1275E-04
15-30.00	0.3140E-04	-7.5 TO 37.5	0.3914E-05	82.5-127.5	0.3872E-05	15	0- 45	0.1237E-04	90-135	0.1227E-04
30-45.00	0.4995E-04	-7.5 TO 37.5	0.3360E-05	82.5-127.5	0.3301E-05	30	0- 45	0.1110E-04	90-135	0.1093E-04
45-60.00	0.6509E-04	-7.5 TO 37.5	0.2570E-05	82.5-127.5	0.2505E-05	45	0- 45	0.9066E-05	90-135	0.8840E-05
60-75.00	0.7580E-04	-7.5 TO 37.5	0.1603E-05	82.5-127.5	0.1545E-05	60	0- 45	0.6361E-05	90-135	0.6157E-05
75-90.00	0.8134E-04	-7.5 TO 37.5	0.5349E-06	82.5-127.5	0.4951E-06	75	0- 45	0.3251E-05	90-135	0.3085E-05
0-15.00	0.1428E-04	-7.5 TO 52.5	0.4191E-05	82.5-142.5	0.4170E-05	0	0- 60	0.1701E-04	90-150	0.1701E-04
15-30.00	0.4186E-04	-7.5 TO 52.5	0.3912E-05	82.5-142.5	0.3867E-05	15	0- 60	0.1648E-04	90-150	0.1636E-04
30-45.00	0.6659E-04	-7.5 TO 52.5	0.3357E-05	82.5-142.5	0.3295E-05	30	0- 60	0.1479E-04	90-150	0.1456E-04
45-60.00	0.8679E-04	-7.5 TO 52.5	0.2567E-05	82.5-142.5	0.2499E-05	45	0- 60	0.1205E-04	90-150	0.1176E-04
60-75.00	0.1011E-03	-7.5 TO 52.5	0.1600E-05	82.5-142.5	0.1539E-05	60	0- 60	0.8466E-05	90-150	0.8187E-05
75-90.00	0.1085E-03	-7.5 TO 52.5	0.5329E-06	82.5-142.5	0.4914E-06	75	0- 60	0.4322E-05	90-150	0.4096E-05
0-15.00	0.1785E-04	-7.5 TO 67.5	0.4189E-05	82.5-157.5	0.4158E-05	0	0- 75	0.2126E-04	90-165	0.2126E-04
15-30.00	0.5233E-04	-7.5 TO 67.5	0.3909E-05	82.5-157.5	0.3854E-05	15	0- 75	0.2059E-04	90-165	0.2043E-04
30-45.00	0.8324E-04	-7.5 TO 67.5	0.3354E-05	82.5-157.5	0.3290E-05	30	0- 75	0.1847E-04	90-165	0.1818E-04
45-60.00	0.1085E-03	-7.5 TO 67.5	0.2562E-05	82.5-157.5	0.2493E-05	45	0- 75	0.1503E-04	90-165	0.1468E-04
60-75.00	0.1263E-03	-7.5 TO 67.5	0.1597E-05	82.5-157.5	0.1535E-05	60	0- 75	0.1056E-04	90-165	0.1021E-04
75-90.00	0.1356E-03	-7.5 TO 67.5	0.5303E-06	82.5-157.5	0.4882E-06	75	0- 75	0.5383E-05	90-165	0.5101E-05
0-15.00	0.2142E-04	-7.5 TO 82.5	0.4188E-05	82.5-172.5	0.4157E-05	0	0- 90	0.2551E-04	90-180	0.2551E-04
15-30.00	0.6279E-04	-7.5 TO 82.5	0.3906E-05	82.5-172.5	0.3861E-05	15	0- 90	0.2470E-04	90-180	0.2451E-04
30-45.00	0.9989E-04	-7.5 TO 82.5	0.3349E-05	82.5-172.5	0.3285E-05	30	0- 90	0.2213E-04	90-180	0.2180E-04
45-60.00	0.1302E-03	-7.5 TO 82.5	0.2557E-05	82.5-172.5	0.2499E-05	45	0- 90	0.1801E-04	90-180	0.1750E-04
60-75.00	0.1516E-03	-7.5 TO 82.5	0.1592E-05	82.5-172.5	0.1541E-05	60	0- 90	0.1264E-04	90-180	0.1223E-04
75-90.00	0.1627E-03	-7.5 TO 82.5	0.5273E-06	82.5-172.5	0.4855E-06	75	0- 90	0.6433E-05	90-180	0.6103E-05
0-15.00	0.2499E-04	-7.5 TO 97.5	0.4186E-05	82.5-187.5	0.4156E-05	0	0-105	0.2976E-04	90-195	0.2976E-04
15-30.00	0.7326E-04	-7.5 TO 97.5	0.3902E-05	82.5-187.5	0.3853E-05	15	0-105	0.2880E-04	90-195	0.2859E-04
30-45.00	0.1165E-03	-7.5 TO 97.5	0.3344E-05	82.5-187.5	0.3283E-05	30	0-105	0.2579E-04	90-195	0.2542E-04
45-60.00	0.1519E-03	-7.5 TO 97.5	0.2552E-05	82.5-187.5	0.2485E-05	45	0-105	0.2097E-04	90-195	0.2051E-04
60-75.00	0.1769E-03	-7.5 TO 97.5	0.1587E-05	82.5-187.5	0.1527E-05	60	0-105	0.1470E-04	90-195	0.1425E-04
75-90.00	0.1898E-03	-7.5 TO 97.5	0.5239E-06	82.5-187.5	0.4834E-06	75	0-105	0.7472E-05	90-195	0.7105E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(1) Earth-Moon situation; radius ratio, r_2/r_1, 0.2729

$r_2/r_1 = 0.2729$ $d/r_1 = 61.609$ $\cosh \mu_1 = 30.8118$ $\cosh \mu_2 = 112.8461$ $\alpha_{2,max} = 15.00$ $\theta_{2,min} = 164.87$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.9406E-05	-7.5 TO 7.5	0.5609E-07	82.5- 97.5	0.5605E-07	0	0- 15	0.5709E-07	90-105	0.5709E-07
15-30.00	0.2758E-04	-7.5 TO 7.5	0.5207E-07	82.5- 97.5	0.5199E-07	15	0- 15	0.5507E-07	90-105	0.5501E-07
30-45.00	0.4387E-04	-7.5 TO 7.5	0.4433E-07	82.5- 97.5	0.4423E-07	30	0- 15	0.4907E-07	90-105	0.4897E-07
45-60.00	0.5717E-04	-7.5 TO 7.5	0.3353E-07	82.5- 97.5	0.3342E-07	45	0- 15	0.3961E-07	90-105	0.3949E-07
60-75.00	0.6658E-04	-7.5 TO 7.5	0.2053E-07	82.5- 97.5	0.2044E-07	60	0- 15	0.2748E-07	90-105	0.2736E-07
75-89.32	0.6815E-04	-7.5 TO 7.5	0.6707E-08	82.5- 97.5	0.6649E-08	75	0- 15	0.1364E-07	90-105	0.1355E-07
0-15.00	0.1881E-04	-7.5 TO 22.5	0.5609E-07	82.5-112.5	0.5604E-07	0	0- 30	0.1142E-06	90-120	0.1142E-06
15-30.00	0.5516E-04	-7.5 TO 22.5	0.5207E-07	82.5-112.5	0.5198E-07	15	0- 30	0.1101E-06	90-120	0.1100E-06
30-45.00	0.8774E-04	-7.5 TO 22.5	0.4433E-07	82.5-112.5	0.4421E-07	30	0- 30	0.9814E-07	90-120	0.9791E-07
45-60.00	0.1143E-03	-7.5 TO 22.5	0.3353E-07	82.5-112.5	0.3340E-07	45	0- 30	0.7922E-07	90-120	0.7894E-07
60-75.00	0.1332E-03	-7.5 TO 22.5	0.2053E-07	82.5-112.5	0.2043E-07	60	0- 30	0.5495E-07	90-120	0.5469E-07
75-89.32	0.1364E-03	-7.5 TO 22.5	0.6706E-08	82.5-112.5	0.6642E-08	75	0- 30	0.2727E-07	90-120	0.2708E-07
0-15.00	0.2822E-04	-7.5 TO 37.5	0.5608E-07	82.5-127.5	0.5604E-07	0	0- 45	0.1713E-06	90-135	0.1713E-06
15-30.00	0.8273E-04	-7.5 TO 37.5	0.5206E-07	82.5-127.5	0.5197E-07	15	0- 45	0.1652E-06	90-135	0.1650E-06
30-45.00	0.1316E-03	-7.5 TO 37.5	0.4433E-07	82.5-127.5	0.4420E-07	30	0- 45	0.1472E-06	90-135	0.1468E-06
45-60.00	0.1715E-03	-7.5 TO 37.5	0.3352E-07	82.5-127.5	0.3339E-07	45	0- 45	0.1188E-06	90-135	0.1184E-06
60-75.00	0.1997E-03	-7.5 TO 37.5	0.2053E-07	82.5-127.5	0.2042E-07	60	0- 45	0.8241E-07	90-135	0.8200E-07
75-89.32	0.2046E-03	-7.5 TO 37.5	0.6704E-08	82.5-127.5	0.6635E-08	75	0- 45	0.4090E-07	90-135	0.4059E-07
0-15.00	0.3763E-04	-7.5 TO 52.5	0.5608E-07	82.5-142.5	0.5604E-07	0	0- 60	0.2283E-06	90-150	0.2283E-06
15-30.00	0.1103E-03	-7.5 TO 52.5	0.5206E-07	82.5-142.5	0.5196E-07	15	0- 60	0.2202E-06	90-150	0.2200E-06
30-45.00	0.1755E-03	-7.5 TO 52.5	0.4432E-07	82.5-142.5	0.4419E-07	30	0- 60	0.1962E-06	90-150	0.1957E-06
45-60.00	0.2287E-03	-7.5 TO 52.5	0.3351E-07	82.5-142.5	0.3337E-07	45	0- 60	0.1584E-06	90-150	0.1578E-06
60-75.00	0.2663E-03	-7.5 TO 52.5	0.2052E-07	82.5-142.5	0.2040E-07	60	0- 60	0.1098E-06	90-150	0.1093E-06
75-89.32	0.2728E-03	-7.5 TO 52.5	0.6700E-08	82.5-142.5	0.6628E-08	75	0- 60	0.5451E-07	90-150	0.5409E-07
0-15.00	0.4703E-04	-7.5 TO 67.5	0.5608E-07	82.5-157.5	0.5603E-07	0	0- 75	0.2854E-06	90-165	0.2854E-06
15-30.00	0.1379E-03	-7.5 TO 67.5	0.5205E-07	82.5-157.5	0.5196E-07	15	0- 75	0.2753E-06	90-165	0.2749E-06
30-45.00	0.2193E-03	-7.5 TO 67.5	0.4431E-07	82.5-157.5	0.4418E-07	30	0- 75	0.2452E-06	90-165	0.2446E-06
45-60.00	0.2859E-03	-7.5 TO 67.5	0.3351E-07	82.5-157.5	0.3336E-07	45	0- 75	0.1979E-06	90-165	0.1972E-06
60-75.00	0.3329E-03	-7.5 TO 67.5	0.2052E-07	82.5-157.5	0.2040E-07	60	0- 75	0.1373E-06	90-165	0.1366E-06
75-89.32	0.3409E-03	-7.5 TO 67.5	0.6696E-08	82.5-157.5	0.6623E-08	75	0- 75	0.6810E-07	90-165	0.6758E-07
0-15.00	0.5644E-04	-7.5 TO 82.5	0.5608E-07	82.5-172.5	0.5603E-07	0	0- 90	0.3425E-06	90-180	0.3425E-06
15-30.00	0.1655E-03	-7.5 TO 82.5	0.5205E-07	82.5-172.5	0.5195E-07	15	0- 90	0.3303E-06	90-180	0.3299E-06
30-45.00	0.2632E-03	-7.5 TO 82.5	0.4430E-07	82.5-172.5	0.4417E-07	30	0- 90	0.2942E-06	90-180	0.2935E-06
45-60.00	0.3430E-03	-7.5 TO 82.5	0.3350E-07	82.5-172.5	0.3335E-07	45	0- 90	0.2374E-06	90-180	0.2366E-06
60-75.00	0.3995E-03	-7.5 TO 82.5	0.2051E-07	82.5-172.5	0.2039E-07	60	0- 90	0.1646E-06	90-180	0.1638E-06
75-89.32	0.4091E-03	-7.5 TO 82.5	0.6691E-08	82.5-172.5	0.6618E-08	75	0- 90	0.8167E-07	90-180	0.8106E-07
0-15.00	0.6584E-04	-7.5 TO 97.5	0.5607E-07	82.5-187.5	0.5603E-07	0	0-105	0.3996E-06	90-195	0.3996E-06
15-30.00	0.1930E-03	-7.5 TO 97.5	0.5204E-07	82.5-187.5	0.5194E-07	15	0-105	0.3853E-06	90-195	0.3848E-06
30-45.00	0.3071E-03	-7.5 TO 97.5	0.4429E-07	82.5-187.5	0.4416E-07	30	0-105	0.3432E-06	90-195	0.3424E-06
45-60.00	0.4002E-03	-7.5 TO 97.5	0.3348E-07	82.5-187.5	0.3335E-07	45	0-105	0.2769E-06	90-195	0.2760E-06
60-75.00	0.4661E-03	-7.5 TO 97.5	0.2050E-07	82.5-187.5	0.2038E-07	60	0-105	0.1920E-06	90-195	0.1911E-06
75-89.32	0.4773E-03	-7.5 TO 97.5	0.6685E-08	82.5-187.5	0.6614E-08	75	0-105	0.9522E-07	90-195	0.9454E-07

$r_2/r_1 = 0.2729$ $d/r_1 = 61.609$ $\cosh \mu_1 = 30.8118$ $\cosh \mu_2 = 112.8461$ $\alpha_{2,max} = 30.00$ $\theta_{2,min} = 149.75$

0-15.00	0.9406E-05	-7.5 TO 7.5	0.2093E-06	82.5- 97.5	0.2090E-06	0	0- 15	0.2129E-06	90-105	0.2129E-06
15-30.00	0.2758E-04	-7.5 TO 7.5	0.1944E-06	82.5- 97.5	0.1939E-06	15	0- 15	0.2055E-06	90-105	0.2051E-06
30-45.00	0.4387E-04	-7.5 TO 7.5	0.1657E-06	82.5- 97.5	0.1649E-06	30	0- 15	0.1833E-06	90-105	0.1825E-06
45-60.00	0.5717E-04	-7.5 TO 7.5	0.1254E-06	82.5- 97.5	0.1246E-06	45	0- 15	0.1481E-06	90-105	0.1472E-06
60-75.00	0.6658E-04	-7.5 TO 7.5	0.7692E-07	82.5- 97.5	0.7621E-07	60	0- 15	0.1029E-06	90-105	0.1020E-06
75-89.32	0.6819E-04	-7.5 TO 7.5	0.2522E-07	82.5- 97.5	0.2479E-07	75	0- 15	0.5115E-07	90-105	0.5049E-07
0-15.00	0.1881E-04	-7.5 TO 22.5	0.2093E-06	82.5-112.5	0.2090E-06	0	0- 30	0.4257E-06	90-120	0.4257E-06
15-30.00	0.5516E-04	-7.5 TO 22.5	0.1944E-06	82.5-112.5	0.1938E-06	15	0- 30	0.4110E-06	90-120	0.4101E-06
30-45.00	0.8774E-04	-7.5 TO 22.5	0.1657E-06	82.5-112.5	0.1648E-06	30	0- 30	0.3666E-06	90-120	0.3649E-06
45-60.00	0.1143E-03	-7.5 TO 22.5	0.1254E-06	82.5-112.5	0.1245E-06	45	0- 30	0.2962E-06	90-120	0.2941E-06
60-75.00	0.1332E-03	-7.5 TO 22.5	0.7691E-07	82.5-112.5	0.7612E-07	60	0- 30	0.2057E-06	90-120	0.2037E-06
75-89.32	0.1364E-03	-7.5 TO 22.5	0.2521E-07	82.5-112.5	0.2474E-07	75	0- 30	0.1023E-06	90-120	0.1008E-06
0-15.00	0.2822E-04	-7.5 TO 37.5	0.2092E-06	82.5-127.5	0.2089E-06	0	0- 45	0.6386E-06	90-135	0.6386E-06
15-30.00	0.8273E-04	-7.5 TO 37.5	0.1944E-06	82.5-127.5	0.1937E-06	15	0- 45	0.6165E-06	90-135	0.6149E-06
30-45.00	0.1316E-03	-7.5 TO 37.5	0.1657E-06	82.5-127.5	0.1647E-06	30	0- 45	0.5498E-06	90-135	0.5471E-06
45-60.00	0.1715E-03	-7.5 TO 37.5	0.1254E-06	82.5-127.5	0.1244E-06	45	0- 45	0.4442E-06	90-135	0.4409E-06
60-75.00	0.1997E-03	-7.5 TO 37.5	0.7688E-07	82.5-127.5	0.7604E-07	60	0- 45	0.3084E-06	90-135	0.3053E-06
75-89.32	0.2046E-03	-7.5 TO 37.5	0.2519E-07	82.5-127.5	0.2469E-07	75	0- 45	0.1533E-06	90-135	0.1510E-06
0-15.00	0.3763E-04	-7.5 TO 52.5	0.2092E-06	82.5-142.5	0.2089E-06	0	0- 60	0.8514E-06	90-150	0.8514E-06
15-30.00	0.1103E-03	-7.5 TO 52.5	0.1944E-06	82.5-142.5	0.1936E-06	15	0- 60	0.8219E-06	90-150	0.8197E-06
30-45.00	0.1755E-03	-7.5 TO 52.5	0.1656E-06	82.5-142.5	0.1646E-06	30	0- 60	0.7329E-06	90-150	0.7291E-06
45-60.00	0.2287E-03	-7.5 TO 52.5	0.1253E-06	82.5-142.5	0.1243E-06	45	0- 60	0.5920E-06	90-150	0.5875E-06
60-75.00	0.2663E-03	-7.5 TO 52.5	0.7684E-07	82.5-142.5	0.7596E-07	60	0- 60	0.4109E-06	90-150	0.4067E-06
75-89.32	0.2728E-03	-7.5 TO 52.5	0.2517E-07	82.5-142.5	0.2464E-07	75	0- 60	0.2042E-06	90-150	0.2011E-06
0-15.00	0.4703E-04	-7.5 TO 67.5	0.2092E-06	82.5-157.5	0.2089E-06	0	0- 75	0.1064E-05	90-165	0.1064E-05
15-30.00	0.1379E-03	-7.5 TO 67.5	0.1943E-06	82.5-157.5	0.1936E-06	15	0- 75	0.1027E-05	90-165	0.1024E-05
30-45.00	0.2193E-03	-7.5 TO 67.5	0.1656E-06	82.5-157.5	0.1645E-06	30	0- 75	0.9158E-06	90-165	0.9141E-06
45-60.00	0.2859E-03	-7.5 TO 67.5	0.1253E-06	82.5-157.5	0.1242E-06	45	0- 75	0.7396E-06	90-165	0.7340E-06
60-75.00	0.3329E-03	-7.5 TO 67.5	0.7678E-07	82.5-157.5	0.7589E-07	60	0- 75	0.5133E-06	90-165	0.5081E-06
75-89.32	0.3409E-03	-7.5 TO 67.5	0.2514E-07	82.5-157.5	0.2460E-07	75	0- 75	0.2550E-06	90-165	0.2512E-06
0-15.00	0.5644E-04	-7.5 TO 82.5	0.2092E-06	82.5-172.5	0.2088E-06	0	0- 90	0.1277E-05	90-180	0.1277E-05
15-30.00	0.1655E-03	-7.5 TO 82.5	0.1943E-06	82.5-172.5	0.1935E-06	15	0- 90	0.1232E-05	90-180	0.1229E-05
30-45.00	0.2632E-03	-7.5 TO 82.5	0.1655E-06	82.5-172.5	0.1645E-06	30	0- 90	0.1098E-05	90-180	0.1093E-05
45-60.00	0.3430E-03	-7.5 TO 82.5	0.1252E-06	82.5-172.5	0.1241E-06	45	0- 90	0.8870E-06	90-180	0.8804E-06
60-75.00	0.3995E-03	-7.5 TO 82.5	0.7672E-07	82.5-172.5	0.7583E-07	60	0- 90	0.6155E-06	90-180	0.6093E-06
75-89.32	0.4091E-03	-7.5 TO 82.5	0.2510E-07	82.5-172.5	0.2456E-07	75	0- 90	0.3057E-06	90-180	0.3011E-06
0-15.00	0.6584E-04	-7.5 TO 97.5	0.2092E-06	82.5-187.5	0.2088E-06	0	0-105	0.1490E-05	90-195	0.1490E-05
15-30.00	0.1930E-03	-7.5 TO 97.5	0.1942E-06	82.5-187.5	0.1935E-06	15	0-105	0.1437E-05	90-195	0.1434E-05
30-45.00	0.3071E-03	-7.5 TO 97.5	0.1654E-06	82.5-187.5	0.1644E-06	30	0-105	0.1281E-05	90-195	0.1275E-05
45-60.00	0.4002E-03	-7.5 TO 97.5	0.1251E-06	82.5-187.5	0.1241E-06	45	0-105	0.1034E-05	90-195	0.1027E-05
60-75.00	0.4661E-03	-7.5 TO 97.5	0.7665E-07	82.5-187.5	0.7578E-07	60	0-105	0.7174E-06	90-195	0.7106E-06
75-89.32	0.4773E-03	-7.5 TO 97.5	0.2505E-07	82.5-187.5	0.2454E-07	75	0-105	0.3562E-06	90-195	0.3511E-06

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(1) Continued. Earth-Moon situation; radius ratio, r_2/r_1, 0.2729

$r_2/r_1 = 0.2729$ $d/r_1 = 61.609$ $\cosh \mu_1 = 30.8118$ $\cosh \mu_2 = 112.8461$ $\alpha_{2,max} = 45.00$ $\theta_{2,min} = 134.64$

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.9406E-05	-7.5 TO 7.5	0.4182E-06	82.5- 97.5	0.4174E-06	0	0- 15	0.4251E-06	90-105	0.4251E-06
15-30.00	0.2758E-04	-7.5 TO 7.5	0.3890E-06	82.5- 97.5	0.3872E-06	15	0- 15	0.4109E-06	90-105	0.4095E-06
30-45.00	0.4287E-04	-7.5 TO 7.5	0.3318E-06	82.5- 97.5	0.3293E-06	30	0- 15	0.3669E-06	90-105	0.3644E-06
45-60.00	0.5717E-04	-7.5 TO 7.5	0.2514E-06	82.5- 97.5	0.2488E-06	45	0- 15	0.2967E-06	90-105	0.2938E-06
60-75.00	0.6658E-04	-7.5 TO 7.5	0.1543E-06	82.5- 97.5	0.1522E-06	60	0- 15	0.2063E-06	90-105	0.2035E-06
75-89.32	0.6819E-04	-7.5 TO 7.5	0.5077E-07	82.5- 97.5	0.4952E-07	75	0- 15	0.1027E-06	90-105	0.1008E-06
0-15.00	0.1881E-04	-7.5 TO 22.5	0.4182E-06	82.5-112.5	0.4173E-06	0	0- 30	0.8502E-06	90-120	0.8502E-06
15-30.00	0.5516E-04	-7.5 TO 22.5	0.3889E-06	82.5-112.5	0.3869E-06	15	0- 30	0.8217E-06	90-120	0.8187E-06
30-45.00	0.8574E-04	-7.5 TO 22.5	0.3318E-06	82.5-112.5	0.3290E-06	30	0- 30	0.7336E-06	90-120	0.7283E-06
45-60.00	0.1143E-03	-7.5 TO 22.5	0.2514E-06	82.5-112.5	0.2485E-06	45	0- 30	0.5933E-06	90-120	0.5870E-06
60-75.00	0.1332E-03	-7.5 TO 22.5	0.1543E-06	82.5-112.5	0.1519E-06	60	0- 30	0.4124E-06	90-120	0.4064E-06
75-89.32	0.1364E-03	-7.5 TO 22.5	0.5074E-07	82.5-112.5	0.4936E-07	75	0- 30	0.2054E-06	90-120	0.2011E-06
0-15.00	0.2822E-04	-7.5 TO 37.5	0.4182E-06	82.5-127.5	0.4172E-06	0	0- 45	0.1275E-05	90-135	0.1275E-05
15-30.00	0.8273E-04	-7.5 TO 37.5	0.3889E-06	82.5-127.5	0.3867E-06	15	0- 45	0.1232E-05	90-135	0.1228E-05
30-45.00	0.1316E-03	-7.5 TO 37.5	0.3317E-06	82.5-127.5	0.3287E-06	30	0- 45	0.1100E-05	90-135	0.1092E-05
45-60.00	0.1715E-03	-7.5 TO 37.5	0.2513E-06	82.5-127.5	0.2482E-06	45	0- 45	0.8895E-06	90-135	0.8795E-06
60-75.00	0.1997E-03	-7.5 TO 37.5	0.1542E-06	82.5-127.5	0.1517E-06	60	0- 45	0.6181E-06	90-135	0.6088E-06
75-89.32	0.2046E-03	-7.5 TO 37.5	0.5070E-07	82.5-127.5	0.4921E-07	75	0- 45	0.3078E-06	90-135	0.3010E-06
0-15.00	0.3763E-04	-7.5 TO 52.5	0.4181E-06	82.5-142.5	0.4171E-06	0	0- 60	0.1700E-05	90-150	0.1700E-05
15-30.00	0.1103E-03	-7.5 TO 52.5	0.3888E-06	82.5-142.5	0.3865E-06	15	0- 60	0.1643E-05	90-150	0.1636E-05
30-45.00	0.1755E-03	-7.5 TO 52.5	0.3315E-06	82.5-142.5	0.3284E-06	30	0- 60	0.1466E-05	90-150	0.1455E-05
45-60.00	0.2287E-03	-7.5 TO 52.5	0.2511E-06	82.5-142.5	0.2479E-06	45	0- 60	0.1185E-05	90-150	0.1172E-05
60-75.00	0.2663E-03	-7.5 TO 52.5	0.1541E-06	82.5-142.5	0.1514E-06	60	0- 60	0.8235E-06	90-150	0.8107E-06
75-89.32	0.2728E-03	-7.5 TO 52.5	0.5062E-07	82.5-142.5	0.4907E-07	75	0- 60	0.4098E-06	90-150	0.4006E-06
0-15.00	0.4703E-04	-7.5 TO 67.5	0.4181E-06	82.5-157.5	0.4170E-06	0	0- 75	0.2126E-05	90-165	0.2126E-05
15-30.00	0.1379E-03	-7.5 TO 67.5	0.3886E-06	82.5-157.5	0.3863E-06	15	0- 75	0.2053E-05	90-165	0.2045E-05
30-45.00	0.2193E-03	-7.5 TO 67.5	0.3313E-06	82.5-157.5	0.3282E-06	30	0- 75	0.1832E-05	90-165	0.1817E-05
45-60.00	0.2859E-03	-7.5 TO 67.5	0.2509E-06	82.5-157.5	0.2476E-06	45	0- 75	0.1480E-05	90-165	0.1463E-05
60-75.00	0.3329E-03	-7.5 TO 67.5	0.1539E-06	82.5-157.5	0.1512E-06	60	0- 75	0.1028E-05	90-165	0.1012E-05
75-89.32	0.3409E-03	-7.5 TO 67.5	0.5053E-07	82.5-157.5	0.4895E-07	75	0- 75	0.5115E-06	90-165	0.5000E-06
0-15.00	0.5644E-04	-7.5 TO 82.5	0.4180E-06	82.5-172.5	0.4169E-06	0	0- 90	0.2551E-05	90-180	0.2551E-05
15-30.00	0.1655E-03	-7.5 TO 82.5	0.3885E-06	82.5-172.5	0.3862E-06	15	0- 90	0.2463E-05	90-180	0.2453E-05
30-45.00	0.2632E-03	-7.5 TO 82.5	0.3311E-06	82.5-172.5	0.3280E-06	30	0- 90	0.2197E-05	90-180	0.2180E-05
45-60.00	0.3430E-03	-7.5 TO 82.5	0.2507E-06	82.5-172.5	0.2474E-06	45	0- 90	0.1775E-05	90-180	0.1755E-05
60-75.00	0.3995E-03	-7.5 TO 82.5	0.1537E-06	82.5-172.5	0.1510E-06	60	0- 90	0.1232E-05	90-180	0.1214E-05
75-89.32	0.4091E-03	-7.5 TO 82.5	0.5041E-07	82.5-172.5	0.4884E-07	75	0- 90	0.6127E-06	90-180	0.5992E-06
0-15.00	0.6584E-04	-7.5 TO 97.5	0.4179E-06	82.5-187.5	0.4169E-06	0	0-105	0.2976E-05	90-195	0.2976E-05
15-30.00	0.1930E-03	-7.5 TO 97.5	0.3883E-06	82.5-187.5	0.3861E-06	15	0-105	0.2872E-05	90-195	0.2862E-05
30-45.00	0.3071E-03	-7.5 TO 97.5	0.3309E-06	82.5-187.5	0.3278E-06	30	0-105	0.2561E-05	90-195	0.2543E-05
45-60.00	0.4002E-03	-7.5 TO 97.5	0.2504E-06	82.5-187.5	0.2473E-06	45	0-105	0.2069E-05	90-195	0.2046E-05
60-75.00	0.4661E-03	-7.5 TO 97.5	0.1535E-06	82.5-187.5	0.1509E-06	60	0-105	0.1436E-05	90-195	0.1415E-05
75-89.32	0.4773E-03	-7.5 TO 97.5	0.5028E-07	82.5-187.5	0.4876E-07	75	0-105	0.7135E-06	90-195	0.6985E-06

$r_2/r_1 = 0.2729$ $d/r_1 = 61.609$ $\cosh \mu_1 = 30.8118$ $\cosh \mu_2 = 112.8461$ $\alpha_{2,max} = 60.00$ $\theta_{2,min} = 119.56$

0-15.00	0.9406E-05	-7.5 TO 7.5	0.6267E-06	82.5- 97.5	0.6249E-06	0	0- 15	0.6365E-06	90-105	0.6365E-06
15-30.00	0.2758E-04	-7.5 TO 7.5	0.5834E-06	82.5- 97.5	0.5797E-06	15	0- 15	0.6159E-06	90-105	0.6130E-06
30-45.00	0.4287E-04	-7.5 TO 7.5	0.4982E-06	82.5- 97.5	0.4931E-06	30	0- 15	0.5506E-06	90-105	0.5455E-06
45-60.00	0.5717E-04	-7.5 TO 7.5	0.3779E-06	82.5- 97.5	0.3726E-06	45	0- 15	0.4458E-06	90-105	0.4397E-06
60-75.00	0.6658E-04	-7.5 TO 7.5	0.2322E-06	82.5- 97.5	0.2279E-06	60	0- 15	0.3102E-06	90-105	0.3045E-06
75-89.32	0.6819E-04	-7.5 TO 7.5	0.7658E-07	82.5- 97.5	0.7415E-07	75	0- 15	0.1547E-06	90-105	0.1507E-06
0-15.00	0.1881E-04	-7.5 TO 22.5	0.6266E-06	82.5-112.5	0.6247E-06	0	0- 30	0.1273E-05	90-120	0.1273E-05
15-30.00	0.5516E-04	-7.5 TO 22.5	0.5833E-06	82.5-112.5	0.5792E-06	15	0- 30	0.1232E-05	90-120	0.1225E-05
30-45.00	0.8574E-04	-7.5 TO 22.5	0.4981E-06	82.5-112.5	0.4924E-06	30	0- 30	0.1101E-05	90-120	0.1090E-05
45-60.00	0.1143E-03	-7.5 TO 22.5	0.3778E-06	82.5-112.5	0.3719E-06	45	0- 30	0.8912E-06	90-120	0.8780E-06
60-75.00	0.1332E-03	-7.5 TO 22.5	0.2321E-06	82.5-112.5	0.2273E-06	60	0- 30	0.6200E-06	90-120	0.6078E-06
75-89.32	0.1364E-03	-7.5 TO 22.5	0.7654E-07	82.5-112.5	0.7384E-07	75	0- 30	0.3092E-06	90-120	0.3006E-06
0-15.00	0.2822E-04	-7.5 TO 37.5	0.6266E-06	82.5-127.5	0.6245E-06	0	0- 45	0.1909E-05	90-135	0.1909E-05
15-30.00	0.8273E-04	-7.5 TO 37.5	0.5832E-06	82.5-127.5	0.5787E-06	15	0- 45	0.1847E-05	90-135	0.1837E-05
30-45.00	0.1316E-03	-7.5 TO 37.5	0.4979E-06	82.5-127.5	0.4918E-06	30	0- 45	0.1651E-05	90-135	0.1633E-05
45-60.00	0.1715E-03	-7.5 TO 37.5	0.3776E-06	82.5-127.5	0.3712E-06	45	0- 45	0.1336E-05	90-135	0.1315E-05
60-75.00	0.1997E-03	-7.5 TO 37.5	0.2320E-06	82.5-127.5	0.2268E-06	60	0- 45	0.9292E-06	90-135	0.9100E-06
75-89.32	0.2046E-03	-7.5 TO 37.5	0.7644E-07	82.5-127.5	0.7354E-07	75	0- 45	0.4632E-06	90-135	0.4497E-06
0-15.00	0.3763E-04	-7.5 TO 52.5	0.6265E-06	82.5-142.5	0.6243E-06	0	0- 60	0.2546E-05	90-150	0.2546E-05
15-30.00	0.1103E-03	-7.5 TO 52.5	0.5830E-06	82.5-142.5	0.5783E-06	15	0- 60	0.2462E-05	90-150	0.2448E-05
30-45.00	0.1755E-03	-7.5 TO 52.5	0.4976E-06	82.5-142.5	0.4912E-06	30	0- 60	0.2199E-05	90-150	0.2176E-05
45-60.00	0.2287E-03	-7.5 TO 52.5	0.3773E-06	82.5-142.5	0.3706E-06	45	0- 60	0.1780E-05	90-150	0.1751E-05
60-75.00	0.2663E-03	-7.5 TO 52.5	0.2317E-06	82.5-142.5	0.2263E-06	60	0- 60	0.1237E-05	90-150	0.1211E-05
75-89.32	0.2728E-03	-7.5 TO 52.5	0.7630E-07	82.5-142.5	0.7327E-07	75	0- 60	0.6166E-06	90-150	0.5981E-06
0-15.00	0.4703E-04	-7.5 TO 67.5	0.6263E-06	82.5-157.5	0.6241E-06	0	0- 75	0.3182E-05	90-165	0.3182E-05
15-30.00	0.1379E-03	-7.5 TO 67.5	0.5827E-06	82.5-157.5	0.5779E-06	15	0- 75	0.3076E-05	90-165	0.3059E-05
30-45.00	0.2193E-03	-7.5 TO 67.5	0.4972E-06	82.5-157.5	0.4907E-06	30	0- 75	0.2747E-05	90-165	0.2717E-05
45-60.00	0.2859E-03	-7.5 TO 67.5	0.3768E-06	82.5-157.5	0.3701E-06	45	0- 75	0.2222E-05	90-165	0.2187E-05
60-75.00	0.3329E-03	-7.5 TO 67.5	0.2314E-06	82.5-157.5	0.2259E-06	60	0- 75	0.1545E-05	90-165	0.1512E-05
75-89.32	0.3409E-03	-7.5 TO 67.5	0.7611E-07	82.5-157.5	0.7303E-07	75	0- 75	0.7691E-06	90-165	0.7461E-06
0-15.00	0.5644E-04	-7.5 TO 82.5	0.6262E-06	82.5-172.5	0.6239E-06	0	0- 90	0.3819E-05	90-180	0.3819E-05
15-30.00	0.1655E-03	-7.5 TO 82.5	0.5823E-06	82.5-172.5	0.5776E-06	15	0- 90	0.3690E-05	90-180	0.3670E-05
30-45.00	0.2632E-03	-7.5 TO 82.5	0.4967E-06	82.5-172.5	0.4903E-06	30	0- 90	0.3294E-05	90-180	0.3259E-05
45-60.00	0.3430E-03	-7.5 TO 82.5	0.3764E-06	82.5-172.5	0.3697E-06	45	0- 90	0.2663E-05	90-180	0.2622E-05
60-75.00	0.3995E-03	-7.5 TO 82.5	0.2310E-06	82.5-172.5	0.2255E-06	60	0- 90	0.1850E-05	90-180	0.1812E-05
75-89.32	0.4091E-03	-7.5 TO 82.5	0.7589E-07	82.5-172.5	0.7283E-07	75	0- 90	0.9208E-06	90-180	0.8938E-06
0-15.00	0.6584E-04	-7.5 TO 97.5	0.6260E-06	82.5-187.5	0.6238E-06	0	0-105	0.4455E-05	90-195	0.4455E-05
15-30.00	0.1930E-03	-7.5 TO 97.5	0.5820E-06	82.5-187.5	0.5774E-06	15	0-105	0.4303E-05	90-195	0.4281E-05
30-45.00	0.3071E-03	-7.5 TO 97.5	0.4962E-06	82.5-187.5	0.4900E-06	30	0-105	0.3839E-05	90-195	0.3800E-05
45-60.00	0.4002E-03	-7.5 TO 97.5	0.3758E-06	82.5-187.5	0.3693E-06	45	0-105	0.3103E-05	90-195	0.3057E-05
60-75.00	0.4661E-03	-7.5 TO 97.5	0.2305E-06	82.5-187.5	0.2253E-06	60	0-105	0.2155E-05	90-195	0.2112E-05
75-89.32	0.4773E-03	-7.5 TO 97.5	0.7564E-07	82.5-187.5	0.7268E-07	75	0-105	0.1072E-05	90-195	0.1042E-05

TABLE I. - Continued. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(1) Continued. Earth-Moon situation; radius ratio, r_2/r_1, 0.2729

r_2/r_1 = 0.2729 d/r_1 = 61.609 $\cosh \mu_1$ = 30.8118 $\cosh \mu_2$ = 112.8461 $\alpha_{2,max}$ = 75.00 $\theta_{2,min}$ = 104.51

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.9406E-05	-7.5 TO 7.5	0.7786E-06	82.5- 97.5	0.7757E-06		0- 15	0.7900E-06	90-105	0.7900E-06
15-30.00	0.2758E-04	-7.5 TO 7.5	0.7258E-06	82.5- 97.5	0.7195E-06	15	0- 15	0.7657E-06	90-105	0.7608E-06
30-45.00	0.4387E-04	-7.5 TO 7.5	0.6205E-06	82.5- 97.5	0.6121E-06	30	0- 15	0.6853E-06	90-105	0.6769E-06
45-60.00	0.5717E-04	-7.5 TO 7.5	0.4711E-06	82.5- 97.5	0.4625E-06	45	0- 15	0.5555E-06	90-105	0.5455E-06
60-75.00	0.6658E-04	-7.5 TO 7.5	0.2898E-06	82.5- 97.5	0.2829E-06	60	0- 15	0.3869E-06	90-105	0.3778E-06
75-89.32	0.6819E-04	-7.5 TO 7.5	0.9575E-07	82.5- 97.5	0.9204E-07	75	0- 15	0.1932E-06	90-105	0.1870E-06
0-15.00	0.1881E-04	-7.5 TO 22.5	0.7786E-06	82.5-112.5	0.7753E-06	0	0- 30	0.1580E-05	90-120	0.1580E-05
15-30.00	0.5516E-04	-7.5 TO 22.5	0.7257E-06	82.5-112.5	0.7187E-06	15	0- 30	0.1531E-05	90-120	0.1521E-05
30-45.00	0.8774E-04	-7.5 TO 22.5	0.6204E-06	82.5-112.5	0.6110E-06	30	0- 30	0.1370E-05	90-120	0.1352E-05
45-60.00	0.1143E-03	-7.5 TO 22.5	0.4710E-06	82.5-112.5	0.4614E-06	45	0- 30	0.1110E-05	90-120	0.1089E-05
60-75.00	0.1332E-03	-7.5 TO 22.5	0.2897E-06	82.5-112.5	0.2820E-06	60	0- 30	0.7733E-06	90-120	0.7536E-06
75-89.32	0.1364E-03	-7.5 TO 22.5	0.9569E-07	82.5-112.5	0.9157E-07	75	0- 30	0.3861E-06	90-120	0.3726E-06
0-15.00	0.2822E-04	-7.5 TO 37.5	0.7785E-06	82.5-127.5	0.7750E-06	0	0- 45	0.2370E-05	90-135	0.2370E-05
15-30.00	0.8273E-04	-7.5 TO 37.5	0.7254E-06	82.5-127.5	0.7180E-06	15	0- 45	0.2296E-05	90-135	0.2279E-05
30-45.00	0.1316E-03	-7.5 TO 37.5	0.6200E-06	82.5-127.5	0.6100E-06	30	0- 45	0.2054E-05	90-135	0.2025E-05
45-60.00	0.1715E-03	-7.5 TO 37.5	0.4707E-06	82.5-127.5	0.4603E-06	45	0- 45	0.1664E-05	90-135	0.1630E-05
60-75.00	0.1997E-03	-7.5 TO 37.5	0.2894E-06	82.5-127.5	0.2812E-06	60	0- 45	0.1159E-05	90-135	0.1127E-05
75-89.32	0.2046E-03	-7.5 TO 37.5	0.9554E-07	82.5-127.5	0.9112E-07	75	0- 45	0.5782E-06	90-135	0.5569E-06
0-15.00	0.3763E-04	-7.5 TO 52.5	0.7783E-06	82.5-142.5	0.7746E-06	0	0- 60	0.3160E-05	90-150	0.3160E-05
15-30.00	0.1103E-03	-7.5 TO 52.5	0.7250E-06	82.5-142.5	0.7173E-06	15	0- 60	0.3060E-05	90-150	0.3037E-05
30-45.00	0.1755E-03	-7.5 TO 52.5	0.6195E-06	82.5-142.5	0.6090E-06	30	0- 60	0.2736E-05	90-150	0.2697E-05
45-60.00	0.2287E-03	-7.5 TO 52.5	0.4701E-06	82.5-142.5	0.4593E-06	45	0- 60	0.2216E-05	90-150	0.2170E-05
60-75.00	0.2663E-03	-7.5 TO 52.5	0.2890E-06	82.5-142.5	0.2804E-06	60	0- 60	0.1542E-05	90-150	0.1500E-05
75-89.32	0.2728E-03	-7.5 TO 52.5	0.9532E-07	82.5-142.5	0.9071E-07	75	0- 60	0.7693E-06	90-150	0.7403E-06
0-15.00	0.4703E-04	-7.5 TO 67.5	0.7781E-06	82.5-157.5	0.7743E-06	0	0- 75	0.3950E-05	90-165	0.3950E-05
15-30.00	0.1379E-03	-7.5 TO 67.5	0.7244E-06	82.5-157.5	0.7166E-06	15	0- 75	0.3823E-05	90-165	0.3795E-05
30-45.00	0.2193E-03	-7.5 TO 67.5	0.6189E-06	82.5-157.5	0.6082E-06	30	0- 75	0.3417E-05	90-165	0.3368E-05
45-60.00	0.2859E-03	-7.5 TO 67.5	0.4695E-06	82.5-157.5	0.4585E-06	45	0- 75	0.2766E-05	90-165	0.2708E-05
60-75.00	0.3329E-03	-7.5 TO 67.5	0.2885E-06	82.5-157.5	0.2797E-06	60	0- 75	0.1924E-05	90-165	0.1871E-05
75-89.32	0.3409E-03	-7.5 TO 67.5	0.9503E-07	82.5-157.5	0.9035E-07	75	0- 75	0.9591E-06	90-165	0.9229E-06
0-15.00	0.5644E-04	-7.5 TO 82.5	0.7778E-06	82.5-172.5	0.7741E-06	0	0- 90	0.4740E-05	90-180	0.4740E-05
15-30.00	0.1655E-03	-7.5 TO 82.5	0.7240E-06	82.5-172.5	0.7161E-06	15	0- 90	0.4585E-05	90-180	0.4552E-05
30-45.00	0.2632E-03	-7.5 TO 82.5	0.6181E-06	82.5-172.5	0.6075E-06	30	0- 90	0.4098E-05	90-180	0.4038E-05
45-60.00	0.3430E-03	-7.5 TO 82.5	0.4687E-06	82.5-172.5	0.4578E-06	45	0- 90	0.3314E-05	90-180	0.3246E-05
60-75.00	0.3995E-03	-7.5 TO 82.5	0.2877E-06	82.5-172.5	0.2791E-06	60	0- 90	0.2304E-05	90-180	0.2242E-05
75-89.32	0.4091E-03	-7.5 TO 82.5	0.9469E-07	82.5-172.5	0.9005E-07	75	0- 90	0.1148E-05	90-180	0.1105E-05
0-15.00	0.6584E-04	-7.5 TO 97.5	0.7775E-06	82.5-187.5	0.7739E-06	0	0-105	0.5530E-05	90-195	0.5530E-05
15-30.00	0.1930E-03	-7.5 TO 97.5	0.7234E-06	82.5-187.5	0.7157E-06	15	0-105	0.5346E-05	90-195	0.5309E-05
30-45.00	0.3071E-03	-7.5 TO 97.5	0.6173E-06	82.5-187.5	0.6069E-06	30	0-105	0.4773E-05	90-195	0.4709E-05
45-60.00	0.4002E-03	-7.5 TO 97.5	0.4678E-06	82.5-187.5	0.4572E-06	45	0-105	0.3860E-05	90-195	0.3784E-05
60-75.00	0.4661E-03	-7.5 TO 97.5	0.2872E-06	82.5-187.5	0.2787E-06	60	0-105	0.2682E-05	90-195	0.2613E-05
75-89.32	0.4773E-03	-7.5 TO 97.5	0.9431E-07	82.5-187.5	0.8982E-07	75	0-105	0.1335E-05	90-195	0.1287E-05

r_2/r_1 = 0.2729 d/r_1 = 61.609 $\cosh \mu_1$ = 30.8118 $\cosh \mu_2$ = 112.8461 $\alpha_{2,max}$ = 90.00 $\theta_{2,min}$ = 89.49

0-15.00	0.9406E-05	-7.5 TO 7.5	0.8336E-06	82.5- 97.5	0.8295E-06	0	0- 15	0.8448E-06	90-105	0.8448E-06
15-30.00	0.2758E-04	-7.5 TO 7.5	0.7783E-06	82.5- 97.5	0.7694E-06	15	0- 15	0.8202E-06	90-105	0.8133E-06
30-45.00	0.4387E-04	-7.5 TO 7.5	0.6664E-06	82.5- 97.5	0.6545E-06	30	0- 15	0.7355E-06	90-105	0.7234E-06
45-60.00	0.5717E-04	-7.5 TO 7.5	0.5067E-06	82.5- 97.5	0.4946E-06	45	0- 15	0.5970E-06	90-105	0.5830E-06
60-75.00	0.6658E-04	-7.5 TO 7.5	0.3120E-06	82.5- 97.5	0.3025E-06	60	0- 15	0.4163E-06	90-105	0.4037E-06
75-89.32	0.6819E-04	-7.5 TO 7.5	0.1032E-06	82.5- 97.5	0.9843E-07	75	0- 15	0.2081E-06	90-105	0.1998E-06
0-15.00	0.1881E-04	-7.5 TO 22.5	0.8336E-06	82.5-112.5	0.8289E-06	0	0- 30	0.1690E-05	90-120	0.1690E-05
15-30.00	0.5516E-04	-7.5 TO 22.5	0.7781E-06	82.5-112.5	0.7683E-06	15	0- 30	0.1640E-05	90-120	0.1625E-05
30-45.00	0.8774E-04	-7.5 TO 22.5	0.6662E-06	82.5-112.5	0.6530E-06	30	0- 30	0.1470E-05	90-120	0.1444E-05
45-60.00	0.1143E-03	-7.5 TO 22.5	0.5065E-06	82.5-112.5	0.4930E-06	45	0- 30	0.1193E-05	90-120	0.1163E-05
60-75.00	0.1332E-03	-7.5 TO 22.5	0.3118E-06	82.5-112.5	0.3013E-06	60	0- 30	0.8319E-06	90-120	0.8045E-06
75-89.32	0.1364E-03	-7.5 TO 22.5	0.1031E-06	82.5-112.5	0.9783E-07	75	0- 30	0.4157E-06	90-120	0.3977E-06
0-15.00	0.2822E-04	-7.5 TO 37.5	0.8334E-06	82.5-127.5	0.8284E-06	0	0- 45	0.2534E-05	90-135	0.2534E-05
15-30.00	0.8273E-04	-7.5 TO 37.5	0.7778E-06	82.5-127.5	0.7672E-06	15	0- 45	0.2459E-05	90-135	0.2436E-05
30-45.00	0.1316E-03	-7.5 TO 37.5	0.6658E-06	82.5-127.5	0.6515E-06	30	0- 45	0.2204E-05	90-135	0.2163E-05
45-60.00	0.1715E-03	-7.5 TO 37.5	0.5060E-06	82.5-127.5	0.4915E-06	45	0- 45	0.1788E-05	90-135	0.1740E-05
60-75.00	0.1997E-03	-7.5 TO 37.5	0.3115E-06	82.5-127.5	0.3002E-06	60	0- 45	0.1246E-05	90-135	0.1203E-05
75-89.32	0.2046E-03	-7.5 TO 37.5	0.1029E-06	82.5-127.5	0.9726E-07	75	0- 45	0.6223E-06	90-135	0.5940E-06
0-15.00	0.3763E-04	-7.5 TO 52.5	0.8331E-06	82.5-142.5	0.8279E-06	0	0- 60	0.3379E-05	90-150	0.3379E-05
15-30.00	0.1103E-03	-7.5 TO 52.5	0.7772E-06	82.5-142.5	0.7662E-06	15	0- 60	0.3277E-05	90-150	0.3245E-05
30-45.00	0.1755E-03	-7.5 TO 52.5	0.6651E-06	82.5-142.5	0.6502E-06	30	0- 60	0.2935E-05	90-150	0.2879E-05
45-60.00	0.2287E-03	-7.5 TO 52.5	0.5053E-06	82.5-142.5	0.4902E-06	45	0- 60	0.2380E-05	90-150	0.2315E-05
60-75.00	0.2663E-03	-7.5 TO 52.5	0.3109E-06	82.5-142.5	0.2991E-06	60	0- 60	0.1658E-05	90-150	0.1599E-05
75-89.32	0.2728E-03	-7.5 TO 52.5	0.1026E-06	82.5-142.5	0.9674E-07	75	0- 60	0.8275E-06	90-150	0.7890E-06
0-15.00	0.4703E-04	-7.5 TO 67.5	0.8328E-06	82.5-157.5	0.8275E-06	0	0- 75	0.4224E-05	90-165	0.4224E-05
15-30.00	0.1379E-03	-7.5 TO 67.5	0.7766E-06	82.5-157.5	0.7653E-06	15	0- 75	0.4093E-05	90-165	0.4053E-05
30-45.00	0.2193E-03	-7.5 TO 67.5	0.6641E-06	82.5-157.5	0.6490E-06	30	0- 75	0.3664E-05	90-165	0.3594E-05
45-60.00	0.2859E-03	-7.5 TO 67.5	0.5043E-06	82.5-157.5	0.4890E-06	45	0- 75	0.2969E-05	90-165	0.2888E-05
60-75.00	0.3329E-03	-7.5 TO 67.5	0.3102E-06	82.5-157.5	0.2982E-06	60	0- 75	0.2067E-05	90-165	0.1994E-05
75-89.32	0.3409E-03	-7.5 TO 67.5	0.1023E-06	82.5-157.5	0.9629E-07	75	0- 75	0.1031E-05	90-165	0.9830E-06
0-15.00	0.5644E-04	-7.5 TO 82.5	0.8324E-06	82.5-172.5	0.8272E-06	0	0- 90	0.5069E-05	90-180	0.5069E-05
15-30.00	0.1655E-03	-7.5 TO 82.5	0.7758E-06	82.5-172.5	0.7646E-06	15	0- 90	0.4908E-05	90-180	0.4861E-05
30-45.00	0.2632E-03	-7.5 TO 82.5	0.6631E-06	82.5-172.5	0.6481E-06	30	0- 90	0.4390E-05	90-180	0.4308E-05
45-60.00	0.3430E-03	-7.5 TO 82.5	0.5032E-06	82.5-172.5	0.4880E-06	45	0- 90	0.3556E-05	90-180	0.3460E-05
60-75.00	0.3995E-03	-7.5 TO 82.5	0.3093E-06	82.5-172.5	0.2974E-06	60	0- 90	0.2474E-05	90-180	0.2388E-05
75-89.32	0.4091E-03	-7.5 TO 82.5	0.1018E-06	82.5-172.5	0.9591E-07	75	0- 90	0.1233E-05	90-180	0.1177E-05
0-15.00	0.6584E-04	-7.5 TO 97.5	0.8320E-06	82.5-187.5	0.8269E-06	0	0-105	0.5914E-05	90-195	0.5914E-05
15-30.00	0.1930E-03	-7.5 TO 97.5	0.7748E-06	82.5-187.5	0.7640E-06	15	0-105	0.5722E-05	90-195	0.5669E-05
30-45.00	0.3071E-03	-7.5 TO 97.5	0.6618E-06	82.5-187.5	0.6473E-06	30	0-105	0.5113E-05	90-195	0.5023E-05
45-60.00	0.4002E-03	-7.5 TO 97.5	0.5020E-06	82.5-187.5	0.4872E-06	45	0-105	0.4139E-05	90-195	0.4032E-05
60-75.00	0.4661E-03	-7.5 TO 97.5	0.3083E-06	82.5-187.5	0.2968E-06	60	0-105	0.2878E-05	90-195	0.2782E-05
75-89.32	0.4773E-03	-7.5 TO 97.5	0.1013E-06	82.5-187.5	0.9562E-07	75	0-105	0.1433E-05	90-195	0.1370E-05

TABLE I. - Concluded. CONFIGURATION FACTORS FROM PATCH TO PATCH AND ELEMENT TO PATCH

(1) Concluded. Earth-Moon situation; radius ratio, r_2/r_1, 0.2729

r_2/r_1 = 0.2729 d/r_1 = 61.609 $\cosh \mu_1$ = 30.8118 $\cosh \mu_2$ = 112.8461 $\alpha_{2,max}$ = 90.68 $\theta_{2,min}$ = 88.82

Span of α_1	Dimensionless area, A/a^2	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	Span of φ_1	Configuration factor, $F_{P_1-P_2}$	α_{dA_1}	Span of φ_2	Configuration factor, $F_{dA_1-P_2}$	Span of φ_2	Configuration factor $F_{dA_1-P_2}$
0-15.00	0.9406E-05	-7.5 TO 7.5	0.8336E-06	82.5- 97.5	0.8295E-06	0	0- 15	0.8448E-06	90-105	0.8448E-06
15-30.00	0.2758E-04	-7.5 TO 7.5	0.7783E-06	82.5- 97.5	0.7694E-06	15	0- 15	0.8202E-06	90-105	0.8133E-06
30-45.00	0.4387E-04	-7.5 TO 7.5	0.6665E-06	82.5- 97.5	0.6545E-06	30	0- 15	0.7355E-06	90-105	0.7234E-06
45-60.00	0.5717E-04	-7.5 TO 7.5	0.5067E-06	82.5- 97.5	0.4946E-06	45	0- 15	0.5971E-06	90-105	0.5830E-06
60-75.00	0.6658E-04	-7.5 TO 7.5	0.3120E-06	82.5- 97.5	0.3025E-06	60	0- 15	0.4164E-06	90-105	0.4037E-06
75-89.32	0.6819E-04	-7.5 TO 7.5	0.1032E-06	82.5- 97.5	0.9843E-07	75	0- 15	0.2081E-06	90-105	0.1998E-06
0-15.00	0.1881E-04	-7.5 TO 22.5	0.8336E-06	82.5-112.5	0.8289E-06	0	0- 30	0.1690E-05	90-120	0.1690E-05
15-30.00	0.5516E-04	-7.5 TO 22.5	0.7781E-06	82.5-112.5	0.7683E-06	15	0- 30	0.1640E-05	90-120	0.1625E-05
30-45.00	0.8774E-04	-7.5 TO 22.5	0.6663E-06	82.5-112.5	0.6530E-06	30	0- 30	0.1470E-05	90-120	0.1444E-05
45-60.00	0.1143E-03	-7.5 TO 22.5	0.5065E-06	82.5-112.5	0.4930E-06	45	0- 30	0.1193E-05	90-120	0.1163E-05
60-75.00	0.1332E-03	-7.5 TO 22.5	0.3119E-06	82.5-112.5	0.3013E-06	60	0- 30	0.8320E-06	90-120	0.8045E-06
75-89.32	0.1364E-03	-7.5 TO 22.5	0.1031E-06	82.5-112.5	0.9783E-07	75	0- 30	0.4157E-06	90-120	0.3977E-06
0-15.00	0.2822E-04	-7.5 TO 37.5	0.8334E-06	82.5-127.5	0.8284E-06	0	0- 45	0.2534E-05	90-135	0.2534E-05
15-30.00	0.8273E-04	-7.5 TO 37.5	0.7778E-06	82.5-127.5	0.7672E-06	15	0- 45	0.2459E-05	90-135	0.2436E-05
30-45.00	0.1316E-03	-7.5 TO 37.5	0.6658E-06	82.5-127.5	0.6515E-06	30	0- 45	0.2204E-05	90-135	0.2163E-05
45-60.00	0.1715E-03	-7.5 TO 37.5	0.5060E-06	82.5-127.5	0.4915E-06	45	0- 45	0.1788E-05	90-135	0.1740E-05
60-75.00	0.1997E-03	-7.5 TO 37.5	0.3115E-06	82.5-127.5	0.3002E-06	60	0- 45	0.1246E-05	90-135	0.1203E-05
75-89.32	0.2046E-03	-7.5 TO 37.5	0.1029E-06	82.5-127.5	0.9726E-07	75	0- 45	0.6224E-06	90-135	0.5940E-06
0-15.00	0.3763E-04	-7.5 TO 52.5	0.8331E-06	82.5-142.5	0.8279E-06	0	0- 60	0.3379E-05	90-150	0.3379E-05
15-30.00	0.1103E-03	-7.5 TO 52.5	0.7772E-06	82.5-142.5	0.7662E-06	15	0- 60	0.3277E-05	90-150	0.3245E-05
30-45.00	0.1755E-03	-7.5 TO 52.5	0.6651E-06	82.5-142.5	0.6502E-06	30	0- 60	0.2935E-05	90-150	0.2879E-05
45-60.00	0.2287E-03	-7.5 TO 52.5	0.5053E-06	82.5-142.5	0.4902E-06	45	0- 60	0.2380E-05	90-150	0.2315E-05
60-75.00	0.2663E-03	-7.5 TO 52.5	0.3109E-06	82.5-142.5	0.2991E-06	60	0- 60	0.1658E-05	90-150	0.1599E-05
75-89.32	0.2728E-03	-7.5 TO 52.5	0.1026E-06	82.5-142.5	0.9674E-07	75	0- 60	0.8276E-06	90-150	0.7890E-06
0-15.00	0.4703E-04	-7.5 TO 67.5	0.8328E-06	82.5-157.5	0.8275E-06	0	0- 75	0.4224E-05	90-165	0.4224E-05
15-30.00	0.1379E-03	-7.5 TO 67.5	0.7766E-06	82.5-157.5	0.7653E-06	15	0- 75	0.4093E-05	90-165	0.4053E-05
30-45.00	0.2193E-03	-7.5 TO 67.5	0.6642E-06	82.5-157.5	0.6490E-06	30	0- 75	0.3664E-05	90-165	0.3594E-05
45-60.00	0.2859E-03	-7.5 TO 67.5	0.5044E-06	82.5-157.5	0.4890E-06	45	0- 75	0.2969E-05	90-165	0.2888E-05
60-75.00	0.3329E-03	-7.5 TO 67.5	0.3102E-06	82.5-157.5	0.2982E-06	60	0- 75	0.2067E-05	90-165	0.1994E-05
75-89.32	0.3409E-03	-7.5 TO 67.5	0.1023E-06	82.5-157.5	0.9629E-07	75	0- 75	0.1031E-05	90-165	0.9830E-06
0-15.00	0.5644E-04	-7.5 TO 82.5	0.8324E-06	82.5-172.5	0.8272E-06	0	0- 90	0.5069E-05	90-180	0.5069E-05
15-30.00	0.1655E-03	-7.5 TO 82.5	0.7758E-06	82.5-172.5	0.7646E-06	15	0- 90	0.4908E-05	90-180	0.4861E-05
30-45.00	0.2632E-03	-7.5 TO 82.5	0.6631E-06	82.5-172.5	0.6481E-06	30	0- 90	0.4390E-05	90-180	0.4308E-05
45-60.00	0.3430E-03	-7.5 TO 82.5	0.5032E-06	82.5-172.5	0.4880E-06	45	0- 90	0.3556E-05	90-180	0.3460E-05
60-75.00	0.3995E-03	-7.5 TO 82.5	0.3093E-06	82.5-172.5	0.2974E-06	60	0- 90	0.2474E-05	90-180	0.2388E-05
75-89.32	0.4091E-03	-7.5 TO 82.5	0.1018E-06	82.5-172.5	0.9591E-07	75	0- 90	0.1233E-05	90-180	0.1177E-05
0-15.00	0.6584E-04	-7.5 TO 97.5	0.8320E-06	82.5-187.5	0.8269E-06	0	0-105	0.5914E-05	90-195	0.5914E-05
15-30.00	0.1930E-03	-7.5 TO 97.5	0.7748E-06	82.5-187.5	0.7640E-06	15	0-105	0.5722E-05	90-195	0.5669E-05
30-45.00	0.3071E-03	-7.5 TO 97.5	0.6618E-06	82.5-187.5	0.6473E-06	30	0-105	0.5114E-05	90-195	0.5023E-05
45-60.00	0.4002E-03	-7.5 TO 97.5	0.5020E-06	82.5-187.5	0.4872E-06	45	0-105	0.4139E-05	90-195	0.4032E-05
60-75.00	0.4661E-03	-7.5 TO 97.5	0.3084E-06	82.5-187.5	0.2968E-06	60	0-105	0.2878E-05	90-195	0.2782E-05
75-89.32	0.4773E-03	-7.5 TO 97.5	0.1013E-06	82.5-187.5	0.9562E-07	75	0-105	0.1433E-05	90-195	0.1370E-05

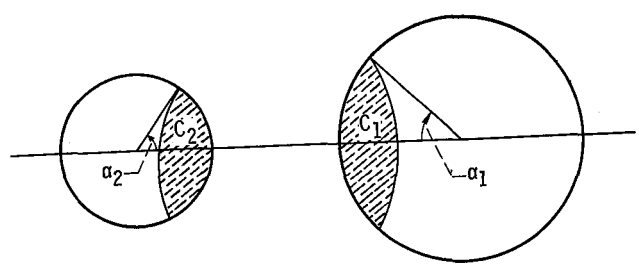
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TABLE II - CONFIGURATION FACTORS FROM CAP TO CAP

Explanation of Table

Values of $F_{C_1-C_2}$ the cap-to-cap configuration factors, are given. Pertinent values of r_2/r_1, d/r_1, cosh μ_1, and cosh μ_2 are given in the table headings. The two caps have the z-axis as common symmetry axes.

Column heading	Description
α_2	The limiting value of α in cap C_2; cap C_2 subtends a cone half-angle of this value from the center of sphere 2.
θ_2	Corresponding values of the bispherical coordinate θ of α_2.
α_1	The limiting value of α in cap C_1; cap C_1 subtends a cone half-angle of this value from the center of sphere 1.
θ_1	Corresponding values of the bispherical coordinate θ of α_1.
$F_{C_1-C_2}$	Values of $F_{C_1-C_2}$ for the α_1 angle of cap C_1 given in column 3 and the α_2 angle of cap C_2 given in column 1. The configuration chosen for $F_{C_1-C_2}$ values given in column 5 is shown in sketch (r).
A_1/a^2	Area of cap C_1 divided by a^2, where a is the physical scale parameter. When either r_1 or r_2 is given, $a = r_i\left(\cosh^2 \mu_i - 1\right)^{1/2}$, where $i = 1$ or 2.



(r)

TABLE II. - CONFIGURATION FACTORS FROM CAP TO CAP

(a) Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 1.011$ $\cosh \mu_1 = 1.0000$ $\cosh \mu_2 = 1.0990$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	117.54	11.70	2.55	0.1613E-03	0.62921E 04
30.00	78.04	11.70	2.55	0.6124E-03	0.62921E 04
45.00	55.33	11.70	2.55	0.1268E-02	0.62921E 04
60.00	41.22	11.70	2.55	0.2013E-02	0.62921E 04
75.00	31.60	11.70	2.55	0.2728E-02	0.62921E 04
90.00	24.50	11.70	2.55	0.3321E-02	0.62921E 04
105.00	18.92	11.70	2.55	0.3739E-02	0.62921E 04
120.00	14.29	11.70	2.55	0.3984E-02	0.62921E 04
135.00	10.28	11.70	2.55	0.4094E-02	0.62921E 04
150.00	6.66	11.70	2.55	0.4126E-02	0.62921E 04
165.00	3.27	11.70	2.55	0.4129E-02	0.62921E 04
168.30	2.55	11.70	2.55	0.4129E-02	0.62921E 04

$r_2/r_1 = 0.01$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2500$ $\cosh \mu_2 = 75.0025$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.80	15.00	136.89	0.5898E-05	0.38065E 00
15.00	164.80	30.00	102.41	0.4128E-05	0.14967E 01
15.00	164.80	45.00	77.65	0.2664E-05	0.32720E 01
15.00	164.80	60.00	60.00	0.1691E-05	0.55857E 01
15.00	164.80	60.33	59.67	0.1674E-05	0.56415E 01
30.00	149.62	15.00	136.89	0.2197E-04	0.38065E 00
30.00	149.62	30.00	102.41	0.1538E-04	0.14967E 01
30.00	149.62	45.00	77.65	0.9928E-05	0.32720E 01
30.00	149.62	60.00	60.00	0.6305E-05	0.55857E 01
30.00	149.62	60.33	59.67	0.6243E-05	0.56415E 01
45.00	134.46	15.00	136.89	0.4381E-04	0.38065E 00
45.00	134.46	30.00	102.41	0.3069E-04	0.14967E 01
45.00	134.46	45.00	77.65	0.1982E-04	0.32720E 01
45.00	134.46	60.00	60.00	0.1259E-04	0.55857E 01
45.00	134.46	60.33	59.67	0.1246E-04	0.56415E 01
60.00	119.34	15.00	136.89	0.6547E-04	0.38065E 00
60.00	119.34	30.00	102.41	0.4590E-04	0.14967E 01
60.00	119.34	45.00	77.65	0.2965E-04	0.32720E 01
60.00	119.34	60.00	60.00	0.1884E-04	0.55857E 01
60.00	119.34	60.33	59.67	0.1866E-04	0.56415E 01
75.00	104.26	15.00	136.89	0.8109E-04	0.38065E 00
75.00	104.26	30.00	102.41	0.5694E-04	0.14967E 01
75.00	104.26	45.00	77.65	0.3690E-04	0.32720E 01
75.00	104.26	60.00	60.00	0.2348E-04	0.55857E 01
75.00	104.26	60.33	59.67	0.2324E-04	0.56415E 01
90.00	89.24	15.00	136.89	0.8724E-04	0.38065E 00
90.00	89.24	30.00	102.41	0.6218E-04	0.14967E 01
90.00	89.24	45.00	77.65	0.4064E-04	0.32720E 01
90.00	89.24	60.00	60.00	0.2593E-04	0.55857E 01
90.00	89.24	60.33	59.67	0.2567E-04	0.56415E 01
105.00	74.26	15.00	136.89	0.8782E-04	0.38065E 00
105.00	74.26	30.00	102.41	0.6341E-04	0.14967E 01
105.00	74.26	45.00	77.65	0.4178E-04	0.32720E 01
105.00	74.26	60.00	60.00	0.2672E-04	0.55857E 01
105.00	74.26	60.33	59.67	0.2645E-04	0.56415E 01
119.67	59.67	15.00	136.89	0.8782E-04	0.38065E 00
119.67	59.67	30.00	102.41	0.6344E-04	0.14967E 01
119.67	59.67	45.00	77.65	0.4187E-04	0.32720E 01
119.67	59.67	60.00	60.00	0.2679E-04	0.55857E 01
119.67	59.67	60.33	59.67	0.2653E-04	0.56415E 01

$r_2/r_1 = 0.01$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6666$ $\cosh \mu_2 = 133.3350$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.89	15.00	150.50	0.1581E-05	0.12043E 00
15.00	164.89	30.00	123.63	0.1312E-05	0.47352E 00
15.00	164.89	45.00	100.72	0.1001E-05	0.10352E 01
15.00	164.89	60.00	81.79	0.7227E-06	0.17672E 01
15.00	164.89	70.73	70.33	0.5591E-06	0.23680E 01
30.00	149.78	15.00	150.50	0.5894E-05	0.12043E 00
30.00	149.78	30.00	123.63	0.4893E-05	0.47352E 00
30.00	149.78	45.00	100.72	0.3732E-05	0.10352E 01
30.00	149.78	60.00	81.79	0.2695E-05	0.17672E 01
30.00	149.78	70.73	70.33	0.2085E-05	0.23680E 01
45.00	134.70	15.00	150.50	0.1177E-04	0.12043E 00
45.00	134.70	30.00	123.63	0.9772E-05	0.47352E 00
45.00	134.70	45.00	100.72	0.7455E-05	0.10352E 01
45.00	134.70	60.00	81.79	0.5384E-05	0.17672E 01
45.00	134.70	70.73	70.33	0.4166E-05	0.23680E 01
60.00	119.63	15.00	150.50	0.1762E-04	0.12043E 00
60.00	119.63	30.00	123.63	0.1463E-04	0.47352E 00
60.00	119.63	45.00	100.72	0.1116E-04	0.10352E 01
60.00	119.63	60.00	81.79	0.8064E-05	0.17672E 01
60.00	119.63	70.73	70.33	0.6240E-05	0.23680E 01
75.00	104.58	15.00	150.50	0.2187E-04	0.12043E 00
75.00	104.58	30.00	123.63	0.1816E-04	0.47352E 00
75.00	104.58	45.00	100.72	0.1386E-04	0.10352E 01
75.00	104.58	60.00	81.79	0.1002E-04	0.17672E 01
75.00	104.58	70.73	70.33	0.7751E-05	0.23680E 01
90.00	89.57	15.00	150.50	0.2343E-04	0.12043E 00
90.00	89.57	30.00	123.63	0.1956E-04	0.47352E 00
90.00	89.57	45.00	100.72	0.1500E-04	0.10352E 01
90.00	89.57	60.00	81.79	0.1087E-04	0.17672E 01
90.00	89.57	70.73	70.33	0.8419E-05	0.23680E 01
105.00	74.59	15.00	150.50	0.2347E-04	0.12043E 00
105.00	74.59	30.00	123.63	0.1968E-04	0.47352E 00
105.00	74.59	45.00	100.72	0.1516E-04	0.10352E 01
105.00	74.59	60.00	81.79	0.1102E-04	0.17672E 01
105.00	74.59	70.73	70.33	0.8536E-05	0.23680E 01
109.27	70.33	15.00	150.50	0.2347E-04	0.12043E 00
109.27	70.33	30.00	123.63	0.1968E-04	0.47352E 00
109.27	70.33	45.00	100.72	0.1516E-04	0.10352E 01
109.27	70.33	60.00	81.79	0.1102E-04	0.17672E 01
109.27	70.33	70.73	70.33	0.8537E-05	0.23680E 01

$r_2/r_1 = 0.01$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.6000$ $\cosh \mu_2 = 240.0010$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.94	15.00	157.66	0.4C49E-06	0.37170E-01
15.00	164.94	30.00	136.21	0.3621E-06	0.14614E 00
15.00	164.94	45.00	116.29	0.3034E-06	0.31950E 00
15.00	164.94	60.00	98.21	0.2402E-06	0.54542E 00
15.00	164.94	75.00	81.97	0.1808E-06	0.80851E 00
15.00	164.94	78.58	78.35	0.1677E-06	0.87485E 00
30.00	149.88	15.00	157.66	0.1510E-05	0.37170E-01
30.00	149.88	30.00	136.21	0.1351E-05	0.14614E 00
30.00	149.88	45.00	116.29	0.1132E-05	0.31950E 00
30.00	149.88	60.00	98.21	0.8962E-06	0.54542E 00
30.00	149.88	75.00	81.97	0.6745E-06	0.80851E 00
30.00	149.88	78.58	78.35	0.6256E-06	0.87485E 00
45.00	134.83	15.00	157.66	0.3018E-05	0.37170E-01
45.00	134.83	30.00	136.21	0.2699E-05	0.14614E 00
45.00	134.83	45.00	116.29	0.2262E-05	0.31950E 00
45.00	134.83	60.00	98.21	0.1791E-05	0.54542E 00
45.00	134.83	75.00	81.97	0.1348E-05	0.80851E 00
45.00	134.83	78.58	78.35	0.1250E-05	0.87485E 00
60.00	119.79	15.00	157.66	0.4523E-05	0.37170E-01
60.00	119.79	30.00	136.21	0.4045E-05	0.14614E 00
60.00	119.79	45.00	116.29	0.3390E-05	0.31950E 00
60.00	119.79	60.00	98.21	0.2684E-05	0.54542E 00
60.00	119.79	75.00	81.97	0.2020E-05	0.80851E 00
60.00	119.79	78.58	78.35	0.1874E-05	0.87485E 00
75.00	104.77	15.00	157.66	0.5620E-05	0.37170E-01
75.00	104.77	30.00	136.21	0.5027E-05	0.14614E 00
75.00	104.77	45.00	116.29	0.4212E-05	0.31950E 00
75.00	104.77	60.00	98.21	0.3336E-05	0.54542E 00
75.00	104.77	75.00	81.97	0.2511E-05	0.80851E 00
75.00	104.77	78.58	78.35	0.2329E-05	0.87485E 00
90.00	89.76	15.00	157.66	0.6619E-05	0.37170E-01
90.00	89.76	30.00	136.21	0.5391E-05	0.14614E 00
90.00	89.76	45.00	116.29	0.4525E-05	0.31950E 00
90.00	89.76	60.00	98.21	0.3588E-05	0.54542E 00
90.00	89.76	75.00	81.97	0.2703E-05	0.80851E 00
90.00	89.76	78.58	78.35	0.2507E-05	0.87485E 00
101.42	78.35	15.00	157.66	0.6022E-05	0.37170E-01
101.42	78.35	30.00	136.21	0.5400E-05	0.14614E 00
101.42	78.35	45.00	116.29	0.4539E-05	0.31950E 00
101.42	78.35	60.00	98.21	0.3604E-05	0.54542E 00
101.42	78.35	75.00	81.97	0.2716E-05	0.80851E 00
101.42	78.35	78.58	78.35	0.2519E-05	0.87485E 00

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(a) Continued. Radius ratio, r_2/r_1, 0.01

$r_2/r_1 = 0.01$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5714$ $\cosh \mu_2 = 342.8578$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.96	15.00	160.09	0.1811E-06	0.18213E-01
15.00	164.96	30.00	140.68	0.1655E-06	0.71611E-01
15.00	164.96	45.00	122.18	0.1430E-06	0.15655E 00
15.00	164.96	60.00	104.82	0.1172E-06	0.26725E 00
15.00	164.96	75.00	88.69	0.9117E-07	0.39617E 00
15.00	164.96	81.87	81.70	0.7984E-07	0.45891E 00
30.00	149.92	15.00	160.09	0.6756E-06	0.18213E-01
30.00	149.92	30.00	140.68	0.6176E-06	0.71611E-01
30.00	149.92	45.00	122.18	0.5336E-06	0.15655E 00
30.00	149.92	60.00	104.82	0.4372E-06	0.26725E 00
30.00	149.92	75.00	88.69	0.3401E-06	0.39617E 00
30.00	149.92	81.87	81.70	0.2979E-06	0.45891E 00
45.00	134.88	15.00	160.09	0.1351E-05	0.18213E-01
45.00	134.88	30.00	140.68	0.1235E-05	0.71611E-01
45.00	134.88	45.00	122.18	0.1067E-05	0.15655E 00
45.00	134.88	60.00	104.82	0.8740E-06	0.26725E 00
45.00	134.88	75.00	88.69	0.6800E-06	0.39617E 00
45.00	134.88	81.87	81.70	0.5955E-06	0.45891E 00
60.00	119.86	15.00	160.09	0.2024E-05	0.18213E-01
60.00	119.86	30.00	140.68	0.1851E-05	0.71611E-01
60.00	119.86	45.00	122.18	0.1599E-05	0.15655E 00
60.00	119.86	60.00	104.82	0.1310E-05	0.26725E 00
60.00	119.86	75.00	88.69	0.1019E-05	0.39617E 00
60.00	119.86	81.87	81.70	0.8927E-06	0.45891E 00
75.00	104.84	15.00	160.09	0.2516E-05	0.18213E-01
75.00	104.84	30.00	140.68	0.2300E-05	0.71611E-01
75.00	104.84	45.00	122.18	0.1988E-05	0.15655E 00
75.00	104.84	60.00	104.82	0.1629E-05	0.26725E 00
75.00	104.84	75.00	88.69	0.1267E-05	0.39617E 00
75.00	104.84	81.87	81.70	0.1110E-05	0.45891E 00
90.00	89.83	15.00	160.09	0.2695E-05	0.18213E-01
90.00	89.83	30.00	140.68	0.2466E-05	0.71611E-01
90.00	89.83	45.00	122.18	0.2132E-05	0.15655E 00
90.00	89.83	60.00	104.82	0.1748E-05	0.26725E 00
90.00	89.83	75.00	88.69	0.1361E-05	0.39617E 00
90.00	89.83	81.87	81.70	0.1192E-05	0.45891E 00
98.13	81.70	15.00	160.09	0.2696E-05	0.18213E-01
98.13	81.70	30.00	140.68	0.2467E-05	0.71611E-01
98.13	81.70	45.00	122.18	0.2135E-05	0.15655E 00
98.13	81.70	60.00	104.82	0.1752E-05	0.26725E 00
98.13	81.70	75.00	88.69	0.1364E-05	0.39617E 00
98.13	81.70	81.87	81.70	0.1195E-05	0.45891E 00

$r_2/r_1 = 0.01$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0500$ $\cosh \mu_2 = 495.0005$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.97	15.00	161.77	0.8079E-07	0.87377E-02
15.00	164.97	30.00	143.73	0.7485E-07	0.34355E-01
15.00	164.97	45.00	126.30	0.6596E-07	0.75107E-01
15.00	164.97	60.00	109.58	0.5532E-07	0.12822E 00
15.00	164.97	75.00	93.67	0.4409E-07	0.19006E 00
15.00	164.97	84.32	84.20	0.3725E-07	0.23104E 00
30.00	149.94	15.00	161.72	0.3014E-06	0.87377E-02
30.00	149.94	30.00	143.73	0.2793E-06	0.34355E-01
30.00	149.94	45.00	126.30	0.2461E-06	0.75107E-01
30.00	149.94	60.00	109.58	0.2064E-06	0.12822E 00
30.00	149.94	75.00	93.67	0.1645E-06	0.19006E 00
30.00	149.94	84.32	84.20	0.1390E-06	0.23104E 00
45.00	134.92	15.00	161.72	0.6026E-06	0.87377E-02
45.00	134.92	30.00	143.73	0.5584E-06	0.34355E-01
45.00	134.92	45.00	126.30	0.4921E-06	0.75107E-01
45.00	134.92	60.00	109.58	0.4127E-06	0.12822E 00
45.00	134.92	75.00	93.67	0.3289E-06	0.19006E 00
45.00	134.92	84.32	84.20	0.2779E-06	0.23104E 00
60.00	119.90	15.00	161.72	0.9036E-06	0.87377E-02
60.00	119.90	30.00	143.73	0.8372E-06	0.34355E-01
60.00	119.90	45.00	126.30	0.7378E-06	0.75107E-01
60.00	119.90	60.00	109.58	0.6188E-06	0.12822E 00
60.00	119.90	75.00	93.67	0.4931E-06	0.19006E 00
60.00	119.90	84.32	84.20	0.4166E-06	0.23104E 00
75.00	104.89	15.00	161.72	0.1123E-05	0.87377E-02
75.00	104.89	30.00	143.73	0.1041E-05	0.34355E-01
75.00	104.89	45.00	126.30	0.9174E-06	0.75107E-01
75.00	104.89	60.00	109.58	0.7694E-06	0.12822E 00
75.00	104.89	75.00	93.67	0.6132E-06	0.19006E 00
75.00	104.89	84.32	84.20	0.5180E-06	0.23104E 00
90.00	89.88	15.00	161.72	0.1204E-05	0.87377E-02
90.00	89.88	30.00	143.73	0.1115E-05	0.34355E-01
90.00	89.88	45.00	126.30	0.9834E-06	0.75107E-01
90.00	89.88	60.00	109.58	0.8251E-06	0.12822E 00
90.00	89.88	75.00	93.67	0.6577E-06	0.19006E 00
90.00	89.88	84.32	84.20	0.5557E-06	0.23104E 00
98.13	84.20	15.00	161.72	0.1204E-05	0.87377E-02
98.13	84.20	30.00	143.73	0.1116E-05	0.34355E-01
98.13	84.20	45.00	126.30	0.9841E-06	0.75107E-01
98.13	84.20	60.00	109.58	0.8259E-06	0.12822E 00
98.13	84.20	75.00	93.67	0.6584E-06	0.19006E 00
98.13	84.20	84.32	84.20	0.5563E-06	0.23104E 00

$r_2/r_1 = 0.01$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0250$ $\cosh \mu_2 = 997.5002$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.99	15.00	163.44	0.1819E-07	0.21517E-02
15.00	164.99	30.00	147.01	0.1708E-07	0.84601E-02
15.00	164.99	45.00	130.80	0.1536E-07	0.18495E-01
15.00	164.99	60.00	114.91	0.1320E-07	0.31574E-01
15.00	164.99	75.00	99.40	0.1080E-07	0.46804E-01
15.00	164.99	87.16	87.11	0.8818E-08	0.60021E-01
30.00	149.97	15.00	163.44	0.6788E-07	0.21517E-02
30.00	149.97	30.00	147.01	0.6373E-07	0.84601E-02
30.00	149.97	45.00	130.80	0.5730E-07	0.18495E-01
30.00	149.97	60.00	114.91	0.4926E-07	0.31574E-01
30.00	149.97	75.00	99.40	0.4032E-07	0.46804E-01
30.00	149.97	87.16	87.11	0.3291E-07	0.60021E-01
45.00	134.96	15.00	163.44	0.1357E-06	0.21517E-02
45.00	134.96	30.00	147.01	0.1274E-06	0.84601E-02
45.00	134.96	45.00	130.80	0.1146E-06	0.18495E-01
45.00	134.96	60.00	114.91	0.9850E-07	0.31574E-01
45.00	134.96	75.00	99.40	0.8062E-07	0.46804E-01
45.00	134.96	87.16	87.11	0.6580E-07	0.60021E-01
60.00	119.95	15.00	163.44	0.2036E-06	0.21517E-02
60.00	119.95	30.00	147.01	0.1911E-06	0.84601E-02
60.00	119.95	45.00	130.80	0.1718E-06	0.18495E-01
60.00	119.95	60.00	114.91	0.1477E-06	0.31574E-01
60.00	119.95	75.00	99.40	0.1209E-06	0.46804E-01
60.00	119.95	87.16	87.11	0.9868E-07	0.60021E-01
75.00	104.94	15.00	163.44	0.2532E-06	0.21517E-02
75.00	104.94	30.00	147.01	0.2377E-06	0.84601E-02
75.00	104.94	45.00	130.80	0.2137E-06	0.18495E-01
75.00	104.94	60.00	114.91	0.1837E-06	0.31574E-01
75.00	104.94	75.00	99.40	0.1504E-06	0.46804E-01
75.00	104.94	87.16	87.11	0.1227E-06	0.60021E-01
90.00	89.94	15.00	163.44	0.2713E-06	0.21517E-02
90.00	89.94	30.00	147.01	0.2547E-06	0.84601E-02
90.00	89.94	45.00	130.80	0.2290E-06	0.18495E-01
90.00	89.94	60.00	114.91	0.1969E-06	0.31574E-01
90.00	89.94	75.00	99.40	0.1612E-06	0.46804E-01
90.00	89.94	87.16	87.11	0.1316E-06	0.60021E-01
92.84	87.11	15.00	163.44	0.2713E-06	0.21517E-02
92.84	87.11	30.00	147.01	0.2547E-06	0.84601E-02
92.84	87.11	45.00	130.80	0.2291E-06	0.18495E-01
92.84	87.11	60.00	114.91	0.1969E-06	0.31574E-01
92.84	87.11	75.00	99.40	0.1612E-06	0.46804E-01
92.84	87.11	87.16	87.11	0.1316E-06	0.60021E-01

$r_2/r_1 = 0.01$ $d/r_1 = 50.00$ $\cosh \mu_1 = 25.0100$ $\cosh \mu_2 = 2499.0001$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.99	15.00	164.40	0.2740E-08	0.34283E-03
15.00	164.99	30.00	148.83	0.2590E-08	0.13479E-02
15.00	164.99	45.00	133.36	0.2354E-08	0.29468E-02
15.00	164.99	60.00	118.00	0.2051E-08	0.50306E-02
15.00	164.99	75.00	102.78	0.1704E-08	0.74571E-02
15.00	164.99	88.87	88.84	0.1367E-08	0.98619E-02
30.00	149.99	15.00	164.40	0.1022E-07	0.34283E-03
30.00	149.99	30.00	148.83	0.9664E-08	0.13479E-02
30.00	149.99	45.00	133.36	0.8783E-08	0.29468E-02
30.00	149.99	60.00	118.00	0.7653E-08	0.50306E-02
30.00	149.99	75.00	102.78	0.6360E-08	0.74571E-02
30.00	149.99	88.87	88.84	0.5103E-08	0.98619E-02
45.00	134.98	15.00	164.40	0.2045E-07	0.34283E-03
45.00	134.98	30.00	148.83	0.1933E-07	0.13479E-02
45.00	134.98	45.00	133.36	0.1757E-07	0.29468E-02
45.00	134.98	60.00	118.00	0.1530E-07	0.50306E-02
45.00	134.98	75.00	102.78	0.1272E-07	0.74571E-02
45.00	134.98	88.87	88.84	0.1020E-07	0.98619E-02
60.00	119.98	15.00	164.40	0.3067E-07	0.34283E-03
60.00	119.98	30.00	148.83	0.2899E-07	0.13479E-02
60.00	119.98	45.00	133.36	0.2635E-07	0.29468E-02
60.00	119.98	60.00	118.00	0.2295E-07	0.50306E-02
60.00	119.98	75.00	102.78	0.1908E-07	0.74571E-02
60.00	119.98	88.87	88.84	0.1531E-07	0.98619E-02
75.00	104.98	15.00	164.40	0.3815E-07	0.34283E-03
75.00	104.98	30.00	148.83	0.3606E-07	0.13479E-02
75.00	104.98	45.00	133.36	0.3277E-07	0.29468E-02
75.00	104.98	60.00	118.00	0.2855E-07	0.50306E-02
75.00	104.98	75.00	102.78	0.2373E-07	0.74571E-02
75.00	104.98	88.87	88.84	0.1904E-07	0.98619E-02
90.00	89.98	15.00	164.40	0.4088E-07	0.34283E-03
90.00	89.98	30.00	148.83	0.3864E-07	0.13479E-02
90.00	89.98	45.00	133.36	0.3512E-07	0.29468E-02
90.00	89.98	60.00	118.00	0.3060E-07	0.50306E-02
90.00	89.98	75.00	102.78	0.2543E-07	0.74571E-02
90.00	89.98	88.87	88.84	0.2041E-07	0.98619E-02
91.13	88.84	15.00	164.40	0.4088E-07	0.34283E-03
91.13	88.84	30.00	148.83	0.3864E-07	0.13479E-02
91.13	88.84	45.00	133.36	0.3512E-07	0.29468E-02
91.13	88.84	60.00	118.00	0.3060E-07	0.50306E-02
91.13	88.84	75.00	102.78	0.2543E-07	0.74571E-02
91.13	88.84	88.87	88.84	0.2041E-07	0.98619E-02

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(a) Concluded. Radius ratio, r_2/r_1, 0.01

r_2/r_1 = 0.01 d/r_1 = 100.000 cosh μ_1 = 50.0050 cosh μ_2 = 4999.4999

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	165.00	15.00	164.70	0.6715E-09	0.85655E-04
15.00	165.00	30.00	149.42	0.6361E-09	0.33678E-03
15.00	165.00	45.00	134.18	0.5800E-09	0.73627E-03
15.00	165.00	60.00	119.00	0.5075E-09	0.12569E-02
15.00	165.00	75.00	103.89	0.4239E-09	0.18632E-02
15.00	165.00	89.43	89.42	0.3384E-09	0.24889E-02
30.00	149.99	15.00	164.70	0.2506E-08	0.85655E-04
30.00	149.99	30.00	149.42	0.2374E-08	0.33678E-03
30.00	149.99	45.00	134.18	0.2165E-08	0.73627E-03
30.00	149.99	60.00	119.00	0.1894E-08	0.12569E-02
30.00	149.99	75.00	103.89	0.1582E-08	0.18632E-02
30.00	149.99	89.43	89.42	0.1263E-08	0.24889E-02
45.00	134.99	15.00	164.70	0.5012E-08	0.85655E-04
45.00	134.99	30.00	149.42	0.4747E-08	0.33678E-03
45.00	134.99	45.00	134.18	0.4329E-08	0.73627E-03
45.00	134.99	60.00	119.00	0.3788E-08	0.12569E-02
45.00	134.99	75.00	103.89	0.3164E-08	0.18632E-02
45.00	134.99	89.43	89.42	0.2525E-08	0.24889E-02
60.00	119.99	15.00	164.70	0.7517E-08	0.85655E-04
60.00	119.99	30.00	149.42	0.7121E-08	0.33678E-03
60.00	119.99	45.00	134.18	0.6493E-08	0.73627E-03
60.00	119.99	60.00	119.00	0.5682E-08	0.12569E-02
60.00	119.99	75.00	103.89	0.4745E-08	0.18632E-02
60.00	119.99	89.43	89.42	0.3788E-08	0.24889E-02
75.00	104.99	15.00	164.70	0.9351E-08	0.85655E-04
75.00	104.99	30.00	149.42	0.8858E-08	0.33678E-03
75.00	104.99	45.00	134.18	0.8078E-08	0.73627E-03
75.00	104.99	60.00	119.00	0.7068E-08	0.12569E-02
75.00	104.99	75.00	103.89	0.5903E-08	0.18632E-02
75.00	104.99	89.43	89.42	0.4712E-08	0.24889E-02
90.00	89.99	15.00	164.70	0.1002E-07	0.85655E-04
90.00	89.99	30.00	149.42	0.9494E-08	0.33678E-03
90.00	89.99	45.00	134.18	0.8657E-08	0.73627E-03
90.00	89.99	60.00	119.00	0.7575E-08	0.12569E-02
90.00	89.99	75.00	103.89	0.6326E-08	0.18632E-02
90.00	89.99	89.43	89.42	0.5050E-08	0.24889E-02
90.57	89.42	15.00	164.70	0.1002E-07	0.85655E-04
90.57	89.42	30.00	149.42	0.9494E-08	0.33678E-03
90.57	89.42	45.00	134.18	0.8657E-08	0.73627E-03
90.57	89.42	60.00	119.00	0.7575E-08	0.12569E-02
90.57	89.42	75.00	103.89	0.6326E-08	0.18632E-02
90.57	89.42	89.43	89.42	0.5050E-08	0.24889E-02

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(b) Radius ratio, r_2/r_1, 0.10

$r_2/r_1 = 0.10$ $d/r_1 = 1.101$ $\cosh \mu_1 = 1.0001$ $\cosh \mu_2 = 1.0091$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	54.12	15.00	5.87	0.9774E-02	0.11728E 04
15.00	54.12	30.00	2.89	0.2486E-02	0.46115E 04
15.00	54.12	35.17	2.44	0.1824E-02	0.62838E 04
30.00	28.18	15.00	5.87	0.3622E-01	0.11728E 04
30.00	28.18	30.00	2.89	0.9213E-02	0.46115E 04
30.00	28.18	35.17	2.44	0.6761E-02	0.62838E 04
45.00	18.44	15.00	5.87	0.7195E-01	0.11728E 04
45.00	18.44	30.00	2.89	0.1831E-01	0.46115E 04
45.00	18.44	35.17	2.44	0.1343E-01	0.62838E 04
60.00	13.29	15.00	5.87	0.1071E 00	0.11728E 04
60.00	13.29	30.00	2.89	0.2747E-01	0.46115E 04
60.00	13.29	35.17	2.44	0.2016E-01	0.62838E 04
75.00	10.02	15.00	5.87	0.1345E 00	0.11728E 04
75.00	10.02	30.00	2.89	0.3517E-01	0.46115E 04
75.00	10.02	35.17	2.44	0.2581E-01	0.62838E 04
90.00	7.70	15.00	5.87	0.1499E 00	0.11728E 04
90.00	7.70	30.00	2.89	0.4033E-01	0.46115E 04
90.00	7.70	35.17	2.44	0.2959E-01	0.62838E 04
105.00	5.91	15.00	5.87	0.1558E 00	0.11728E 04
105.00	5.91	30.00	2.89	0.4301E-01	0.46115E 04
105.00	5.91	35.17	2.44	0.3157E-01	0.62838E 04
120.00	4.45	15.00	5.87	0.1573E 00	0.11728E 04
120.00	4.45	30.00	2.89	0.4407E-01	0.46115E 04
120.00	4.45	35.17	2.44	0.3235E-01	0.62838E 04
135.00	3.19	15.00	5.87	0.1575E 00	0.11728E 04
135.00	3.19	30.00	2.89	0.4432E-01	0.46115E 04
135.00	3.19	35.17	2.44	0.3255E-01	0.62838E 04
144.83	2.44	15.00	5.87	0.1575E 00	0.11728E 04
144.83	2.44	30.00	2.89	0.4433E-01	0.46115E 04
144.83	2.44	35.17	2.44	0.3255E-01	0.62838E 04

$r_2/r_1 = 0.10$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2475$ $\cosh \mu_2 = 7.5250$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	162.88	15.00	136.72	0.6957E-03	0.38488E 00
15.00	162.88	30.00	102.16	0.4711E-03	0.15133E 01
15.00	162.88	45.00	77.40	0.2960E-03	0.33084E 01
15.00	162.88	60.00	59.78	0.1849E-03	0.56477E 01
15.00	162.88	63.26	56.63	0.1681E-03	0.62125E 01
30.00	145.94	15.00	136.72	0.2541E-02	0.38488E 00
30.00	145.94	30.00	102.16	0.1729E-02	0.15133E 01
30.00	145.94	45.00	77.40	0.1090E-02	0.33084E 01
30.00	145.94	60.00	59.78	0.6814E-03	0.56477E 01
30.00	145.94	63.26	56.63	0.6194E-03	0.62125E 01
45.00	129.33	15.00	136.72	0.4916E-02	0.38488E 00
45.00	129.33	30.00	102.16	0.3369E-02	0.15133E 01
45.00	129.33	45.00	77.40	0.2137E-02	0.33084E 01
45.00	129.33	60.00	59.78	0.1342E-02	0.56477E 01
45.00	129.33	63.26	56.63	0.1220E-02	0.62125E 01
60.00	113.16	15.00	136.72	0.7072E-02	0.38488E 00
60.00	113.16	30.00	102.16	0.4889E-02	0.15133E 01
60.00	113.16	45.00	77.40	0.3122E-02	0.33084E 01
60.00	113.16	60.00	59.78	0.1969E-02	0.56477E 01
60.00	113.16	63.26	56.63	0.1791E-02	0.62125E 01
75.00	97.49	15.00	136.72	0.8398E-02	0.38488E 00
75.00	97.49	30.00	102.16	0.5878E-02	0.15133E 01
75.00	97.49	45.00	77.40	0.3793E-02	0.33084E 01
75.00	97.49	60.00	59.78	0.2406E-02	0.56477E 01
75.00	97.49	63.26	56.63	0.2187E-02	0.62125E 01
90.00	82.36	15.00	136.72	0.8769E-02	0.38488E 00
90.00	82.36	30.00	102.16	0.6278E-02	0.15133E 01
90.00	82.36	45.00	77.40	0.4106E-02	0.33084E 01
90.00	82.36	60.00	59.78	0.2619E-02	0.56477E 01
90.00	82.36	63.26	56.63	0.2381E-02	0.62125E 01
105.00	67.75	15.00	136.72	0.8782E-02	0.38488E 00
105.00	67.75	30.00	102.16	0.6344E-02	0.15133E 01
105.00	67.75	45.00	77.40	0.4184E-02	0.33084E 01
105.00	67.75	60.00	59.78	0.2677E-02	0.56477E 01
105.00	67.75	63.26	56.63	0.2435E-02	0.62125E 01
116.74	56.63	15.00	136.72	0.8782E-02	0.38488E 00
116.74	56.63	30.00	102.16	0.6344E-02	0.15133E 01
116.74	56.63	45.00	77.40	0.4187E-02	0.33084E 01
116.74	56.63	60.00	59.78	0.2681E-02	0.56477E 01
116.74	56.63	63.26	56.63	0.2438E-02	0.62125E 01

$r_2/r_1 = 0.10$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6650$ $\cosh \mu_2 = 13.3500$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	163.85	15.00	150.47	0.1723E-03	0.12081E 00
15.00	163.85	30.00	123.58	0.1420E-03	0.47499E 00
15.00	163.85	45.00	100.67	0.1074E-03	0.10384E 01
15.00	163.85	60.00	81.73	0.7697E-04	0.17727E 01
15.00	163.85	72.54	68.49	0.5675E-04	0.24818E 01
30.00	147.78	15.00	150.47	0.6363E-03	0.12081E 00
30.00	147.78	30.00	123.58	0.5249E-03	0.47499E 00
30.00	147.78	45.00	100.67	0.3974E-03	0.10384E 01
30.00	147.78	60.00	81.73	0.2851E-03	0.17727E 01
30.00	147.78	72.54	68.49	0.2103E-03	0.24818E 01
45.00	131.88	15.00	150.47	0.1252E-02	0.12081E 00
45.00	131.88	30.00	123.58	0.1034E-02	0.47499E 00
45.00	131.88	45.00	100.67	0.7841E-03	0.10384E 01
45.00	131.88	60.00	81.73	0.5634E-03	0.17727E 01
45.00	131.88	72.54	68.49	0.4160E-03	0.24818E 01
60.00	116.21	15.00	150.47	0.1838E-02	0.12081E 00
60.00	116.21	30.00	123.58	0.1521E-02	0.47499E 00
60.00	116.21	45.00	100.67	0.1156E-02	0.10384E 01
60.00	116.21	60.00	81.73	0.8322E-03	0.17727E 01
60.00	116.21	72.54	68.49	0.6151E-03	0.24818E 01
75.00	100.81	15.00	150.47	0.2232E-02	0.12081E 00
75.00	100.81	30.00	123.58	0.1851E-02	0.47499E 00
75.00	100.81	45.00	100.67	0.1410E-02	0.10384E 01
75.00	100.81	60.00	81.73	0.1017E-02	0.17727E 01
75.00	100.81	72.54	68.49	0.7531E-03	0.24818E 01
90.00	85.70	15.00	150.47	0.2346E-02	0.12081E 00
90.00	85.70	30.00	123.58	0.1962E-02	0.47499E 00
90.00	85.70	45.00	100.67	0.1506E-02	0.10384E 01
90.00	85.70	60.00	81.73	0.1092E-02	0.17727E 01
90.00	85.70	72.54	68.49	0.8091E-03	0.24818E 01
105.00	70.89	15.00	150.47	0.2347E-02	0.12081E 00
105.00	70.89	30.00	123.58	0.1968E-02	0.47499E 00
105.00	70.89	45.00	100.67	0.1516E-02	0.10384E 01
105.00	70.89	60.00	81.73	0.1102E-02	0.17727E 01
105.00	70.89	72.54	68.49	0.8172E-03	0.24818E 01
107.46	68.49	15.00	150.47	0.2347E-02	0.12081E 00
107.46	68.49	30.00	123.58	0.1968E-02	0.47499E 00
107.46	68.49	45.00	100.67	0.1516E-02	0.10384E 01
107.46	68.49	60.00	81.73	0.1102E-02	0.17727E 01
107.46	68.49	72.54	68.49	0.8172E-03	0.24818E 01

$r_2/r_1 = 0.10$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5990$ $\cosh \mu_2 = 24.0100$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.37	15.00	157.65	0.4229E-04	0.37203E-01
15.00	164.37	30.00	136.20	0.3776E-04	0.14628E 00
15.00	164.37	45.00	116.28	0.3157E-04	0.31979E 00
15.00	164.37	60.00	98.20	0.2494E-04	0.54591E 00
15.00	164.37	75.00	81.96	0.1673E-04	0.80923E 00
15.00	164.37	79.63	77.29	0.1699E-04	0.89529E 00
30.00	148.78	15.00	157.65	0.1570E-03	0.37203E-01
30.00	148.78	30.00	136.20	0.1402E-03	0.14628E 00
30.00	148.78	45.00	116.28	0.1173E-03	0.31979E 00
30.00	148.78	60.00	98.20	0.9268E-04	0.54591E 00
30.00	148.78	75.00	81.96	0.6962E-04	0.80923E 00
30.00	148.78	79.63	77.29	0.6314E-04	0.89529E 00
45.00	133.29	15.00	157.65	0.3115E-03	0.37203E-01
45.00	133.29	30.00	136.20	0.2783E-03	0.14628E 00
45.00	133.29	45.00	116.28	0.2328E-03	0.31979E 00
45.00	133.29	60.00	98.20	0.1841E-03	0.54591E 00
45.00	133.29	75.00	81.96	0.1383E-03	0.80923E 00
45.00	133.29	79.63	77.29	0.1255E-03	0.89529E 00
60.00	117.91	15.00	157.65	0.4023E-03	0.37203E-01
60.00	117.91	30.00	136.20	0.4132E-03	0.14628E 00
60.00	117.91	45.00	116.28	0.3459E-03	0.31979E 00
60.00	117.91	60.00	98.20	0.2736E-03	0.54591E 00
60.00	117.91	75.00	81.96	0.2057E-03	0.80923E 00
60.00	117.91	79.63	77.29	0.1866E-03	0.89529E 00
75.00	102.68	15.00	157.65	0.5682E-03	0.37203E-01
75.00	102.68	30.00	136.20	0.5080E-03	0.14628E 00
75.00	102.68	45.00	116.28	0.4255E-03	0.31979E 00
75.00	102.68	60.00	98.20	0.3368E-03	0.54591E 00
75.00	102.68	75.00	81.96	0.2534E-03	0.80923E 00
75.00	102.68	79.63	77.29	0.2299E-03	0.89529E 00
90.00	87.61	15.00	157.65	0.6021E-03	0.37203E-01
90.00	87.61	30.00	136.20	0.5396E-03	0.14628E 00
90.00	87.61	45.00	116.28	0.4530E-03	0.31979E 00
90.00	87.61	60.00	98.20	0.3593E-03	0.54591E 00
90.00	87.61	75.00	81.96	0.2706E-03	0.80923E 00
90.00	87.61	79.63	77.29	0.2455E-03	0.89529E 00
100.37	77.29	15.00	157.65	0.6022E-03	0.37203E-01
100.37	77.29	30.00	136.20	0.5400E-03	0.14628E 00
100.37	77.29	45.00	116.28	0.4539E-03	0.31979E 00
100.37	77.29	60.00	98.20	0.3604E-03	0.54591E 00
100.37	77.29	75.00	81.96	0.2716E-03	0.80923E 00
100.37	77.29	79.63	77.29	0.2464E-03	0.89529E 00

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(b) Continued. Radius ratio, r_2/r_1, 0.10

r_2/r_1 = 0.10 d/r_1 = 7.000 cosh μ_1 = 3.5707 cosh μ_2 = 34.2929

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.56	15.00	160.09	0.1864E-04	0.18221E-01
15.00	164.56	30.00	140.68	0.1703E-04	0.71641E-01
15.00	164.56	45.00	122.17	0.1470E-04	0.15662E 00
15.00	164.56	60.00	104.82	0.1203E-04	0.26737E 00
15.00	164.56	75.00	88.69	0.9352E-05	0.39634E 00
15.00	164.56	82.61	80.96	0.8066E-05	0.46599E 00
30.00	149.15	15.00	160.09	0.6934E-04	0.18221E-01
30.00	149.15	30.00	140.68	0.6334E-04	0.71641E-01
30.00	149.15	45.00	122.17	0.5469E-04	0.15662E 00
30.00	149.15	60.00	104.82	0.4477E-04	0.26737E 00
30.00	149.15	75.00	88.69	0.3480E-04	0.39634E 00
30.00	149.15	82.61	80.96	0.3001E-04	0.46599E 00
45.00	133.81	15.00	160.09	0.1379E-03	0.18221E-01
45.00	133.81	30.00	140.68	0.1260E-03	0.71641E-01
45.00	133.81	45.00	122.17	0.1088E-03	0.15662E 00
45.00	133.81	60.00	104.82	0.8909E-04	0.26737E 00
45.00	133.81	75.00	88.69	0.6927E-04	0.39634E 00
45.00	133.81	82.61	80.96	0.5975E-04	0.46599E 00
60.00	118.54	15.00	160.09	0.2054E-03	0.18221E-01
60.00	118.54	30.00	140.68	0.1877E-03	0.71641E-01
60.00	118.54	45.00	122.17	0.1621E-03	0.15662E 00
60.00	118.54	60.00	104.82	0.1328E-03	0.26737E 00
60.00	118.54	75.00	88.69	0.1033E-03	0.39634E 00
60.00	118.54	82.61	80.96	0.8909E-04	0.46599E 00
75.00	103.38	15.00	160.09	0.2535E-03	0.18221E-01
75.00	103.38	30.00	140.68	0.2317E-03	0.71641E-01
75.00	103.38	45.00	122.17	0.2002E-03	0.15662E 00
75.00	103.38	60.00	104.82	0.1640E-03	0.26737E 00
75.00	103.38	75.00	88.69	0.1276E-03	0.39634E 00
75.00	103.38	82.61	80.96	0.1101E-03	0.46599E 00
90.00	88.33	15.00	160.09	0.2696E-03	0.18221E-01
90.00	88.33	30.00	140.68	0.2466E-03	0.71641E-01
90.00	88.33	45.00	122.17	0.2133E-03	0.15662E 00
90.00	88.33	60.00	104.82	0.1749E-03	0.26737E 00
90.00	88.33	75.00	88.69	0.1362E-03	0.39634E 00
90.00	88.33	82.61	80.96	0.1175E-03	0.46599E 00
97.39	80.96	15.00	160.09	0.2696E-03	0.18221E-01
97.39	80.96	30.00	140.68	0.2467E-03	0.71641E-01
97.39	80.96	45.00	122.17	0.2135E-03	0.15662E 00
97.39	80.96	60.00	104.82	0.1752E-03	0.26737E 00
97.39	80.96	75.00	88.69	0.1364E-03	0.39634E 00
97.39	80.96	82.61	80.96	0.1177E-03	0.46599E 00

r_2/r_1 = 0.10 d/r_1 = 10.000 cosh μ_1 = 5.0495 cosh μ_2 = 49.5050

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.70	15.00	161.72	0.8236E-05	0.87395E-02
15.00	164.70	30.00	143.73	0.7629E-05	0.34362E-01
15.00	164.70	45.00	126.30	0.6721E-05	0.75122E-01
15.00	164.70	60.00	109.58	0.5634E-05	0.12824E 00
15.00	164.70	75.00	93.67	0.4488E-05	0.19010E 00
15.00	164.70	84.84	83.68	0.3753E-05	0.23340E 00
30.00	149.42	15.00	161.72	0.3067E-04	0.87395E-02
30.00	149.42	30.00	143.73	0.2841E-04	0.34362E-01
30.00	149.42	45.00	126.30	0.2503E-04	0.75122E-01
30.00	149.42	60.00	109.58	0.2098E-04	0.12824E 00
30.00	149.42	75.00	93.67	0.1671E-04	0.19010E 00
30.00	149.42	84.84	83.68	0.1398E-04	0.23340E 00
45.00	134.18	15.00	161.72	0.6112E-04	0.87395E-02
45.00	134.18	30.00	143.73	0.5662E-04	0.34362E-01
45.00	134.18	45.00	126.30	0.4988E-04	0.75122E-01
45.00	134.18	60.00	109.58	0.4182E-04	0.12824E 00
45.00	134.18	75.00	93.67	0.3332E-04	0.19010E 00
45.00	134.18	84.84	83.68	0.2787E-04	0.23340E 00
60.00	118.99	15.00	161.72	0.9125E-04	0.87395E-02
60.00	118.99	30.00	143.73	0.8454E-04	0.34362E-01
60.00	118.99	45.00	126.30	0.7449E-04	0.75122E-01
60.00	118.99	60.00	109.58	0.6246E-04	0.12824E 00
60.00	118.99	75.00	93.67	0.4976E-04	0.19010E 00
60.00	118.99	84.84	83.68	0.4163E-04	0.23340E 00
75.00	103.88	15.00	161.72	0.1129E-03	0.87395E-02
75.00	103.88	30.00	143.73	0.1046E-03	0.34362E-01
75.00	103.88	45.00	126.30	0.9219E-04	0.75122E-01
75.00	103.88	60.00	109.58	0.7731E-04	0.12824E 00
75.00	103.88	75.00	93.67	0.6160E-04	0.19010E 00
75.00	103.88	84.84	83.68	0.5154E-04	0.23340E 00
90.00	88.84	15.00	161.72	0.1204E-03	0.87395E-02
90.00	88.84	30.00	143.73	0.1116E-03	0.34362E-01
90.00	88.84	45.00	126.30	0.9837E-04	0.75122E-01
90.00	88.84	60.00	109.58	0.8253E-04	0.12824E 00
90.00	88.84	75.00	93.67	0.6579E-04	0.19010E 00
90.00	88.84	84.84	83.68	0.5505E-04	0.23340E 00
95.16	83.68	15.00	161.72	0.1204E-03	0.87395E-02
95.16	83.68	30.00	143.73	0.1116E-03	0.34362E-01
95.16	83.68	45.00	126.30	0.9841E-04	0.75122E-01
95.16	83.68	60.00	109.58	0.8259E-04	0.12824E 00
95.16	83.68	75.00	93.67	0.6584E-04	0.19010E 00
95.16	83.68	84.84	83.68	0.5509E-04	0.23340E 00

r_2/r_1 = 0.10 d/r_1 = 20.000 cosh μ_1 = 10.0247 cosh μ_2 = 99.7525

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.85	15.00	163.44	0.1836E-05	0.21518E-02
15.00	164.85	30.00	147.01	0.1723E-05	0.84605E-02
15.00	164.85	45.00	130.80	0.1550E-05	0.18496E-01
15.00	164.85	60.00	114.91	0.1332E-05	0.31575E-01
15.00	164.85	75.00	99.40	0.1090E-05	0.46806E-01
15.00	164.85	87.42	86.85	0.8859E-06	0.60309E-01
30.00	149.71	15.00	163.44	0.6844E-05	0.21518E-02
30.00	149.71	30.00	147.01	0.6425E-05	0.84605E-02
30.00	149.71	45.00	130.80	0.5777E-05	0.18496E-01
30.00	149.71	60.00	114.91	0.4965E-05	0.31575E-01
30.00	149.71	75.00	99.40	0.4063E-05	0.46806E-01
30.00	149.71	87.42	86.85	0.3301E-05	0.60309E-01
45.00	134.59	15.00	163.44	0.1366E-04	0.21518E-02
45.00	134.59	30.00	147.01	0.1283E-04	0.84605E-02
45.00	134.59	45.00	130.80	0.1153E-04	0.18496E-01
45.00	134.59	60.00	114.91	0.9914E-05	0.31575E-01
45.00	134.59	75.00	99.40	0.8114E-05	0.46806E-01
45.00	134.59	87.42	86.85	0.6592E-05	0.60309E-01
60.00	119.50	15.00	163.44	0.2045E-04	0.21518E-02
60.00	119.50	30.00	147.01	0.1920E-04	0.84605E-02
60.00	119.50	45.00	130.80	0.1726E-04	0.18496E-01
60.00	119.50	60.00	114.91	0.1484E-04	0.31575E-01
60.00	119.50	75.00	99.40	0.1215E-04	0.46806E-01
60.00	119.50	87.42	86.85	0.9867E-05	0.60309E-01
75.00	104.44	15.00	163.44	0.2538E-04	0.21518E-02
75.00	104.44	30.00	147.01	0.2382E-04	0.84605E-02
75.00	104.44	45.00	130.80	0.2142E-04	0.18496E-01
75.00	104.44	60.00	114.91	0.1841E-04	0.31575E-01
75.00	104.44	75.00	99.40	0.1507E-04	0.46806E-01
75.00	104.44	87.42	86.85	0.1225E-04	0.60309E-01
90.00	89.43	15.00	163.44	0.2713E-04	0.21518E-02
90.00	89.43	30.00	147.01	0.2547E-04	0.84605E-02
90.00	89.43	45.00	130.80	0.2291E-04	0.18496E-01
90.00	89.43	60.00	114.91	0.1969E-04	0.31575E-01
90.00	89.43	75.00	99.40	0.1612E-04	0.46806E-01
90.00	89.43	87.42	86.85	0.1310E-04	0.60309E-01
92.58	86.85	15.00	163.44	0.2713E-04	0.21518E-02
92.58	86.85	30.00	147.01	0.2547E-04	0.84605E-02
92.58	86.85	45.00	130.80	0.2291E-04	0.18496E-01
92.58	86.85	60.00	114.91	0.1969E-04	0.31575E-01
92.58	86.85	75.00	99.40	0.1612E-04	0.46806E-01
92.58	86.85	87.42	86.85	0.1310E-04	0.60309E-01

r_2/r_1 = 0.10 d/r_1 = 50.000 cosh μ_1 = 25.0099 cosh μ_2 = 249.9010

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.94	15.00	164.40	0.2749E-06	0.34283E-03
15.00	164.94	30.00	148.83	0.2599E-06	0.13480E-02
15.00	164.94	45.00	133.36	0.2362E-06	0.29469E-02
15.00	164.94	60.00	118.00	0.2058E-06	0.50306E-02
15.00	164.94	75.00	102.78	0.1710E-06	0.74572E-02
15.00	164.94	88.97	88.74	0.1370E-06	0.98801E-02
30.00	149.89	15.00	164.40	0.1026E-05	0.34283E-03
30.00	149.89	30.00	148.83	0.9695E-06	0.13480E-02
30.00	149.89	45.00	133.36	0.8811E-06	0.29469E-02
30.00	149.89	60.00	118.00	0.7677E-06	0.50306E-02
30.00	149.89	75.00	102.78	0.6380E-06	0.74572E-02
30.00	149.89	88.97	88.74	0.5110E-06	0.98801E-02
45.00	134.84	15.00	164.40	0.2050E-05	0.34283E-03
45.00	134.84	30.00	148.83	0.1938E-05	0.13480E-02
45.00	134.84	45.00	133.36	0.1761E-05	0.29469E-02
45.00	134.84	60.00	118.00	0.1534E-05	0.50306E-02
45.00	134.84	75.00	102.78	0.1275E-05	0.74572E-02
45.00	134.84	88.97	88.74	0.1021E-05	0.98801E-02
60.00	119.80	15.00	164.40	0.3072E-05	0.34283E-03
60.00	119.80	30.00	148.83	0.2904E-05	0.13480E-02
60.00	119.80	45.00	133.36	0.2639E-05	0.29469E-02
60.00	119.80	60.00	118.00	0.2300E-05	0.50306E-02
60.00	119.80	75.00	102.78	0.1911E-05	0.74572E-02
60.00	119.80	88.97	88.74	0.1531E-05	0.98801E-02
75.00	104.78	15.00	164.40	0.3818E-05	0.34283E-03
75.00	104.78	30.00	148.83	0.3609E-05	0.13480E-02
75.00	104.78	45.00	133.36	0.3280E-05	0.29469E-02
75.00	104.78	60.00	118.00	0.2858E-05	0.50306E-02
75.00	104.78	75.00	102.78	0.2375E-05	0.74572E-02
75.00	104.78	88.97	88.74	0.1902E-05	0.98801E-02
90.00	89.77	15.00	164.40	0.4088E-05	0.34283E-03
90.00	89.77	30.00	148.83	0.3864E-05	0.13480E-02
90.00	89.77	45.00	133.36	0.3512E-05	0.29469E-02
90.00	89.77	60.00	118.00	0.3060E-05	0.50306E-02
90.00	89.77	75.00	102.78	0.2543E-05	0.74572E-02
90.00	89.77	88.97	88.74	0.2037E-05	0.98801E-02
91.03	88.74	15.00	164.40	0.4088E-05	0.34283E-03
91.03	88.74	30.00	148.83	0.3864E-05	0.13480E-02
91.03	88.74	45.00	133.36	0.3512E-05	0.29469E-02
91.03	88.74	60.00	118.00	0.3060E-05	0.50306E-02
91.03	88.74	75.00	102.78	0.2543E-05	0.74572E-02
91.03	88.74	88.97	88.74	0.2037E-05	0.98801E-02

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(b) Concluded. Radius ratio, r_2/r_1, 0.10

$r_2/r_1 = 0.10$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0049$ $\cosh \mu_2 = 499.9505$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.97	15.00	164.70	0.6727E-07	0.85655E-04
15.00	164.97	30.00	149.42	0.6372E-07	0.33678E-03
15.00	164.97	45.00	134.18	0.5810E-07	0.73627E-03
15.00	164.97	60.00	119.00	0.5084E-07	0.12569E-02
15.00	164.97	75.00	103.89	0.4246E-07	0.18632E-02
15.00	164.97	89.48	89.37	0.3386E-07	0.24912E-02
30.00	149.94	15.00	164.70	0.2510E-06	0.85655E-04
30.00	149.94	30.00	149.42	0.2378E-06	0.33678E-03
30.00	149.94	45.00	134.18	0.2168E-06	0.73627E-03
30.00	149.94	60.00	119.00	0.1897E-06	0.12569E-02
30.00	149.94	75.00	103.89	0.1584E-06	0.18632E-02
30.00	149.94	89.48	89.37	0.1264E-06	0.24912E-02
45.00	134.92	15.00	164.70	0.5018E-06	0.85655E-04
45.00	134.92	30.00	149.42	0.4754E-06	0.33678E-03
45.00	134.92	45.00	134.18	0.4335E-06	0.73627E-03
45.00	134.92	60.00	119.00	0.3793E-06	0.12569E-02
45.00	134.92	75.00	103.89	0.3168E-06	0.18632E-02
45.00	134.92	89.48	89.37	0.2526E-06	0.24912E-02
60.00	119.90	15.00	164.70	0.7524E-06	0.85655E-04
60.00	119.90	30.00	149.42	0.7127E-06	0.33678E-03
60.00	119.90	45.00	134.18	0.6499E-06	0.73627E-03
60.00	119.90	60.00	119.00	0.5687E-06	0.12569E-02
60.00	119.90	75.00	103.89	0.4749E-06	0.18632E-02
60.00	119.90	89.48	89.37	0.3788E-06	0.24912E-02
75.00	104.89	15.00	164.70	0.9356E-06	0.85655E-04
75.00	104.89	30.00	149.42	0.8862E-06	0.33678E-03
75.00	104.89	45.00	134.18	0.8081E-06	0.73627E-03
75.00	104.89	60.00	119.00	0.7071E-06	0.12569E-02
75.00	104.89	75.00	103.89	0.5905E-06	0.18632E-02
75.00	104.89	89.48	89.37	0.4710E-06	0.24912E-02
90.00	89.89	15.00	164.70	0.1002E-05	0.85655E-04
90.00	89.89	30.00	149.42	0.9494E-06	0.33678E-03
90.00	89.89	45.00	134.18	0.8657E-06	0.73627E-03
90.00	89.89	60.00	119.00	0.7575E-06	0.12569E-02
90.00	89.89	75.00	103.89	0.6326E-06	0.18632E-02
90.00	89.89	89.48	89.37	0.5046E-06	0.24912E-02
90.52	89.37	15.00	164.70	0.1002E-05	0.85655E-04
90.52	89.37	30.00	149.42	0.9494E-06	0.33678E-03
90.52	89.37	45.00	134.18	0.8657E-06	0.73627E-03
90.52	89.37	60.00	119.00	0.7575E-06	0.12569E-02
90.52	89.37	75.00	103.89	0.6326E-06	0.18632E-02
90.52	89.37	89.48	89.37	0.5046E-06	0.24912E-02

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(c) Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 1.201$ $\cosh \mu_1 = 1.0002$ $\cosh \mu_2 = 1.0042$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	38.20	15.00	7.94	0.3882E-01	0.64119E 03
15.00	38.20	30.00	3.91	0.9873E-02	0.25211E 04
15.00	38.20	45.00	2.53	0.4516E-02	0.55115E 04
15.00	38.20	48.23	2.34	0.3961E-02	0.62830E 04
30.00	19.31	15.00	7.94	0.1401E 00	0.64119E 03
30.00	19.31	30.00	3.91	0.3567E-01	0.25211E 04
30.00	19.31	45.00	2.53	0.1631E-01	0.55115E 04
30.00	19.31	48.23	2.34	0.1431E-01	0.62830E 04
45.00	12.56	15.00	7.94	0.2602E 00	0.64119E 03
45.00	12.56	30.00	3.91	0.6828E-01	0.25211E 04
45.00	12.56	45.00	2.53	0.3123E-01	0.55115E 04
45.00	12.56	48.23	2.34	0.2740E-01	0.62830E 04
60.00	9.03	15.00	7.94	0.3425E 00	0.64119E 03
60.00	9.03	30.00	3.91	0.9788E-01	0.25211E 04
60.00	9.03	45.00	2.53	0.4480E-01	0.55115E 04
60.00	9.03	48.23	2.34	0.3930E-01	0.62830E 04
75.00	6.80	15.00	7.94	0.3745E 00	0.64119E 03
75.00	6.80	30.00	3.91	0.1184E 00	0.25211E 04
75.00	6.80	45.00	2.53	0.5448E-01	0.55115E 04
75.00	6.80	48.23	2.34	0.4779E-01	0.62830E 04
90.00	5.22	15.00	7.94	0.3829E 00	0.64119E 03
90.00	5.22	30.00	3.91	0.1297E 00	0.25211E 04
90.00	5.22	45.00	2.53	0.6024E-01	0.55115E 04
90.00	5.22	48.23	2.34	0.5284E-01	0.62830E 04
105.00	4.01	15.00	7.94	0.3841E 00	0.64119E 03
105.00	4.01	30.00	3.91	0.1338E 00	0.25211E 04
105.00	4.01	45.00	2.53	0.6270E-01	0.55115E 04
105.00	4.01	48.23	2.34	0.5500E-01	0.62830E 04
120.00	3.02	15.00	7.94	0.3841E 00	0.64119E 03
120.00	3.02	30.00	3.91	0.1345E 00	0.25211E 04
120.00	3.02	45.00	2.53	0.6327E-01	0.55115E 04
120.00	3.02	48.23	2.34	0.5551E-01	0.62830E 04
131.77	2.34	15.00	7.94	0.3841E 00	0.64119E 03
131.77	2.34	30.00	3.91	0.1345E 00	0.25211E 04
131.77	2.34	45.00	2.53	0.6330E-01	0.55115E 04
131.77	2.34	48.23	2.34	0.5553E-01	0.62830E 04

$r_2/r_1 = 0.20$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2400$ $\cosh \mu_2 = 3.8000$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	160.44	15.00	136.18	0.3392E-02	0.39824E 00
15.00	160.44	30.00	101.39	0.2198E-02	0.15658E 01
15.00	160.44	45.00	76.63	0.1336E-02	0.34232E 01
15.00	160.44	60.00	59.10	0.8202E-03	0.58437E 01
15.00	160.44	66.42	53.13	0.6835E-03	0.70125E 01
30.00	141.34	15.00	136.18	0.1203E-01	0.39824E 00
30.00	141.34	30.00	101.39	0.7900E-02	0.15658E 01
30.00	141.34	45.00	76.63	0.4847E-02	0.34232E 01
30.00	141.34	60.00	59.10	0.2985E-02	0.58437E 01
30.00	141.34	66.42	53.13	0.2487E-02	0.70125E 01
45.00	123.06	15.00	136.18	0.2228E-01	0.39824E 00
45.00	123.06	30.00	101.39	0.1491E-01	0.15658E 01
45.00	123.06	45.00	76.63	0.9275E-02	0.34232E 01
45.00	123.06	60.00	59.10	0.5764E-02	0.58437E 01
45.00	123.06	66.42	53.13	0.4804E-02	0.70125E 01
60.00	105.83	15.00	136.18	0.3048E-01	0.39824E 00
60.00	105.83	30.00	101.39	0.2083E-01	0.15658E 01
60.00	105.83	45.00	76.63	0.1317E-01	0.34232E 01
60.00	105.83	60.00	59.10	0.8257E-02	0.58437E 01
60.00	105.83	66.42	53.13	0.6883E-02	0.70125E 01
75.00	89.73	15.00	136.18	0.3446E-01	0.39824E 00
75.00	89.73	30.00	101.39	0.2418E-01	0.15658E 01
75.00	89.73	45.00	76.63	0.1558E-01	0.34232E 01
75.00	89.73	60.00	59.10	0.9867E-02	0.58437E 01
75.00	89.73	66.42	53.13	0.8229E-02	0.70125E 01
90.00	74.74	15.00	136.18	0.3513E-01	0.39824E 00
90.00	74.74	30.00	101.39	0.2527E-01	0.15658E 01
90.00	74.74	45.00	76.63	0.1656E-01	0.34232E 01
90.00	74.74	60.00	59.10	0.1057E-01	0.58437E 01
90.00	74.74	66.42	53.13	0.8824E-02	0.70125E 01
105.00	60.75	15.00	136.18	0.3513E-01	0.39824E 00
105.00	60.75	30.00	101.39	0.2538E-01	0.15658E 01
105.00	60.75	45.00	76.63	0.1675E-01	0.34232E 01
105.00	60.75	60.00	59.10	0.1073E-01	0.58437E 01
105.00	60.75	66.42	53.13	0.8959E-02	0.70125E 01
113.58	53.13	15.00	136.18	0.3513E-01	0.39824E 00
113.58	53.13	30.00	101.39	0.2538E-01	0.15658E 01
113.58	53.13	45.00	76.63	0.1675E-01	0.34232E 01
113.58	53.13	60.00	59.10	0.1074E-01	0.58437E 01
113.58	53.13	66.42	53.13	0.8963E-02	0.70125E 01

$r_2/r_1 = 0.20$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6600$ $\cosh \mu_2 = 6.7000$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	162.60	15.00	150.39	0.7616E-03	0.12195E 00
15.00	162.60	30.00	123.45	0.6220E-03	0.47949E 00
15.00	162.60	45.00	100.51	0.4657E-03	0.10482E 01
15.00	162.60	60.00	81.57	0.3309E-03	0.17895E 01
15.00	162.60	74.53	66.42	0.2319E-03	0.26246E 01
30.00	145.40	15.00	150.39	0.2777E-02	0.12195E 00
30.00	145.40	30.00	123.45	0.2273E-02	0.47949E 00
30.00	145.40	45.00	100.51	0.1706E-02	0.10482E 01
30.00	145.40	60.00	81.57	0.1215E-02	0.17895E 01
30.00	145.40	74.53	66.42	0.8526E-03	0.26246E 01
45.00	128.58	15.00	150.39	0.5359E-02	0.12195E 00
45.00	128.58	30.00	123.45	0.4402E-02	0.47949E 00
45.00	128.58	45.00	100.51	0.3317E-02	0.10482E 01
45.00	128.58	60.00	81.57	0.2369E-02	0.17895E 01
45.00	128.58	74.53	66.42	0.1666E-02	0.26246E 01
60.00	112.27	15.00	150.39	0.7685E-02	0.12195E 00
60.00	112.27	30.00	123.45	0.6339E-02	0.47949E 00
60.00	112.27	45.00	100.51	0.4799E-02	0.10482E 01
60.00	112.27	60.00	81.57	0.3442E-02	0.17895E 01
60.00	112.27	74.53	66.42	0.2426E-02	0.26246E 01
75.00	96.54	15.00	150.39	0.9096E-02	0.12195E 00
75.00	96.54	30.00	123.45	0.7536E-02	0.47949E 00
75.00	96.54	45.00	100.51	0.5736E-02	0.10482E 01
75.00	96.54	60.00	81.57	0.4134E-02	0.17895E 01
75.00	96.54	74.53	66.42	0.2921E-02	0.26246E 01
90.00	81.42	15.00	150.39	0.9389E-02	0.12195E 00
90.00	81.42	30.00	123.45	0.7863E-02	0.47949E 00
90.00	81.42	45.00	100.51	0.6042E-02	0.10482E 01
90.00	81.42	60.00	81.57	0.4381E-02	0.17895E 01
90.00	81.42	74.53	66.42	0.3103E-02	0.26246E 01
105.00	66.87	15.00	150.39	0.9389E-02	0.12195E 00
105.00	66.87	30.00	123.45	0.7873E-02	0.47949E 00
105.00	66.87	45.00	100.51	0.6065E-02	0.10482E 01
105.00	66.87	60.00	81.57	0.4407E-02	0.17895E 01
105.00	66.87	74.53	66.42	0.3123E-02	0.26246E 01
105.47	66.42	15.00	150.39	0.9389E-02	0.12195E 00
105.47	66.42	30.00	123.45	0.7873E-02	0.47949E 00
105.47	66.42	45.00	100.51	0.6065E-02	0.10482E 01
105.47	66.42	60.00	81.57	0.4407E-02	0.17895E 01
105.47	66.42	74.53	66.42	0.3123E-02	0.26246E 01

$r_2/r_1 = 0.20$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5960$ $\cosh \mu_2 = 12.0200$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	163.71	15.00	157.64	0.1777E-03	0.37304E-01
15.00	163.71	30.00	136.18	0.1584E-03	0.14667E 00
15.00	163.71	45.00	116.26	0.1321E-03	0.32065E 00
15.00	163.71	60.00	98.17	0.1041E-03	0.54739E 00
15.00	163.71	75.00	81.93	0.7801E-04	0.81143E 00
15.00	163.71	80.79	76.11	0.6903E-04	0.91962E 00
30.00	147.52	15.00	157.64	0.6560E-03	0.37304E-01
30.00	147.52	30.00	136.18	0.5851E-03	0.14667E 00
30.00	147.52	45.00	116.26	0.4883E-03	0.32065E 00
30.00	147.52	60.00	98.17	0.3850E-03	0.54739E 00
30.00	147.52	75.00	81.93	0.2886E-03	0.81143E 00
30.00	147.52	80.79	76.11	0.2554E-03	0.91962E 00
45.00	131.52	15.00	157.64	0.1290E-02	0.37304E-01
45.00	131.52	30.00	136.18	0.1151E-02	0.14667E 00
45.00	131.52	45.00	116.26	0.9615E-03	0.32065E 00
45.00	131.52	60.00	98.17	0.7589E-03	0.54739E 00
45.00	131.52	75.00	81.93	0.5693E-03	0.81143E 00
45.00	131.52	80.79	76.11	0.5040E-03	0.91962E 00
60.00	115.78	15.00	157.64	0.1893E-02	0.37304E-01
60.00	115.78	30.00	136.18	0.1691E-02	0.14667E 00
60.00	115.78	45.00	116.26	0.1414E-02	0.32065E 00
60.00	115.78	60.00	98.17	0.1117E-02	0.54739E 00
60.00	115.78	75.00	81.93	0.8391E-03	0.81143E 00
60.00	115.78	80.79	76.11	0.7430E-03	0.91962E 00
75.00	100.34	15.00	157.64	0.2298E-02	0.37304E-01
75.00	100.34	30.00	136.18	0.2054E-02	0.14667E 00
75.00	100.34	45.00	116.26	0.1720E-02	0.32065E 00
75.00	100.34	60.00	98.17	0.1361E-02	0.54739E 00
75.00	100.34	75.00	81.93	0.1023E-02	0.81143E 00
75.00	100.34	80.79	76.11	0.9062E-03	0.91962E 00
90.00	85.23	15.00	157.64	0.2409E-02	0.37304E-01
90.00	85.23	30.00	136.18	0.2159E-02	0.14667E 00
90.00	85.23	45.00	116.26	0.1814E-02	0.32065E 00
90.00	85.23	60.00	98.17	0.1439E-02	0.54739E 00
90.00	85.23	75.00	81.93	0.1084E-02	0.81143E 00
90.00	85.23	80.79	76.11	0.9602E-03	0.91962E 00
99.21	76.11	15.00	157.64	0.2409E-02	0.37304E-01
99.21	76.11	30.00	136.18	0.2160E-02	0.14667E 00
99.21	76.11	45.00	116.26	0.1816E-02	0.32065E 00
99.21	76.11	60.00	98.17	0.1442E-02	0.54739E 00
99.21	76.11	75.00	81.93	0.1086E-02	0.81143E 00
99.21	76.11	80.79	76.11	0.9625E-03	0.91962E 00

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(c) Continued. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5686$ $\cosh \mu_2 = 17.1571$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.11	15.00	160.08	0.7705E-04	0.18245E-01
15.00	164.11	30.00	140.67	0.7033E-04	0.71735E-01
15.00	164.11	45.00	122.17	0.6065E-04	0.15683E 00
15.00	164.11	60.00	104.81	0.4959E-04	0.26772E 00
15.00	164.11	75.00	88.68	0.3849E-04	0.39686E 00
15.00	164.11	83.44	80.13	0.3264E-04	0.47424E 00
30.00	148.29	15.00	160.08	0.2855E-03	0.18245E-01
30.00	148.29	30.00	140.67	0.2607E-03	0.71735E-01
30.00	148.29	45.00	122.17	0.2249E-03	0.15683E 00
30.00	148.29	60.00	104.81	0.1839E-03	0.26772E 00
30.00	148.29	75.00	88.68	0.1428E-03	0.39686E 00
30.00	148.29	83.44	80.13	0.1211E-03	0.47424E 00
45.00	132.59	15.00	160.08	0.5648E-03	0.18245E-01
45.00	132.59	30.00	140.67	0.5158E-03	0.71735E-01
45.00	132.59	45.00	122.17	0.4450E-03	0.15683E 00
45.00	132.59	60.00	104.81	0.3641E-03	0.26772E 00
45.00	132.59	75.00	88.68	0.2828E-03	0.39686E 00
45.00	132.59	83.44	80.13	0.2399E-03	0.47424E 00
60.00	117.06	15.00	160.08	0.8351E-03	0.18245E-01
60.00	117.06	30.00	140.67	0.7629E-03	0.71735E-01
60.00	117.06	45.00	122.17	0.6586E-03	0.15683E 00
60.00	117.06	60.00	104.81	0.5391E-03	0.26772E 00
60.00	117.06	75.00	88.68	0.4190E-03	0.39686E 00
60.00	117.06	83.44	80.13	0.3555E-03	0.47424E 00
75.00	101.75	15.00	160.08	0.1022E-02	0.18245E-01
75.00	101.75	30.00	140.67	0.9340E-03	0.71735E-01
75.00	101.75	45.00	122.17	0.8067E-03	0.15683E 00
75.00	101.75	60.00	104.81	0.6607E-03	0.26772E 00
75.00	101.75	75.00	88.68	0.5138E-03	0.39686E 00
75.00	101.75	83.44	80.13	0.4361E-03	0.47424E 00
90.00	86.66	15.00	160.08	0.1078E-02	0.18245E-01
90.00	86.66	30.00	140.67	0.9868E-03	0.71735E-01
90.00	86.66	45.00	122.17	0.8537E-03	0.15683E 00
90.00	86.66	60.00	104.81	0.7001E-03	0.26772E 00
90.00	86.66	75.00	88.68	0.5450E-03	0.39686E 00
90.00	86.66	83.44	80.13	0.4627E-03	0.47424E 00
94.56	80.13	15.00	160.08	0.1078E-02	0.18245E-01
94.56	80.13	30.00	140.67	0.9870E-03	0.71735E-01
94.56	80.13	45.00	122.17	0.8541E-03	0.15683E 00
94.56	80.13	60.00	104.81	0.7007E-03	0.26772E 00
94.56	80.13	75.00	88.68	0.5456E-03	0.39686E 00
94.56	80.13	83.44	80.13	0.4633E-03	0.47424E 00

$r_2/r_1 = 0.20$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0480$ $\cosh \mu_2 = 24.7600$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.39	15.00	161.72	0.3367E-04	0.87449E-02
15.00	164.39	30.00	143.73	0.3118E-04	0.34384E-01
15.00	164.39	45.00	126.29	0.2745E-04	0.75169E-01
15.00	164.39	60.00	109.58	0.2300E-04	0.12832E 00
15.00	164.39	75.00	93.67	0.1831E-04	0.19022E 00
15.00	164.39	85.41	83.11	0.1514E-04	0.23611E 00
30.00	148.82	15.00	161.72	0.1251E-03	0.87449E-02
30.00	148.82	30.00	143.73	0.1158E-03	0.34384E-01
30.00	148.82	45.00	126.29	0.1020E-03	0.75169E-01
30.00	148.82	60.00	109.58	0.8547E-04	0.12832E 00
30.00	148.82	75.00	93.67	0.6805E-04	0.19022E 00
30.00	148.82	85.41	83.11	0.5629E-04	0.23611E 00
45.00	133.34	15.00	161.72	0.2483E-03	0.87449E-02
45.00	133.34	30.00	143.73	0.2300E-03	0.34384E-01
45.00	133.34	45.00	126.29	0.2026E-03	0.75169E-01
45.00	133.34	60.00	109.58	0.1698E-03	0.12832E 00
45.00	133.34	75.00	93.67	0.1352E-03	0.19022E 00
45.00	133.34	85.41	83.11	0.1118E-03	0.23611E 00
60.00	117.97	15.00	161.72	0.3690E-03	0.87449E-02
60.00	117.97	30.00	143.73	0.3418E-03	0.34384E-01
60.00	117.97	45.00	126.29	0.3011E-03	0.75169E-01
60.00	117.97	60.00	109.58	0.2524E-03	0.12832E 00
60.00	117.97	75.00	93.67	0.2011E-03	0.19022E 00
60.00	117.97	85.41	83.11	0.1663E-03	0.23611E 00
75.00	102.75	15.00	161.72	0.4541E-03	0.87449E-02
75.00	102.75	30.00	143.73	0.4207E-03	0.34384E-01
75.00	102.75	45.00	126.29	0.3707E-03	0.75169E-01
75.00	102.75	60.00	109.58	0.3108E-03	0.12832E 00
75.00	102.75	75.00	93.67	0.2476E-03	0.19022E 00
75.00	102.75	85.41	83.11	0.2049E-03	0.23611E 00
90.00	87.69	15.00	161.72	0.4815E-03	0.87449E-02
90.00	87.69	30.00	143.73	0.4463E-03	0.34384E-01
90.00	87.69	45.00	126.29	0.3936E-03	0.75169E-01
90.00	87.69	60.00	109.58	0.3302E-03	0.12832E 00
90.00	87.69	75.00	93.67	0.2632E-03	0.19022E 00
90.00	87.69	85.41	83.11	0.2179E-03	0.23611E 00
94.59	83.11	15.00	161.72	0.4815E-03	0.87449E-02
94.59	83.11	30.00	143.73	0.4463E-03	0.34384E-01
94.59	83.11	45.00	126.29	0.3936E-03	0.75169E-01
94.59	83.11	60.00	109.58	0.3304E-03	0.12832E 00
94.59	83.11	75.00	93.67	0.2634E-03	0.19022E 00
94.59	83.11	85.41	83.11	0.2180E-03	0.23611E 00

$r_2/r_1 = 0.20$ $d/r_1 = 20.00$ $\cosh \mu_1 = 10.0240$ $\cosh \mu_2 = 49.8800$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.70	15.00	163.44	0.7418E-05	0.21521E-02
15.00	164.70	30.00	147.01	0.6964E-05	0.84618E-02
15.00	164.70	45.00	130.80	0.6261E-05	0.18499E-01
15.00	164.70	60.00	114.91	0.5380E-05	0.31580E-01
15.00	164.70	75.00	99.40	0.4403E-05	0.46813E-01
15.00	164.70	87.71	86.56	0.3558E-05	0.60634E-01
30.00	149.42	15.00	163.44	0.2763E-04	0.21521E-02
30.00	149.42	30.00	147.01	0.2593E-04	0.84618E-02
30.00	149.42	45.00	130.80	0.2332E-04	0.18499E-01
30.00	149.42	60.00	114.91	0.2004E-04	0.31580E-01
30.00	149.42	75.00	99.40	0.1640E-04	0.46813E-01
30.00	149.42	87.71	86.56	0.1325E-04	0.60634E-01
45.00	134.18	15.00	163.44	0.5506E-04	0.21521E-02
45.00	134.18	30.00	147.01	0.5169E-04	0.84618E-02
45.00	134.18	45.00	130.80	0.4648E-04	0.18499E-01
45.00	134.18	60.00	114.91	0.3994E-04	0.31580E-01
45.00	134.18	75.00	99.40	0.3269E-04	0.46813E-01
45.00	134.18	87.71	86.56	0.2642E-04	0.60634E-01
60.00	119.00	15.00	163.44	0.8223E-04	0.21521E-02
60.00	119.00	30.00	147.01	0.7720E-04	0.84618E-02
60.00	119.00	45.00	130.80	0.6941E-04	0.18499E-01
60.00	119.00	60.00	114.91	0.5966E-04	0.31580E-01
60.00	119.00	75.00	99.40	0.4882E-04	0.46813E-01
60.00	119.00	87.71	86.56	0.3946E-04	0.60634E-01
75.00	103.89	15.00	163.44	0.1018E-03	0.21521E-02
75.00	103.89	30.00	147.01	0.9855E-04	0.84618E-02
75.00	103.89	45.00	130.80	0.8592E-04	0.18499E-01
75.00	103.89	60.00	114.91	0.7385E-04	0.31580E-01
75.00	103.89	75.00	99.40	0.6044E-04	0.46813E-01
75.00	103.89	87.71	86.56	0.4886E-04	0.60634E-01
90.00	88.85	15.00	163.44	0.1085E-03	0.21521E-02
90.00	88.85	30.00	147.01	0.1019E-03	0.84618E-02
90.00	88.85	45.00	130.80	0.9163E-04	0.18499E-01
90.00	88.85	60.00	114.91	0.7877E-04	0.31580E-01
90.00	88.85	75.00	99.40	0.6448E-04	0.46813E-01
90.00	88.85	87.71	86.56	0.5212E-04	0.60634E-01
92.29	86.56	15.00	163.44	0.1085E-03	0.21521E-02
92.29	86.56	30.00	147.01	0.1019E-03	0.84618E-02
92.29	86.56	45.00	130.80	0.9163E-04	0.18499E-01
92.29	86.56	60.00	114.91	0.7878E-04	0.31580E-01
92.29	86.56	75.00	99.40	0.6449E-04	0.46813E-01
92.29	86.56	87.71	86.56	0.5213E-04	0.60634E-01

$r_2/r_1 = 0.20$ $d/r_1 = 50.00$ $\cosh \mu_1 = 25.0096$ $\cosh \mu_2 = 124.9520$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.88	15.00	164.40	0.1104E-05	0.34284E-03
15.00	164.88	30.00	148.83	0.1044E-05	0.13480E-02
15.00	164.88	45.00	133.36	0.9485E-06	0.29469E-02
15.00	164.88	60.00	118.00	0.8264E-06	0.50307E-02
15.00	164.88	75.00	102.77	0.6867E-06	0.74574E-02
15.00	164.88	89.08	88.62	0.5489E-06	0.99005E-02
30.00	149.77	15.00	164.40	0.4117E-05	0.34284E-03
30.00	149.77	30.00	148.83	0.3892E-05	0.13480E-02
30.00	149.77	45.00	133.36	0.3537E-05	0.29469E-02
30.00	149.77	60.00	118.00	0.3081E-05	0.50307E-02
30.00	149.77	75.00	102.77	0.2561E-05	0.74574E-02
30.00	149.77	89.08	88.62	0.2047E-05	0.99005E-02
45.00	134.67	15.00	164.40	0.8224E-05	0.34284E-03
45.00	134.67	30.00	148.83	0.7773E-05	0.13480E-02
45.00	134.67	45.00	133.36	0.7065E-05	0.29469E-02
45.00	134.67	60.00	118.00	0.6155E-05	0.50307E-02
45.00	134.67	75.00	102.77	0.5115E-05	0.74574E-02
45.00	134.67	89.08	88.62	0.4089E-05	0.99005E-02
60.00	119.60	15.00	164.40	0.1231E-04	0.34284E-03
60.00	119.60	30.00	148.83	0.1164E-04	0.13480E-02
60.00	119.60	45.00	133.36	0.1058E-04	0.29469E-02
60.00	119.60	60.00	118.00	0.9217E-05	0.50307E-02
60.00	119.60	75.00	102.77	0.7660E-05	0.74574E-02
60.00	119.60	89.08	88.62	0.6123E-05	0.99005E-02
75.00	104.56	15.00	164.40	0.1529E-04	0.34284E-03
75.00	104.56	30.00	148.83	0.1445E-04	0.13480E-02
75.00	104.56	45.00	133.36	0.1313E-04	0.29469E-02
75.00	104.56	60.00	118.00	0.1144E-04	0.50307E-02
75.00	104.56	75.00	102.77	0.9510E-05	0.74574E-02
75.00	104.56	89.08	88.62	0.7602E-05	0.99005E-02
90.00	89.54	15.00	164.40	0.1635E-04	0.34284E-03
90.00	89.54	30.00	148.83	0.1546E-04	0.13480E-02
90.00	89.54	45.00	133.36	0.1405E-04	0.29469E-02
90.00	89.54	60.00	118.00	0.1224E-04	0.50307E-02
90.00	89.54	75.00	102.77	0.1017E-04	0.74574E-02
90.00	89.54	89.08	88.62	0.8132E-05	0.99005E-02
92.92	88.62	15.00	164.40	0.1635E-04	0.34284E-03
92.92	88.62	30.00	148.83	0.1546E-04	0.13480E-02
92.92	88.62	45.00	133.36	0.1405E-04	0.29469E-02
92.92	88.62	60.00	118.00	0.1224E-04	0.50307E-02
92.92	88.62	75.00	102.77	0.1017E-04	0.74574E-02
92.92	88.62	89.08	88.62	0.8132E-05	0.99005E-02

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(c) Concluded. Radius ratio, r_2/r_1, 0.20

$r_2/r_1 = 0.20$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0048$ $\cosh \mu_2 = 249.9760$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.54	15.00	164.70	0.2696E-06	0.85657E-04
15.00	164.54	30.00	149.42	0.2554E-06	0.33679E-03
15.00	164.54	45.00	134.18	0.2329E-06	0.73627E-03
15.00	164.54	60.00	119.00	0.2038E-06	0.12569E-02
15.00	164.54	75.00	103.89	0.1702E-06	0.18632E-02
15.00	164.54	89.54	89.31	0.1356E-06	0.24937E-02
30.00	149.89	15.00	164.70	0.1006E-05	0.85657E-04
30.00	149.89	30.00	149.42	0.9527E-06	0.33679E-03
30.00	149.89	45.00	134.18	0.8687E-06	0.73627E-03
30.00	149.89	60.00	119.00	0.7601E-06	0.12569E-02
30.00	149.89	75.00	103.89	0.6348E-06	0.18632E-02
30.00	149.89	89.54	89.31	0.5058E-06	0.24937E-02
45.00	134.84	15.00	164.70	0.2010E-05	0.85657E-04
45.00	134.84	30.00	149.42	0.1904E-05	0.33679E-03
45.00	134.84	45.00	134.18	0.1736E-05	0.73627E-03
45.00	134.84	60.00	119.00	0.1519E-05	0.12569E-02
45.00	134.84	75.00	103.89	0.1269E-05	0.18632E-02
45.00	134.84	89.54	89.31	0.1011E-05	0.24937E-02
60.00	119.80	15.00	164.70	0.3013E-05	0.85657E-04
60.00	119.80	30.00	149.42	0.2854E-05	0.33679E-03
60.00	119.80	45.00	134.18	0.2602E-05	0.73627E-03
60.00	119.80	60.00	119.00	0.2277E-05	0.12569E-02
60.00	119.80	75.00	103.89	0.1902E-05	0.18632E-02
60.00	119.80	89.54	89.31	0.1515E-05	0.24937E-02
75.00	104.78	15.00	164.70	0.3744E-05	0.85657E-04
75.00	104.78	30.00	149.42	0.3547E-05	0.33679E-03
75.00	104.78	45.00	134.18	0.3234E-05	0.73627E-03
75.00	104.78	60.00	119.00	0.2830E-05	0.12569E-02
75.00	104.78	75.00	103.89	0.2363E-05	0.18632E-02
75.00	104.78	89.54	89.31	0.1883E-05	0.24937E-02
90.00	89.77	15.00	164.70	0.4009E-05	0.85657E-04
90.00	89.77	30.00	149.42	0.3797E-05	0.33679E-03
90.00	89.77	45.00	134.18	0.3463E-05	0.73627E-03
90.00	89.77	60.00	119.00	0.3030E-05	0.12569E-02
90.00	89.77	75.00	103.89	0.2531E-05	0.18632E-02
90.00	89.77	89.54	89.31	0.2016E-05	0.24937E-02
90.46	89.31	15.00	164.70	0.4009E-05	0.85657E-04
90.46	89.31	30.00	149.42	0.3797E-05	0.33679E-03
90.46	89.31	45.00	134.18	0.3463E-05	0.73627E-03
90.46	89.31	60.00	119.00	0.3030E-05	0.12569E-02
90.46	89.31	75.00	103.89	0.2531E-05	0.18632E-02
90.46	89.31	89.54	89.31	0.2016E-05	0.24937E-02

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(d) Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 1.301$ $\cosh \mu_1 = 1.0002$ $\cosh \mu_2 = 1.0026$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	30.41	15.00	9.33	0.8669E-01	0.46342E 03
15.00	30.41	30.00	4.59	0.2205E-01	0.18221E 04
15.00	30.41	45.00	2.97	0.1008E-01	0.39834E 04
15.00	30.41	57.45	2.25	0.6394E-02	0.62827E 04
30.00	15.21	15.00	9.33	0.2974E 00	0.46342E 03
30.00	15.21	30.00	4.59	0.7694E-01	0.18221E 04
30.00	15.21	45.00	2.97	0.3519E-01	0.39834E 04
30.00	15.21	57.45	2.25	0.2231E-01	0.62827E 04
45.00	9.67	15.00	9.33	0.4799E 00	0.46342E 03
45.00	9.67	30.00	4.59	0.1419E 00	0.18221E 04
45.00	9.67	45.00	2.97	0.6500E-01	0.39834E 04
45.00	9.67	57.45	2.25	0.4121E-01	0.62827E 04
60.00	7.09	15.00	9.33	0.5396E 00	0.46342E 03
60.00	7.09	30.00	4.59	0.1932E 00	0.18221E 04
60.00	7.09	45.00	2.97	0.8980E-01	0.39834E 04
60.00	7.09	57.45	2.25	0.5694E-01	0.62827E 04
75.00	5.34	15.00	9.33	0.5512E 00	0.46342E 03
75.00	5.34	30.00	4.59	0.2221E 00	0.18221E 04
75.00	5.34	45.00	2.97	0.1062E 00	0.39834E 04
75.00	5.34	57.45	2.25	0.6734E-01	0.62827E 04
90.00	4.10	15.00	9.33	0.5520E 00	0.46342E 03
90.00	4.10	30.00	4.59	0.2323E 00	0.18221E 04
90.00	4.10	45.00	2.97	0.1138E 00	0.39834E 04
90.00	4.10	57.45	2.25	0.7232E-01	0.62827E 04
105.00	3.15	15.00	9.33	0.5520E 00	0.46342E 03
105.00	3.15	30.00	4.59	0.2340E 00	0.18221E 04
105.00	3.15	45.00	2.97	0.1161E 00	0.39834E 04
105.00	3.15	57.45	2.25	0.7388E-01	0.62827E 04
120.00	2.37	15.00	9.33	0.5520E 00	0.46342E 03
120.00	2.37	30.00	4.59	0.2340E 00	0.18221E 04
120.00	2.37	45.00	2.97	0.1163E 00	0.39834E 04
120.00	2.37	57.45	2.25	0.7407E-01	0.62827E 04
122.55	2.25	15.00	9.33	0.5520E 00	0.46342E 03
122.55	2.25	30.00	4.59	0.2340E 00	0.18221E 04
122.55	2.25	45.00	2.97	0.1163E 00	0.39834E 04
122.55	2.25	57.45	2.25	0.7407E-01	0.62827E 04

$r_2/r_1 = 0.30$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2275$ $\cosh \mu_2 = 2.5750$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	157.56	15.00	135.22	0.9461E-02	0.42248E 00
15.00	157.56	30.00	100.04	0.5816E-02	0.16611E 01
15.00	157.56	45.00	75.30	0.3407E-02	0.36315E 01
15.00	157.56	60.00	57.93	0.2058E-02	0.61994E 01
15.00	157.56	69.51	49.46	0.1583E-02	0.80592E 01
30.00	136.03	15.00	135.22	0.3220E-01	0.42248E 00
30.00	136.03	30.00	100.04	0.2036E-01	0.16611E 01
30.00	136.03	45.00	75.30	0.1213E-01	0.36315E 01
30.00	136.03	60.00	57.93	0.7377E-02	0.61994E 01
30.00	136.03	69.51	49.46	0.5675E-02	0.80592E 01
45.00	116.07	15.00	135.22	0.5644E-01	0.42248E 00
45.00	116.07	30.00	100.04	0.3700E-01	0.16611E 01
45.00	116.07	45.00	75.30	0.2260E-01	0.36315E 01
45.00	116.07	60.00	57.93	0.1393E-01	0.61994E 01
45.00	116.07	69.51	49.46	0.1071E-01	0.80592E 01
60.00	97.96	15.00	135.22	0.7282E-01	0.42248E 00
60.00	97.96	30.00	100.04	0.4952E-01	0.16611E 01
60.00	97.96	45.00	75.30	0.3108E-01	0.36315E 01
60.00	97.96	60.00	57.93	0.1944E-01	0.61994E 01
60.00	97.96	69.51	49.46	0.1496E-01	0.80592E 01
75.00	81.72	15.00	135.22	0.7859E-01	0.42248E 00
75.00	81.72	30.00	100.04	0.5554E-01	0.16611E 01
75.00	81.72	45.00	75.30	0.3583E-01	0.36315E 01
75.00	81.72	60.00	57.93	0.2272E-01	0.61994E 01
75.00	81.72	69.51	49.46	0.1751E-01	0.80592E 01
90.00	67.15	15.00	135.22	0.7904E-01	0.42248E 00
90.00	67.15	30.00	100.04	0.5704E-01	0.16611E 01
90.00	67.15	45.00	75.30	0.3748E-01	0.36315E 01
90.00	67.15	60.00	57.93	0.2400E-01	0.61994E 01
90.00	67.15	69.51	49.46	0.1852E-01	0.80592E 01
105.00	53.98	15.00	135.22	0.7904E-01	0.42248E 00
105.00	53.98	30.00	100.04	0.5710E-01	0.16611E 01
105.00	53.98	45.00	75.30	0.3769E-01	0.36315E 01
105.00	53.98	60.00	57.93	0.2422E-01	0.61994E 01
105.00	53.98	69.51	49.46	0.1870E-01	0.80592E 01
110.49	49.46	15.00	135.22	0.7904E-01	0.42248E 00
110.49	49.46	30.00	100.04	0.5710E-01	0.16611E 01
110.49	49.46	45.00	75.30	0.3769E-01	0.36315E 01
110.49	49.46	60.00	57.93	0.2422E-01	0.61994E 01
110.49	49.46	69.51	49.46	0.1870E-01	0.80592E 01

$r_2/r_1 = 0.30$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6517$ $\cosh \mu_2 = 4.4944$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	161.25	15.00	150.25	0.1902E-02	0.12390E 00
15.00	161.25	30.00	123.22	0.1538E-02	0.48714E 00
15.00	161.25	45.00	100.24	0.1139E-02	0.10650E 01
15.00	161.25	60.00	81.30	0.8017E-03	0.18180E 01
15.00	161.25	75.00	65.73	0.5533E-03	0.26950E 01
15.00	161.25	76.51	64.32	0.5350E-03	0.27877E 01
30.00	142.86	15.00	150.25	0.6832E-02	0.12390E 00
30.00	142.86	30.00	123.22	0.5548E-02	0.48714E 00
30.00	142.86	45.00	100.24	0.4127E-02	0.10650E 01
30.00	142.86	60.00	81.30	0.2915E-02	0.18180E 01
30.00	142.86	75.00	65.73	0.2017E-02	0.26950E 01
30.00	142.86	76.51	64.32	0.1950E-02	0.27877E 01
45.00	125.11	15.00	150.25	0.1289E-01	0.12390E 00
45.00	125.11	30.00	123.22	0.1053E-01	0.48714E 00
45.00	125.11	45.00	100.24	0.7887E-02	0.10650E 01
45.00	125.11	60.00	81.30	0.5603E-02	0.18180E 01
45.00	125.11	75.00	65.73	0.3889E-02	0.26950E 01
45.00	125.11	76.51	64.32	0.3760E-02	0.27877E 01
60.00	108.19	15.00	150.25	0.1802E-01	0.12390E 00
60.00	108.19	30.00	123.22	0.1482E-01	0.48714E 00
60.00	108.19	45.00	100.24	0.1118E-01	0.10650E 01
60.00	108.19	60.00	81.30	0.7995E-02	0.18180E 01
60.00	108.19	75.00	65.73	0.5571E-02	0.26950E 01
60.00	108.19	76.51	64.32	0.5386E-02	0.27877E 01
75.00	92.21	15.00	150.25	0.2075E-01	0.12390E 00
75.00	92.21	30.00	123.22	0.1720E-01	0.48714E 00
75.00	92.21	45.00	100.24	0.1309E-01	0.10650E 01
75.00	92.21	60.00	81.30	0.9428E-02	0.18180E 01
75.00	92.21	75.00	65.73	0.6597E-02	0.26950E 01
75.00	92.21	76.51	64.32	0.6377E-02	0.27877E 01
90.00	77.14	15.00	150.25	0.2113E-01	0.12390E 00
90.00	77.14	30.00	123.22	0.1771E-01	0.48714E 00
90.00	77.14	45.00	100.24	0.1362E-01	0.10650E 01
90.00	77.14	60.00	81.30	0.9882E-02	0.18180E 01
90.00	77.14	75.00	65.73	0.6936E-02	0.26950E 01
90.00	77.14	76.51	64.32	0.6705E-02	0.27877E 01
103.49	64.32	15.00	150.25	0.2113E-01	0.12390E 00
103.49	64.32	30.00	123.22	0.1771E-01	0.48714E 00
103.49	64.32	45.00	100.24	0.1365E-01	0.10650E 01
103.49	64.32	60.00	81.30	0.9916E-02	0.18180E 01
103.49	64.32	75.00	65.73	0.6965E-02	0.26950E 01
103.49	64.32	76.51	64.32	0.6733E-02	0.27877E 01

$r_2/r_1 = 0.30$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5910$ $\cosh \mu_2 = 8.0300$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	163.03	15.00	157.62	0.4205E-03	0.37473E-01
15.00	163.03	30.00	136.15	0.3742E-03	0.14734E 00
15.00	163.03	45.00	116.21	0.3113E-03	0.32211E 00
15.00	163.03	60.00	98.12	0.2447E-03	0.54988E 00
15.00	163.03	75.00	81.88	0.1828E-03	0.81511E 00
15.00	163.03	81.95	74.93	0.1580E-03	0.94579E 00
30.00	146.21	15.00	157.62	0.1543E-02	0.37473E-01
30.00	146.21	30.00	136.15	0.1374E-02	0.14734E 00
30.00	146.21	45.00	116.21	0.1144E-02	0.32211E 00
30.00	146.21	60.00	98.12	0.9000E-03	0.54988E 00
30.00	146.21	75.00	81.88	0.6732E-03	0.81511E 00
30.00	146.21	81.95	74.93	0.5818E-03	0.94579E 00
45.00	129.70	15.00	157.62	0.3005E-02	0.37473E-01
45.00	129.70	30.00	136.15	0.2678E-02	0.14734E 00
45.00	129.70	45.00	116.21	0.2234E-02	0.32211E 00
45.00	129.70	60.00	98.12	0.1760E-02	0.54988E 00
45.00	129.70	75.00	81.88	0.1318E-02	0.81511E 00
45.00	129.70	81.95	74.93	0.1140E-02	0.94579E 00
60.00	113.60	15.00	157.62	0.4359E-02	0.37473E-01
60.00	113.60	30.00	136.15	0.3890E-02	0.14734E 00
60.00	113.60	45.00	116.21	0.3250E-02	0.32211E 00
60.00	113.60	60.00	98.12	0.2565E-02	0.54988E 00
60.00	113.60	75.00	81.88	0.1924E-02	0.81511E 00
60.00	113.60	81.95	74.93	0.1665E-02	0.94579E 00
75.00	97.58	15.00	157.62	0.5223E-02	0.37473E-01
75.00	97.58	30.00	136.15	0.4667E-02	0.14734E 00
75.00	97.58	45.00	116.21	0.3906E-02	0.32211E 00
75.00	97.58	60.00	98.12	0.3089E-02	0.54988E 00
75.00	97.58	75.00	81.88	0.2322E-02	0.81511E 00
75.00	97.58	81.95	74.93	0.2010E-02	0.94579E 00
90.00	82.65	15.00	157.62	0.5419E-02	0.37473E-01
90.00	82.65	30.00	136.15	0.4860E-02	0.14734E 00
90.00	82.65	45.00	116.21	0.4083E-02	0.32211E 00
90.00	82.65	60.00	98.12	0.3240E-02	0.54988E 00
90.00	82.65	75.00	81.88	0.2441E-02	0.81511E 00
90.00	82.65	81.95	74.93	0.2113E-02	0.94579E 00
98.05	74.53	15.00	157.62	0.5419E-02	0.37473E-01
98.05	74.53	30.00	136.15	0.4860E-02	0.14734E 00
98.05	74.53	45.00	116.21	0.4085E-02	0.32211E 00
98.05	74.53	60.00	98.12	0.3244E-02	0.54988E 00
98.05	74.53	75.00	81.88	0.2444E-02	0.81511E 00
98.05	74.53	81.95	74.93	0.2116E-02	0.94579E 00

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(d) Continued. Radius ratio, r_2/r_1, 0.30

r_2/r_1 = 0.30	d/r_1 = 7.000	cosh μ_1 = 3.5650	cosh μ_2 = 11.4500		
α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	163.65	15.00	160.08	0.1792E-03	0.18284E-01
15.00	163.65	30.00	140.66	0.1635E-03	0.71891E-01
15.00	163.65	45.00	122.15	0.1408E-03	0.15717E 00
15.00	163.65	60.00	104.79	0.1150E-03	0.26830E 00
15.00	163.65	75.00	88.66	0.8916E-04	0.39772E 00
15.00	163.65	84.26	79.30	0.7436E-04	0.48294E 00
30.00	147.39	15.00	160.08	0.6616E-03	0.18284E-01
30.00	147.39	30.00	140.66	0.6036E-03	0.71891E-01
30.00	147.39	45.00	122.15	0.5202E-03	0.15717E 00
30.00	147.39	60.00	104.79	0.4249E-03	0.26830E 00
30.00	147.39	75.00	88.66	0.3296E-03	0.39772E 00
30.00	147.39	84.26	79.30	0.2750E-03	0.48294E 00
45.00	131.34	15.00	160.08	0.1301E-02	0.18284E-01
45.00	131.34	30.00	140.66	0.1187E-02	0.71891E-01
45.00	131.34	45.00	122.15	0.1024E-02	0.15717E 00
45.00	131.34	60.00	104.79	0.8368E-03	0.26830E 00
45.00	131.34	75.00	88.66	0.6495E-03	0.39772E 00
45.00	131.34	84.26	79.30	0.5422E-03	0.48294E 00
60.00	115.56	15.00	160.08	0.1909E-02	0.18284E-01
60.00	115.56	30.00	140.66	0.1743E-02	0.71891E-01
60.00	115.56	45.00	122.15	0.1504E-02	0.15717E 00
60.00	115.56	60.00	104.79	0.1231E-02	0.26830E 00
60.00	115.56	75.00	88.66	0.9560E-03	0.39772E 00
60.00	115.56	84.26	79.30	0.7983E-03	0.48294E 00
75.00	100.10	15.00	160.08	0.2317E-02	0.18284E-01
75.00	100.10	30.00	140.66	0.2117E-02	0.71891E-01
75.00	100.10	45.00	122.15	0.1828E-02	0.15717E 00
75.00	100.10	60.00	104.79	0.1497E-02	0.26830E 00
75.00	100.10	75.00	88.66	0.1164E-02	0.39772E 00
75.00	100.10	84.26	79.30	0.9722E-03	0.48294E 00
90.00	84.99	15.00	160.08	0.2426E-02	0.18284E-01
90.00	84.99	30.00	140.66	0.2221E-02	0.71891E-01
90.00	84.99	45.00	122.15	0.1921E-02	0.15717E 00
90.00	84.99	60.00	104.79	0.1576E-02	0.26830E 00
90.00	84.99	75.00	88.66	0.1227E-02	0.39772E 00
90.00	84.99	84.26	79.30	0.1025E-02	0.48294E 00
95.74	79.30	15.00	160.08	0.2426E-02	0.18284E-01
95.74	79.30	30.00	140.66	0.2221E-02	0.71891E-01
95.74	79.30	45.00	122.15	0.1922E-02	0.15717E 00
95.74	79.30	60.00	104.79	0.1577E-02	0.26830E 00
95.74	79.30	75.00	88.66	0.1228E-02	0.39772E 00
95.74	79.30	84.26	79.30	0.1026E-02	0.48294E 00

r_2/r_1 = 0.30	d/r_1 = 20.000	cosh μ_1 = 10.0227	cosh μ_2 = 33.2575		
α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.55	15.00	163.44	0.1686E-04	0.21527E-02
15.00	164.55	30.00	147.01	0.1583E-04	0.84640E-02
15.00	164.55	45.00	130.80	0.1423E-04	0.18504E-01
15.00	164.55	60.00	114.91	0.1223E-04	0.31588E-01
15.00	164.55	75.00	99.40	0.1000E-04	0.46825E-01
15.00	164.55	87.99	86.27	0.8043E-05	0.60965E-01
30.00	149.13	15.00	163.44	0.6273E-04	0.21527E-02
30.00	149.13	30.00	147.01	0.5888E-04	0.84640E-02
30.00	149.13	45.00	130.80	0.5294E-04	0.18504E-01
30.00	149.13	60.00	114.91	0.4549E-04	0.31588E-01
30.00	149.13	75.00	99.40	0.3722E-04	0.46825E-01
30.00	149.13	87.99	86.27	0.2993E-04	0.60965E-01
45.00	133.77	15.00	163.44	0.1248E-03	0.21527E-02
45.00	133.77	30.00	147.01	0.1172E-03	0.84640E-02
45.00	133.77	45.00	130.80	0.1053E-03	0.18504E-01
45.00	133.77	60.00	114.91	0.9053E-04	0.31588E-01
45.00	133.77	75.00	99.40	0.7408E-04	0.46825E-01
45.00	133.77	87.99	86.27	0.5956E-04	0.60965E-01
60.00	118.50	15.00	163.44	0.1860E-03	0.21527E-02
60.00	118.50	30.00	147.01	0.1746E-03	0.84640E-02
60.00	118.50	45.00	130.80	0.1570E-03	0.18504E-01
60.00	118.50	60.00	114.91	0.1349E-03	0.31588E-01
60.00	118.50	75.00	99.40	0.1104E-03	0.46825E-01
60.00	118.50	87.99	86.27	0.8878E-04	0.60965E-01
75.00	103.33	15.00	163.44	0.2296E-03	0.21527E-02
75.00	103.33	30.00	147.01	0.2155E-03	0.84640E-02
75.00	103.33	45.00	130.80	0.1938E-03	0.18504E-01
75.00	103.33	60.00	114.91	0.1666E-03	0.31588E-01
75.00	103.33	75.00	99.40	0.1363E-03	0.46825E-01
75.00	103.33	87.99	86.27	0.1096E-03	0.60965E-01
90.00	88.28	15.00	163.44	0.2441E-03	0.21527E-02
90.00	88.28	30.00	147.01	0.2292E-03	0.84640E-02
90.00	88.28	45.00	130.80	0.2062E-03	0.18504E-01
90.00	88.28	60.00	114.91	0.1772E-03	0.31588E-01
90.00	88.28	75.00	99.40	0.1451E-03	0.46825E-01
90.00	88.28	87.99	86.27	0.1167E-03	0.60965E-01
92.01	86.27	15.00	163.44	0.2441E-03	0.21527E-02
92.01	86.27	30.00	147.01	0.2292E-03	0.84640E-02
92.01	86.27	45.00	130.80	0.2062E-03	0.18504E-01
92.01	86.27	60.00	114.91	0.1773E-03	0.31588E-01
92.01	86.27	75.00	99.40	0.1451E-03	0.46825E-01
92.01	86.27	87.99	86.27	0.1167E-03	0.60965E-01

r_2/r_1 = 0.30	d/r_1 = 10.000	cosh μ_1 = 5.0455	cosh μ_2 = 16.5150		
α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.07	15.00	161.71	0.7743E-04	0.87539E-02
15.00	164.07	30.00	143.73	0.7168E-04	0.34419E-01
15.00	164.07	45.00	126.29	0.6309E-04	0.75246E-01
15.00	164.07	60.00	109.57	0.5283E-04	0.12845E 00
15.00	164.07	75.00	93.66	0.4204E-04	0.19041E 00
15.00	164.07	85.99	82.53	0.3437E-04	0.23892E 00
30.00	148.22	15.00	161.71	0.2869E-03	0.87539E-02
30.00	148.22	30.00	143.73	0.2657E-03	0.34419E-01
30.00	148.22	45.00	126.29	0.2339E-03	0.75246E-01
30.00	148.22	60.00	109.57	0.1959E-03	0.12845E 00
30.00	148.22	75.00	93.66	0.1559E-03	0.19041E 00
30.00	148.22	85.99	82.53	0.1275E-03	0.23892E 00
45.00	132.49	15.00	161.71	0.5675E-03	0.87539E-02
45.00	132.49	30.00	143.73	0.5255E-03	0.34419E-01
45.00	132.49	45.00	126.29	0.4627E-03	0.75246E-01
45.00	132.49	60.00	109.57	0.3877E-03	0.12845E 00
45.00	132.49	75.00	93.66	0.3086E-03	0.19041E 00
45.00	132.49	85.99	82.53	0.2524E-03	0.23892E 00
60.00	116.55	15.00	161.71	0.8392E-03	0.87539E-02
60.00	116.55	30.00	143.73	0.7772E-03	0.34419E-01
60.00	116.55	45.00	126.29	0.6846E-03	0.75246E-01
60.00	116.55	60.00	109.57	0.5737E-03	0.12845E 00
60.00	116.55	75.00	93.66	0.4569E-03	0.19041E 00
60.00	116.55	85.99	82.53	0.3738E-03	0.23892E 00
75.00	101.62	15.00	161.71	0.1027E-02	0.87539E-02
75.00	101.62	30.00	143.73	0.9514E-03	0.34419E-01
75.00	101.62	45.00	126.29	0.8383E-03	0.75246E-01
75.00	101.62	60.00	109.57	0.7028E-03	0.12845E 00
75.00	101.62	75.00	93.66	0.5599E-03	0.19041E 00
75.00	101.62	85.99	82.53	0.4582E-03	0.23892E 00
90.00	86.53	15.00	161.71	0.1083E-02	0.87539E-02
90.00	86.53	30.00	143.73	0.1004E-02	0.34419E-01
90.00	86.53	45.00	126.29	0.8856E-03	0.75246E-01
90.00	86.53	60.00	109.57	0.7431E-03	0.12845E 00
90.00	86.53	75.00	93.66	0.5924E-03	0.19041E 00
90.00	86.53	85.99	82.53	0.4850E-03	0.23892E 00
94.01	82.53	15.00	161.71	0.1083E-02	0.87539E-02
94.01	82.53	30.00	143.73	0.1004E-02	0.34419E-01
94.01	82.53	45.00	126.29	0.8857E-03	0.75246E-01
94.01	82.53	60.00	109.57	0.7433E-03	0.12845E 00
94.01	82.53	75.00	93.66	0.5926E-03	0.19041E 00
94.01	82.53	85.99	82.53	0.4852E-03	0.23892E 00

r_2/r_1 = 0.30	d/r_1 = 50.000	cosh μ_1 = 25.0091	cosh μ_2 = 83.3030		
α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.82	15.00	164.40	0.2494E-05	0.34285E-03
15.00	164.82	30.00	148.83	0.2357E-05	0.13480E-02
15.00	164.82	45.00	133.36	0.2143E-05	0.29471E-02
15.00	164.82	60.00	118.00	0.1867E-05	0.50309E-02
15.00	164.82	75.00	102.77	0.1551E-05	0.74577E-02
15.00	164.82	89.20	88.51	0.1237E-05	0.99210E-02
30.00	149.65	15.00	164.40	0.9296E-05	0.34285E-03
30.00	149.65	30.00	148.83	0.8787E-05	0.13480E-02
30.00	149.65	45.00	133.36	0.7986E-05	0.29471E-02
30.00	149.65	60.00	118.00	0.6958E-05	0.50309E-02
30.00	149.65	75.00	102.77	0.5782E-05	0.74577E-02
30.00	149.65	89.20	88.51	0.4613E-05	0.99210E-02
45.00	134.51	15.00	164.40	0.1856E-04	0.34285E-03
45.00	134.51	30.00	148.83	0.1754E-04	0.13480E-02
45.00	134.51	45.00	133.36	0.1594E-04	0.29471E-02
45.00	134.51	60.00	118.00	0.1389E-04	0.50309E-02
45.00	134.51	75.00	102.77	0.1154E-04	0.74577E-02
45.00	134.51	89.20	88.51	0.9208E-05	0.99210E-02
60.00	119.40	15.00	164.40	0.2776E-04	0.34285E-03
60.00	119.40	30.00	148.83	0.2624E-04	0.13480E-02
60.00	119.40	45.00	133.36	0.2385E-04	0.29471E-02
60.00	119.40	60.00	118.00	0.2078E-04	0.50309E-02
60.00	119.40	75.00	102.77	0.1727E-04	0.74577E-02
60.00	119.40	89.20	88.51	0.1378E-04	0.99210E-02
75.00	104.33	15.00	164.40	0.3444E-04	0.34285E-03
75.00	104.33	30.00	148.83	0.3255E-04	0.13480E-02
75.00	104.33	45.00	133.36	0.2958E-04	0.29471E-02
75.00	104.33	60.00	118.00	0.2577E-04	0.50309E-02
75.00	104.33	75.00	102.77	0.2142E-04	0.74577E-02
75.00	104.33	89.20	88.51	0.1709E-04	0.99210E-02
90.00	89.31	15.00	164.40	0.3679E-04	0.34285E-03
90.00	89.31	30.00	148.83	0.3478E-04	0.13480E-02
90.00	89.31	45.00	133.36	0.3161E-04	0.29471E-02
90.00	89.31	60.00	118.00	0.2754E-04	0.50309E-02
90.00	89.31	75.00	102.77	0.2289E-04	0.74577E-02
90.00	89.31	89.20	88.51	0.1826E-04	0.99210E-02
90.80	88.51	15.00	164.40	0.3679E-04	0.34285E-03
90.80	88.51	30.00	148.83	0.3478E-04	0.13480E-02
90.80	88.51	45.00	133.36	0.3161E-04	0.29471E-02
90.80	88.51	60.00	118.00	0.2754E-04	0.50309E-02
90.80	88.51	75.00	102.77	0.2289E-04	0.74577E-02
90.80	88.51	89.20	88.51	0.1826E-04	0.99210E-02

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(d) Concluded. Radius ratio, r_2/r_1, 0.30

$r_2/r_1 = 0.30$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0045$ $\cosh \mu_2 = 166.6515$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.51	15.00	164.70	0.6078E-06	0.85657E-04
15.00	164.51	30.00	149.42	0.5757E-06	0.33679E-03
15.00	164.51	45.00	134.18	0.5250E-06	0.73628E-03
15.00	164.51	60.00	119.00	0.4594E-06	0.12569E-02
15.00	164.51	75.00	103.89	0.3836E-06	0.18632E-02
15.00	164.51	89.60	89.26	0.3054E-06	0.24962E-02
30.00	149.83	15.00	164.70	0.2267E-05	0.85657E-04
30.00	149.83	30.00	149.42	0.2147E-05	0.33679E-03
30.00	149.83	45.00	134.18	0.1958E-05	0.73628E-03
30.00	149.83	60.00	119.00	0.1713E-05	0.12569E-02
30.00	149.83	75.00	103.89	0.1431E-05	0.18632E-02
30.00	149.83	89.60	89.26	0.1139E-05	0.24962E-02
45.00	134.76	15.00	164.70	0.4529E-05	0.85657E-04
45.00	134.76	30.00	149.42	0.4290E-05	0.33679E-03
45.00	134.76	45.00	134.18	0.3912E-05	0.73628E-03
45.00	134.76	60.00	119.00	0.3423E-05	0.12569E-02
45.00	134.76	75.00	103.89	0.2859E-05	0.18632E-02
45.00	134.76	89.60	89.26	0.2276E-05	0.24962E-02
60.00	119.70	15.00	164.70	0.6785E-05	0.85657E-04
60.00	119.70	30.00	149.42	0.6428E-05	0.33679E-03
60.00	119.70	45.00	134.18	0.5861E-05	0.73628E-03
60.00	119.70	60.00	119.00	0.5129E-05	0.12569E-02
60.00	119.70	75.00	103.89	0.4283E-05	0.18632E-02
60.00	119.70	89.60	89.26	0.3409E-05	0.24962E-02
75.00	104.67	15.00	164.70	0.8429E-05	0.85657E-04
75.00	104.67	30.00	149.42	0.7984E-05	0.33679E-03
75.00	104.67	45.00	134.18	0.7281E-05	0.73628E-03
75.00	104.67	60.00	119.00	0.6371E-05	0.12569E-02
75.00	104.67	75.00	103.89	0.5320E-05	0.18632E-02
75.00	104.67	89.60	89.26	0.4235E-05	0.24962E-02
90.00	89.66	15.00	164.70	0.9020E-05	0.85657E-04
90.00	89.66	30.00	149.42	0.8544E-05	0.33679E-03
90.00	89.66	45.00	134.18	0.7791E-05	0.73628E-03
90.00	89.66	60.00	119.00	0.6818E-05	0.12569E-02
90.00	89.66	75.00	103.89	0.5694E-05	0.18632E-02
90.00	89.66	89.60	89.26	0.4532E-05	0.24962E-02
90.40	89.26	15.00	164.70	0.9020E-05	0.85657E-04
90.40	89.26	30.00	149.42	0.8544E-05	0.33679E-03
90.40	89.26	45.00	134.18	0.7792E-05	0.73628E-03
90.40	89.26	60.00	119.00	0.6818E-05	0.12569E-02
90.40	89.26	75.00	103.89	0.5694E-05	0.18632E-02
90.40	89.26	89.60	89.26	0.4532E-05	0.24962E-02

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(e) Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 1.401$ $\cosh \mu_1 = 1.0003$ $\cosh \mu_2 = 1.0018$ $r_2/r_1 = 0.40$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.2100$ $\cosh \mu_2 = 1.9750$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2	α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	25.56	15.00	10.38	0.1514E 00	0.37444E 03	15.00	154.10	15.00	133.75	0.2125E-01	0.46131E 00
15.00	25.56	30.00	5.11	0.3850E-01	0.14722E 04	15.00	154.10	30.00	98.00	0.1225E-01	0.18138E 01
15.00	25.56	45.00	3.31	0.1761E-01	0.32186E 04	15.00	154.10	45.00	73.31	0.6886E-02	0.39653E 01
15.00	25.56	60.00	2.37	0.1032E-01	0.54944E 04	15.00	154.10	60.00	56.20	0.4103E-02	0.67692E 01
15.00	25.56	64.64	2.16	0.9022E-02	0.62827E 04	15.00	154.10	72.54	45.57	0.2931E-02	0.94769E 01
30.00	12.72	15.00	10.38	0.4887E 00	0.37444E 03	30.00	129.64	15.00	133.75	0.6836E-01	0.46131E 00
30.00	12.72	30.00	5.11	0.1335E 00	0.14722E 04	30.00	129.64	30.00	98.00	0.4151E-01	0.18138E 01
30.00	12.72	45.00	3.31	0.6105E-01	0.32186E 04	30.00	129.64	45.00	73.31	0.2401E-01	0.39653E 01
30.00	12.72	60.00	2.37	0.3576E-01	0.54944E 04	30.00	129.64	60.00	56.20	0.1444E-01	0.67692E 01
30.00	12.72	64.64	2.16	0.3128E-01	0.62827E 04	30.00	129.64	72.54	45.57	0.1032E-01	0.94769E 01
45.00	8.25	15.00	10.38	0.6358E 00	0.37444E 03	45.00	108.23	15.00	133.75	0.1117E 00	0.46131E 00
45.00	8.25	30.00	5.11	0.2311E 00	0.14722E 04	45.00	108.23	30.00	98.00	0.7211E-01	0.18138E 01
45.00	8.25	45.00	3.31	0.1071E 00	0.32186E 04	45.00	108.23	45.00	73.31	0.4336E-01	0.39653E 01
45.00	8.25	60.00	2.37	0.6272E-01	0.54944E 04	45.00	108.23	60.00	56.20	0.2657E-01	0.67692E 01
45.00	8.25	64.64	2.16	0.5485E-01	0.62827E 04	45.00	108.23	72.54	45.57	0.1898E-01	0.94769E 01
60.00	5.52	15.00	10.38	0.6608E 00	0.37444E 03	60.00	89.51	15.00	133.75	0.1351E 00	0.46131E 00
60.00	5.52	30.00	5.11	0.2960E 00	0.14722E 04	60.00	89.51	30.00	98.00	0.9217E-01	0.18138E 01
60.00	5.52	45.00	3.31	0.1438E 00	0.32186E 04	60.00	89.51	45.00	73.31	0.5769E-01	0.39653E 01
60.00	5.52	60.00	2.37	0.8418E-01	0.54944E 04	60.00	89.51	60.00	56.20	0.3606E-01	0.67692E 01
60.00	5.52	64.64	2.16	0.7362E-01	0.62827E 04	60.00	89.51	72.54	45.57	0.2580E-01	0.94769E 01
75.00	4.46	15.00	10.38	0.6628E 00	0.37444E 03	75.00	73.45	15.00	133.75	0.1404E 00	0.46131E 00
75.00	4.46	30.00	5.11	0.3209E 00	0.14722E 04	75.00	73.45	30.00	98.00	0.1001E 00	0.18138E 01
75.00	4.46	45.00	3.31	0.1634E 00	0.32186E 04	75.00	73.45	45.00	73.31	0.6482E-01	0.39653E 01
75.00	4.46	60.00	2.37	0.9640E-01	0.54944E 04	75.00	73.45	60.00	56.20	0.4124E-01	0.67692E 01
75.00	4.46	64.64	2.16	0.8430E-01	0.62827E 04	75.00	73.45	72.54	45.57	0.2957E-01	0.94769E 01
90.00	3.42	15.00	10.38	0.6628E 00	0.37444E 03	90.00	59.58	15.00	133.75	0.1405E 00	0.46131E 00
90.00	3.42	30.00	5.11	0.3257E 00	0.14722E 04	90.00	59.58	30.00	98.00	0.1015E 00	0.18138E 01
90.00	3.42	45.00	3.31	0.1705E 00	0.32186E 04	90.00	59.58	45.00	73.31	0.6685E-01	0.39653E 01
90.00	3.42	60.00	2.37	0.1013E 00	0.54944E 04	90.00	59.58	60.00	56.20	0.4299E-01	0.67692E 01
90.00	3.42	64.64	2.16	0.8861E-01	0.62827E 04	90.00	59.58	72.54	45.57	0.3089E-01	0.94769E 01
105.00	2.63	15.00	10.38	0.6628E 00	0.37444E 03	105.00	47.43	15.00	133.75	0.1405E 00	0.46131E 00
105.00	2.63	30.00	5.11	0.3259E 00	0.14722E 04	105.00	47.43	30.00	98.00	0.1015E 00	0.18138E 01
105.00	2.63	45.00	3.31	0.1718E 00	0.32186E 04	105.00	47.43	45.00	73.31	0.6700E-01	0.39653E 01
105.00	2.63	60.00	2.37	0.1024E 00	0.54944E 04	105.00	47.43	60.00	56.20	0.4320E-01	0.67692E 01
105.00	2.63	64.64	2.16	0.8958E-01	0.62827E 04	105.00	47.43	72.54	45.57	0.3106E-01	0.94769E 01
115.36	2.16	15.00	10.38	0.6628E 00	0.37444E 03	107.46	45.57	15.00	133.75	0.1405E 00	0.46131E 00
115.36	2.16	30.00	5.11	0.3259E 00	0.14722E 04	107.46	45.57	30.00	98.00	0.1015E 00	0.18138E 01
115.36	2.16	45.00	3.31	0.1718E 00	0.32186E 04	107.46	45.57	45.00	73.31	0.6700E-01	0.39653E 01
115.36	2.16	60.00	2.37	0.1025E 00	0.54944E 04	107.46	45.57	60.00	56.20	0.4320E-01	0.67692E 01
115.36	2.16	64.64	2.16	0.8962E-01	0.62827E 04	107.46	45.57	72.54	45.57	0.3106E-01	0.94769E 01

$r_2/r_1 = 0.40$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6400$ $\cosh \mu_2 = 3.4000$ $r_2/r_1 = 0.40$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5840$ $\cosh \mu_2 = 6.0400$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2	α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	159.79	15.00	150.06	0.3773E-02	0.12671E 00	15.00	162.31	15.00	157.60	0.7872E-03	0.37712E-01
15.00	159.79	30.00	122.89	0.3017E-02	0.49822E 00	15.00	162.31	30.00	136.10	0.6991E-03	0.14828E 00
15.00	159.79	45.00	99.85	0.2207E-02	0.10892E 01	15.00	162.31	45.00	116.15	0.5801E-03	0.32416E 00
15.00	159.79	60.00	80.92	0.1538E-02	0.18594E 01	15.00	162.31	60.00	98.05	0.4546E-03	0.55338E 00
15.00	159.79	75.00	65.37	0.1057E-02	0.27563E 01	15.00	162.31	75.00	81.81	0.3389E-03	0.82032E 00
15.00	159.79	78.46	62.18	0.9795E-03	0.29750E 01	15.00	162.31	83.11	73.74	0.2860E-03	0.97396E 00
30.00	140.12	15.00	150.06	0.1331E-01	0.12671E 00	30.00	144.66	15.00	157.60	0.2869E-02	0.37712E-01
30.00	140.12	30.00	122.89	0.1072E-01	0.49822E 00	30.00	144.66	30.00	136.10	0.2550E-02	0.14828E 00
30.00	140.12	45.00	99.85	0.7896E-02	0.10892E 01	30.00	144.66	45.00	116.15	0.2119E-02	0.32416E 00
30.00	140.12	60.00	80.92	0.5533E-02	0.18594E 01	30.00	144.66	60.00	98.05	0.1663E-02	0.55338E 00
30.00	140.12	75.00	65.37	0.3816E-02	0.27563E 01	30.00	144.66	75.00	81.81	0.1241E-02	0.82032E 00
30.00	140.12	78.46	62.18	0.3536E-02	0.29750E 01	30.00	144.66	83.11	73.74	0.1048E-02	0.97396E 00
45.00	121.43	15.00	150.06	0.2448E-01	0.12671E 00	45.00	127.63	15.00	157.60	0.5531E-02	0.37712E-01
45.00	121.43	30.00	122.89	0.1990E-01	0.49822E 00	45.00	127.63	30.00	136.10	0.4924E-02	0.14828E 00
45.00	121.43	45.00	99.85	0.1481E-01	0.10892E 01	45.00	127.63	45.00	116.15	0.4099E-02	0.32416E 00
45.00	121.43	60.00	80.92	0.1046E-01	0.18594E 01	45.00	127.63	60.00	98.05	0.3224E-02	0.55338E 00
45.00	121.43	75.00	65.37	0.7251E-02	0.27563E 01	45.00	127.63	75.00	81.81	0.2411E-02	0.82032E 00
45.00	121.43	78.46	62.18	0.6718E-02	0.29750E 01	45.00	127.63	83.11	73.74	0.2037E-02	0.97396E 00
60.00	103.57	15.00	150.06	0.3324E-01	0.12671E 00	60.00	111.38	15.00	157.60	0.7924E-02	0.37712E-01
60.00	103.57	30.00	122.89	0.2729E-01	0.49822E 00	60.00	111.38	30.00	136.10	0.7066E-02	0.14828E 00
60.00	103.57	45.00	99.85	0.2053E-01	0.10892E 01	60.00	111.38	45.00	116.15	0.5897E-02	0.32416E 00
60.00	103.57	60.00	80.92	0.1465E-01	0.18594E 01	60.00	111.38	60.00	98.05	0.4650E-02	0.55338E 00
60.00	103.57	75.00	65.37	0.1021E-01	0.27563E 01	60.00	111.38	75.00	81.81	0.3485E-02	0.82032E 00
60.00	103.57	78.46	62.18	0.9458E-02	0.29750E 01	60.00	111.38	83.11	73.74	0.2948E-02	0.97396E 00
75.00	87.81	15.00	150.06	0.3724E-01	0.12671E 00	75.00	95.59	15.00	157.60	0.9367E-02	0.37712E-01
75.00	87.81	30.00	122.89	0.3091E-01	0.49822E 00	75.00	95.59	30.00	136.10	0.8370E-02	0.14828E 00
75.00	87.81	45.00	99.85	0.2354E-01	0.10892E 01	75.00	95.59	45.00	116.15	0.7003E-02	0.32416E 00
75.00	87.81	60.00	80.92	0.1696E-01	0.18594E 01	75.00	95.59	60.00	98.05	0.5936E-02	0.55338E 00
75.00	87.81	75.00	65.37	0.1189E-01	0.27563E 01	75.00	95.59	75.00	81.81	0.4161E-02	0.82032E 00
75.00	87.81	78.46	62.18	0.1101E-01	0.29750E 01	75.00	95.59	83.11	73.74	0.3521E-02	0.97396E 00
90.00	72.50	15.00	150.06	0.3756E-01	0.12671E 00	90.00	80.47	15.00	157.60	0.9635E-02	0.37712E-01
90.00	72.50	30.00	122.89	0.3149E-01	0.49822E 00	90.00	80.47	30.00	136.10	0.8640E-02	0.14828E 00
90.00	72.50	45.00	99.85	0.2424E-01	0.10892E 01	90.00	80.47	45.00	116.15	0.7262E-02	0.32416E 00
90.00	72.50	60.00	80.92	0.1760E-01	0.18594E 01	90.00	80.47	60.00	98.05	0.5763E-02	0.55338E 00
90.00	72.50	75.00	65.37	0.1238E-01	0.27563E 01	90.00	80.47	75.00	81.81	0.4342E-02	0.82032E 00
90.00	72.50	78.46	62.18	0.1147E-01	0.29750E 01	90.00	80.47	83.11	73.74	0.3676E-02	0.97396E 00
101.54	62.18	15.00	150.06	0.3756E-01	0.12671E 00	96.89	73.74	15.00	157.60	0.9635E-02	0.37712E-01
101.54	62.18	30.00	122.89	0.3149E-01	0.49822E 00	96.89	73.74	30.00	136.10	0.8640E-02	0.14828E 00
101.54	62.18	45.00	99.85	0.2426E-01	0.10892E 01	96.89	73.74	45.00	116.15	0.7263E-02	0.32416E 00
101.54	62.18	60.00	80.92	0.1763E-01	0.18594E 01	96.89	73.74	60.00	98.05	0.5766E-02	0.55338E 00
101.54	62.18	75.00	65.37	0.1241E-01	0.27563E 01	96.89	73.74	75.00	81.81	0.4345E-02	0.82032E 00
101.54	62.18	78.46	62.18	0.1150E-01	0.29750E 01	96.89	73.74	83.11	73.74	0.3680E-02	0.97396E 00

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(e) Continued. Radius ratio, r_2/r_1, 0.40

$r_2/r_1 = 0.40$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5600$ $\cosh \mu_2 = 8.6000$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	163.17	15.00	160.07	0.3295E-03	0.18340E-01
15.00	163.17	30.00	140.64	0.3003E-03	0.72110E-01
15.00	163.17	45.00	122.13	0.2584E-03	0.15765E 00
15.00	163.17	60.00	104.77	0.2108E-03	0.26912E 00
15.00	163.17	75.00	88.64	0.1632E-03	0.39893E 00
15.00	163.17	85.08	78.46	0.1340E-03	0.49210E 00
30.00	146.48	15.00	160.07	0.1211E-02	0.18340E-01
30.00	146.48	30.00	140.64	0.1105E-02	0.72110E-01
30.00	146.48	45.00	122.13	0.9510E-03	0.15765E 00
30.00	146.48	60.00	104.77	0.7761E-03	0.26912E 00
30.00	146.48	75.00	88.64	0.6014E-03	0.39893E 00
30.00	146.48	85.08	78.46	0.4938E-03	0.49210E 00
45.00	130.07	15.00	160.07	0.2367E-02	0.18340E-01
45.00	130.07	30.00	140.64	0.2159E-02	0.72110E-01
45.00	130.07	45.00	122.13	0.1861E-02	0.15765E 00
45.00	130.07	60.00	104.77	0.1520E-02	0.26912E 00
45.00	130.07	75.00	88.64	0.1179E-02	0.39893E 00
45.00	130.07	85.08	78.46	0.9683E-03	0.49210E 00
60.00	114.04	15.00	160.07	0.3447E-02	0.18340E-01
60.00	114.04	30.00	140.64	0.3147E-02	0.72110E-01
60.00	114.04	45.00	122.13	0.2714E-02	0.15765E 00
60.00	114.04	60.00	104.77	0.2219E-02	0.26912E 00
60.00	114.04	75.00	88.64	0.1723E-02	0.39893E 00
60.00	114.04	85.08	78.46	0.1416E-02	0.49210E 00
75.00	98.45	15.00	160.07	0.4147E-02	0.18340E-01
75.00	98.45	30.00	140.64	0.3788E-02	0.72110E-01
75.00	98.45	45.00	122.13	0.3271E-02	0.15765E 00
75.00	98.45	60.00	104.77	0.2678E-02	0.26912E 00
75.00	98.45	75.00	88.64	0.2082E-02	0.39893E 00
75.00	98.45	85.08	78.46	0.1712E-02	0.49210E 00
90.00	83.32	15.00	160.07	0.4314E-02	0.18340E-01
90.00	83.32	30.00	140.64	0.3948E-02	0.72110E-01
90.00	83.32	45.00	122.13	0.3416E-02	0.15765E 00
90.00	83.32	60.00	104.77	0.2802E-02	0.26912E 00
90.00	83.32	75.00	88.64	0.2182E-02	0.39893E 00
90.00	83.32	85.08	78.46	0.1796E-02	0.49210E 00
94.92	78.46	15.00	160.07	0.4314E-02	0.18340E-01
94.92	78.46	30.00	140.64	0.3948E-02	0.72110E-01
94.92	78.46	45.00	122.13	0.3416E-02	0.15765E 00
94.92	78.46	60.00	104.77	0.2803E-02	0.26912E 00
94.92	78.46	75.00	88.64	0.2183E-02	0.39893E 00
94.92	78.46	85.08	78.46	0.1796E-02	0.49210E 00

$r_2/r_1 = 0.40$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0420$ $\cosh \mu_2 = 12.3950$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	163.75	15.00	161.71	0.1407E-03	0.87665E-02
15.00	163.75	30.00	143.72	0.1302E-03	0.34469E-01
15.00	163.75	45.00	126.28	0.1146E-03	0.75355E-01
15.00	163.75	60.00	109.56	0.9590E-04	0.12864E 00
15.00	163.75	75.00	93.66	0.7626E-04	0.19069E 00
15.00	163.75	86.56	81.95	0.6165E-04	0.24184E 00
30.00	147.60	15.00	161.71	0.5202E-03	0.87665E-02
30.00	147.60	30.00	143.72	0.4815E-03	0.34469E-01
30.00	147.60	45.00	126.28	0.4237E-03	0.75355E-01
30.00	147.60	60.00	109.56	0.3547E-03	0.12864E 00
30.00	147.60	75.00	93.66	0.2821E-03	0.19069E 00
30.00	147.60	86.56	81.95	0.2282E-03	0.24184E 00
45.00	131.63	15.00	161.71	0.1025E-02	0.87665E-02
45.00	131.63	30.00	143.72	0.9688E-03	0.34469E-01
45.00	131.63	45.00	126.28	0.8352E-03	0.75355E-01
45.00	131.63	60.00	109.56	0.6994E-03	0.12864E 00
45.00	131.63	75.00	93.66	0.5566E-03	0.19069E 00
45.00	131.63	86.56	81.95	0.4503E-03	0.24184E 00
60.00	115.51	15.00	161.71	0.1508E-02	0.87665E-02
60.00	115.51	30.00	143.72	0.1396E-02	0.34469E-01
60.00	115.51	45.00	126.28	0.1230E-02	0.75355E-01
60.00	115.51	60.00	109.56	0.1030E-02	0.12864E 00
60.00	115.51	75.00	93.66	0.8202E-03	0.19069E 00
60.00	115.51	86.56	81.95	0.6639E-03	0.24184E 00
75.00	100.48	15.00	161.71	0.1835E-02	0.87665E-02
75.00	100.48	30.00	143.72	0.1700E-02	0.34469E-01
75.00	100.48	45.00	126.28	0.1497E-02	0.75355E-01
75.00	100.48	60.00	109.56	0.1255E-02	0.12864E 00
75.00	100.48	75.00	93.66	0.9999E-03	0.19069E 00
75.00	100.48	86.56	81.95	0.8097E-03	0.24184E 00
90.00	85.37	15.00	161.71	0.1926E-02	0.87665E-02
90.00	85.37	30.00	143.72	0.1785E-02	0.34469E-01
90.00	85.37	45.00	126.28	0.1575E-02	0.75355E-01
90.00	85.37	60.00	109.56	0.1321E-02	0.12864E 00
90.00	85.37	75.00	93.66	0.1053E-02	0.19069E 00
90.00	85.37	86.56	81.95	0.8533E-03	0.24184E 00
93.44	81.55	15.00	161.71	0.1926E-02	0.87665E-02
93.44	81.55	30.00	143.72	0.1785E-02	0.34469E-01
93.44	81.55	45.00	126.28	0.1575E-02	0.75355E-01
93.44	81.55	60.00	109.56	0.1321E-02	0.12864E 00
93.44	81.55	75.00	93.66	0.1054E-02	0.19069E 00
93.44	81.55	86.56	81.95	0.8535E-03	0.24184E 00

$r_2/r_1 = 0.40$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0210$ $\cosh \mu_2 = 24.9475$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.35	15.00	163.44	0.3029E-04	0.21534E-02
15.00	164.35	30.00	147.00	0.2843E-04	0.84669E-02
15.00	164.39	45.00	130.80	0.2556E-04	0.18510E-01
15.00	164.39	60.00	114.91	0.2196E-04	0.31599E-01
15.00	164.35	75.00	99.40	0.1796E-04	0.46841E-01
15.00	164.39	88.28	85.99	0.1437E-04	0.61302E-01
30.00	148.83	15.00	163.44	0.1126E-03	0.21534E-02
30.00	148.83	30.00	147.00	0.1056E-03	0.84669E-02
30.00	148.83	45.00	130.80	0.9497E-04	0.18510E-01
30.00	148.83	60.00	114.91	0.8160E-04	0.31599E-01
30.00	148.83	75.00	99.40	0.6676E-04	0.46841E-01
30.00	148.83	88.28	85.99	0.5339E-04	0.61302E-01
45.00	133.35	15.00	163.44	0.2236E-03	0.21534E-02
45.00	133.35	30.00	147.00	0.2098E-03	0.84669E-02
45.00	133.35	45.00	130.80	0.1887E-03	0.18510E-01
45.00	133.35	60.00	114.91	0.1621E-03	0.31599E-01
45.00	133.35	75.00	99.40	0.1326E-03	0.46841E-01
45.00	133.35	88.28	85.99	0.1061E-03	0.61302E-01
60.00	117.99	15.00	163.44	0.3324E-03	0.21534E-02
60.00	117.99	30.00	147.00	0.3120E-03	0.84669E-02
60.00	117.99	45.00	130.80	0.2805E-03	0.18510E-01
60.00	117.99	60.00	114.91	0.2411E-03	0.31599E-01
60.00	117.99	75.00	99.40	0.1973E-03	0.46841E-01
60.00	117.99	88.28	85.99	0.1578E-03	0.61302E-01
75.00	102.77	15.00	163.44	0.4092E-03	0.21534E-02
75.00	102.77	30.00	147.00	0.3842E-03	0.84669E-02
75.00	102.77	45.00	130.80	0.3454E-03	0.18510E-01
75.00	102.77	60.00	114.91	0.2969E-03	0.31599E-01
75.00	102.77	75.00	99.40	0.2430E-03	0.46841E-01
75.00	102.77	88.28	85.99	0.1944E-03	0.61302E-01
90.00	87.70	15.00	163.44	0.4340E-03	0.21534E-02
90.00	87.70	30.00	147.00	0.4075E-03	0.84669E-02
90.00	87.70	45.00	130.80	0.3665E-03	0.18510E-01
90.00	87.70	60.00	114.91	0.3151E-03	0.31599E-01
90.00	87.70	75.00	99.40	0.2579E-03	0.46841E-01
90.00	87.70	88.28	85.99	0.2064E-03	0.61302E-01
91.72	85.99	15.00	163.44	0.4340E-03	0.21534E-02
91.72	85.99	30.00	147.00	0.4075E-03	0.84669E-02
91.72	85.99	45.00	130.80	0.3665E-03	0.18510E-01
91.72	85.99	60.00	114.91	0.3151E-03	0.31599E-01
91.72	85.99	75.00	99.40	0.2579E-03	0.46841E-01
91.72	85.99	88.28	85.99	0.2064E-03	0.61302E-01

$r_2/r_1 = 0.40$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0084$ $\cosh \mu_2 = 62.4790$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.76	15.00	164.40	0.4452E-05	0.34287E-03
15.00	164.76	30.00	148.83	0.4208E-05	0.13481E-02
15.00	164.76	45.00	133.36	0.3824E-05	0.29472E-02
15.00	164.76	60.00	118.00	0.3331E-05	0.50312E-02
15.00	164.76	75.00	102.77	0.2768E-05	0.74581E-02
15.00	164.76	89.31	88.40	0.2204E-05	0.99417E-02
30.00	149.54	15.00	164.40	0.1059E-04	0.34287E-03
30.00	149.54	30.00	148.83	0.1568E-04	0.13481E-02
30.00	149.54	45.00	133.36	0.1425E-04	0.29472E-02
30.00	149.54	60.00	118.00	0.1241E-04	0.50312E-02
30.00	149.54	75.00	102.77	0.1031E-04	0.74581E-02
30.00	149.54	89.31	88.40	0.8213E-05	0.99417E-02
45.00	134.35	15.00	164.40	0.3308E-04	0.34287E-03
45.00	134.35	30.00	148.83	0.3127E-04	0.13481E-02
45.00	134.35	45.00	133.36	0.2842E-04	0.29472E-02
45.00	134.35	60.00	118.00	0.2476E-04	0.50312E-02
45.00	134.35	75.00	102.77	0.2058E-04	0.74581E-02
45.00	134.35	89.31	88.40	0.1638E-04	0.99417E-02
60.00	119.20	15.00	164.40	0.4946E-04	0.34287E-03
60.00	119.20	30.00	148.83	0.4675E-04	0.13481E-02
60.00	119.20	45.00	133.36	0.4249E-04	0.29472E-02
60.00	119.20	60.00	118.00	0.3702E-04	0.50312E-02
60.00	119.20	75.00	102.77	0.3076E-04	0.74581E-02
60.00	119.20	89.31	88.40	0.2449E-04	0.99417E-02
75.00	104.11	15.00	164.40	0.6128E-04	0.34287E-03
75.00	104.11	30.00	148.83	0.5793E-04	0.13481E-02
75.00	104.11	45.00	133.36	0.5265E-04	0.29472E-02
75.00	104.11	60.00	118.00	0.4587E-04	0.50312E-02
75.00	104.11	75.00	102.77	0.3812E-04	0.74581E-02
75.00	104.11	89.31	88.40	0.3035E-04	0.99417E-02
90.00	89.08	15.00	164.40	0.6541E-04	0.34287E-03
90.00	89.08	30.00	148.83	0.6183E-04	0.13481E-02
90.00	89.08	45.00	133.36	0.5620E-04	0.29472E-02
90.00	89.08	60.00	118.00	0.4896E-04	0.50312E-02
90.00	89.08	75.00	102.77	0.4069E-04	0.74581E-02
90.00	89.08	89.31	88.40	0.3240E-04	0.99417E-02
90.69	88.40	15.00	164.40	0.6541E-04	0.34287E-03
90.69	88.40	30.00	148.83	0.6183E-04	0.13481E-02
90.69	88.40	45.00	133.36	0.5620E-04	0.29472E-02
90.69	88.40	60.00	118.00	0.4896E-04	0.50312E-02
90.69	88.40	75.00	102.77	0.4069E-04	0.74581E-02
90.69	88.40	89.31	88.40	0.3240E-04	0.99417E-02

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(e) Concluded. Radius ratio, r_2/r_1, 0.40

r_2/r_1 = 0.40 d/r_1 = 100.000 cosh μ_1 = 50.0042 cosh μ_2 = 124.9895

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.88	15.00	164.70	0.1083E-05	0.85658E-04
15.00	164.88	30.00	149.42	0.1026E-05	0.33679E-03
15.00	164.88	45.00	134.18	0.9351E-06	0.73629E-03
15.00	164.88	60.00	119.00	0.8182E-06	0.12569E-02
15.00	164.88	75.00	103.89	0.6833E-06	0.18632E-02
15.00	164.88	89.66	89.20	0.5434E-06	0.24988E-02
30.00	149.77	15.00	164.70	0.4037E-05	0.85658E-04
30.00	149.77	30.00	149.42	0.3824E-05	0.33679E-03
30.00	149.77	45.00	134.18	0.3487E-05	0.73629E-03
30.00	149.77	60.00	119.00	0.3051E-05	0.12569E-02
30.00	149.77	75.00	103.89	0.2548E-05	0.18632E-02
30.00	149.77	89.66	89.20	0.2026E-05	0.24988E-02
45.00	134.67	15.00	164.70	0.8064E-05	0.85658E-04
45.00	134.67	30.00	149.42	0.7638E-05	0.33679E-03
45.00	134.67	45.00	134.18	0.6965E-05	0.73629E-03
45.00	134.67	60.00	119.00	0.6095E-05	0.12569E-02
45.00	134.67	75.00	103.89	0.5090E-05	0.18632E-02
45.00	134.67	89.66	89.20	0.4048E-05	0.24988E-02
60.00	119.60	15.00	164.70	0.1208E-04	0.85658E-04
60.00	119.60	30.00	149.42	0.1144E-04	0.33679E-03
60.00	119.60	45.00	134.18	0.1043E-04	0.73629E-03
60.00	119.60	60.00	119.00	0.9127E-05	0.12569E-02
60.00	119.60	75.00	103.89	0.7622E-05	0.18632E-02
60.00	119.60	89.66	89.20	0.6061E-05	0.24988E-02
75.00	104.56	15.00	164.70	0.1499E-04	0.85658E-04
75.00	104.56	30.00	149.42	0.1420E-04	0.33679E-03
75.00	104.56	45.00	134.18	0.1295E-04	0.73629E-03
75.00	104.56	60.00	119.00	0.1133E-04	0.12569E-02
75.00	104.56	75.00	103.89	0.9463E-05	0.18632E-02
75.00	104.56	89.66	89.20	0.7526E-05	0.24988E-02
90.00	89.54	15.00	164.70	0.1604E-04	0.85658E-04
90.00	89.54	30.00	149.42	0.1519E-04	0.33679E-03
90.00	89.54	45.00	134.18	0.1385E-04	0.73629E-03
90.00	89.54	60.00	119.00	0.1212E-04	0.12569E-02
90.00	89.54	75.00	103.89	0.1012E-04	0.18632E-02
90.00	89.54	89.66	89.20	0.8050E-05	0.24988E-02
90.34	89.20	15.00	164.70	0.1604E-04	0.85658E-04
90.34	89.20	30.00	149.42	0.1519E-04	0.33679E-03
90.34	89.20	45.00	134.18	0.1385E-04	0.73629E-03
90.34	89.20	60.00	119.00	0.1212E-04	0.12569E-02
90.34	89.20	75.00	103.89	0.1012E-04	0.18632E-02
90.34	89.20	89.66	89.20	0.8050E-05	0.24988E-02

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(f) Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 1.501$ $\cosh \mu_1 = 1.0003$ $\cosh \mu_2 = 1.0013$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	22.18	15.00	11.20	0.2350E 00	0.32100E 03
15.00	22.18	30.00	5.52	0.5985E-01	0.12621E 04
15.00	22.18	45.00	3.57	0.2737E-01	0.27592E 04
15.00	22.18	60.00	2.56	0.1604E-01	0.47102E 04
15.00	22.18	70.54	2.09	0.1202E-01	0.62825E 04
30.00	11.00	15.00	11.20	0.6387E 00	0.32100E 03
30.00	11.00	30.00	5.52	0.1967E 00	0.12621E 04
30.00	11.00	45.00	3.57	0.9013E-01	0.27592E 04
30.00	11.00	60.00	2.56	0.5279E-01	0.47102E 04
30.00	11.00	70.54	2.09	0.3958E-01	0.62825E 04
45.00	7.13	15.00	11.20	0.7204E 00	0.32100E 03
45.00	7.13	30.00	5.52	0.3261E 00	0.12621E 04
45.00	7.13	45.00	3.57	0.1556E 00	0.27592E 04
45.00	7.13	60.00	2.56	0.9121E-01	0.47102E 04
45.00	7.13	70.54	2.09	0.6838E-01	0.62825E 04
60.00	5.12	15.00	11.20	0.7347E 00	0.32100E 03
60.00	5.12	30.00	5.52	0.3884E 00	0.12621E 04
60.00	5.12	45.00	3.57	0.2004E 00	0.27592E 04
60.00	5.12	60.00	2.56	0.1183E 00	0.47102E 04
60.00	5.12	70.54	2.09	0.8870E-01	0.62825E 04
75.00	3.85	15.00	11.20	0.7347E 00	0.32100E 03
75.00	3.85	30.00	5.52	0.4035E 00	0.12621E 04
75.00	3.85	45.00	3.57	0.2200E 00	0.27592E 04
75.00	3.85	60.00	2.56	0.1320E 00	0.47102E 04
75.00	3.85	70.54	2.09	0.9898E-01	0.62825E 04
90.00	2.56	15.00	11.20	0.7347E 00	0.32100E 03
90.00	2.56	30.00	5.52	0.4048E 00	0.12621E 04
90.00	2.56	45.00	3.57	0.2251E 00	0.27592E 04
90.00	2.56	60.00	2.56	0.1365E 00	0.47102E 04
90.00	2.56	70.54	2.09	0.1025E 00	0.62825E 04
105.00	2.27	15.00	11.20	0.7347E 00	0.32100E 03
105.00	2.27	30.00	5.52	0.4048E 00	0.12621E 04
105.00	2.27	45.00	3.57	0.2255E 00	0.27592E 04
105.00	2.27	60.00	2.56	0.1371E 00	0.47102E 04
105.00	2.27	70.54	2.09	0.1030E 00	0.62825E 04
105.46	2.09	15.00	11.20	0.7347E 00	0.32100E 03
105.46	2.09	30.00	5.52	0.4048E 00	0.12621E 04
105.46	2.09	45.00	3.57	0.2255E 00	0.27592E 04
105.46	2.09	60.00	2.56	0.1371E 00	0.47102E 04
105.46	2.09	70.54	2.09	0.1030E 00	0.62825E 04

$r_2/r_1 = 0.50$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1875$ $\cosh \mu_2 = 1.6250$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	149.80	15.00	131.58	0.4281E-01	0.52198E 00
15.00	149.80	30.00	95.07	0.2283E-01	0.20524E 01
15.00	149.80	45.00	70.51	0.1226E-01	0.44868E 01
15.00	149.80	60.00	53.78	0.7238E-02	0.76595E 01
15.00	149.80	75.00	41.77	0.4883E-02	0.11354E 02
15.00	149.80	75.52	41.41	0.4825E-02	0.11489E 02
30.00	122.45	15.00	131.58	0.1274E 00	0.52198E 00
30.00	122.45	30.00	95.07	0.7439E-01	0.20524E 01
30.00	122.45	45.00	70.51	0.4177E-01	0.44868E 01
30.00	122.45	60.00	53.78	0.2498E-01	0.76595E 01
30.00	122.45	75.00	41.77	0.1685E-01	0.11354E 02
30.00	122.45	75.52	41.41	0.1665E-01	0.11489E 02
45.00	99.35	15.00	131.58	0.1914E 00	0.52198E 00
45.00	99.35	30.00	95.07	0.1226E 00	0.20524E 01
45.00	99.35	45.00	70.51	0.7285E-01	0.44868E 01
45.00	99.35	60.00	53.78	0.4454E-01	0.76595E 01
45.00	99.35	75.00	41.77	0.3005E-01	0.11354E 02
45.00	99.35	75.52	41.41	0.2970E-01	0.11489E 02
60.00	80.41	15.00	131.58	0.2165E 00	0.52198E 00
60.00	80.41	30.00	95.07	0.1494E 00	0.20524E 01
60.00	80.41	45.00	70.51	0.9364E-01	0.44868E 01
60.00	80.41	60.00	53.78	0.5867E-01	0.76595E 01
60.00	80.41	75.00	41.77	0.3967E-01	0.11354E 02
60.00	80.41	75.52	41.41	0.3920E-01	0.11489E 02
75.00	64.51	15.00	131.58	0.2195E 00	0.52198E 00
75.00	64.51	30.00	95.07	0.1578E 00	0.20524E 01
75.00	64.51	45.00	70.51	0.1026E 00	0.44868E 01
75.00	64.51	60.00	53.78	0.6561E-01	0.76595E 01
75.00	64.51	75.00	41.77	0.4450E-01	0.11354E 02
75.00	64.51	75.52	41.41	0.4398E-01	0.11489E 02
90.00	52.62	15.00	131.58	0.2195E 00	0.52198E 00
90.00	52.62	30.00	95.07	0.1586E 00	0.20524E 01
90.00	52.62	45.00	70.51	0.1046E 00	0.44868E 01
90.00	52.62	60.00	53.78	0.6757E-01	0.76595E 01
90.00	52.62	75.00	41.77	0.4592E-01	0.11354E 02
90.00	52.62	75.52	41.41	0.4538E-01	0.11489E 02
104.48	41.41	15.00	131.58	0.2195E 00	0.52198E 00
104.48	41.41	30.00	95.07	0.1586E 00	0.20524E 01
104.48	41.41	45.00	70.51	0.1047E 00	0.44868E 01
104.48	41.41	60.00	53.78	0.6771E-01	0.76595E 01
104.48	41.41	75.00	41.77	0.4608E-01	0.11354E 02
104.48	41.41	75.52	41.41	0.4554E-01	0.11489E 02

$r_2/r_1 = 0.50$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.6250$ $\cosh \mu_2 = 2.7500$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	158.18	15.00	149.80	0.6613E-02	0.13050E 00
15.00	158.18	30.00	122.45	0.5224E-02	0.51309E 00
15.00	158.18	45.00	99.35	0.3771E-02	0.11217E 01
15.00	158.18	60.00	80.41	0.2599E-02	0.19149E 01
15.00	158.18	75.00	64.91	0.1780E-02	0.28385E 01
15.00	158.18	80.41	60.00	0.1583E-02	0.31915E 01
30.00	137.17	15.00	149.80	0.2283E-01	0.13050E 00
30.00	137.17	30.00	122.45	0.1822E-01	0.51309E 00
30.00	137.17	45.00	99.35	0.1329E-01	0.11217E 01
30.00	137.17	60.00	80.41	0.9235E-02	0.19149E 01
30.00	137.17	75.00	64.91	0.6353E-02	0.28385E 01
30.00	137.17	80.41	60.00	0.5651E-02	0.31915E 01
45.00	117.54	15.00	149.80	0.4078E-01	0.13050E 00
45.00	117.54	30.00	122.45	0.3298E-01	0.51309E 00
45.00	117.54	45.00	99.35	0.2441E-01	0.11217E 01
45.00	117.54	60.00	80.41	0.1715E-01	0.19149E 01
45.00	117.54	75.00	64.91	0.1188E-01	0.28385E 01
45.00	117.54	80.41	60.00	0.1057E-01	0.31915E 01
60.00	99.59	15.00	149.80	0.5367E-01	0.13050E 00
60.00	99.59	30.00	122.45	0.4401E-01	0.51309E 00
60.00	99.59	45.00	99.35	0.3306E-01	0.11217E 01
60.00	99.59	60.00	80.41	0.2353E-01	0.19149E 01
60.00	99.59	75.00	64.91	0.1642E-01	0.28385E 01
60.00	99.59	80.41	60.00	0.1460E-01	0.31915E 01
75.00	83.36	15.00	149.80	0.5850E-01	0.13050E 00
75.00	83.36	30.00	122.45	0.4867E-01	0.51309E 00
75.00	83.36	45.00	99.35	0.3713E-01	0.11217E 01
75.00	83.36	60.00	80.41	0.2676E-01	0.19149E 01
75.00	83.36	75.00	64.91	0.1880E-01	0.28385E 01
75.00	83.36	80.41	60.00	0.1672E-01	0.31915E 01
90.00	68.68	15.00	149.80	0.5868E-01	0.13050E 00
90.00	68.68	30.00	122.45	0.4920E-01	0.51309E 00
90.00	68.68	45.00	99.35	0.3790E-01	0.11217E 01
90.00	68.68	60.00	80.41	0.2752E-01	0.19149E 01
90.00	68.68	75.00	64.91	0.1941E-01	0.28385E 01
90.00	68.68	80.41	60.00	0.1727E-01	0.31915E 01
95.59	60.00	15.00	149.80	0.5868E-01	0.13050E 00
95.59	60.00	30.00	122.45	0.4920E-01	0.51309E 00
95.59	60.00	45.00	99.35	0.3791E-01	0.11217E 01
95.59	60.00	60.00	80.41	0.2754E-01	0.19149E 01
95.59	60.00	75.00	64.91	0.1944E-01	0.28385E 01
95.59	60.00	80.41	60.00	0.1730E-01	0.31915E 01

$r_2/r_1 = 0.50$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5750$ $\cosh \mu_2 = 4.8500$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	161.56	15.00	157.56	0.1297E-02	0.38023E-01
15.00	161.56	30.00	136.03	0.1149E-02	0.14950E 00
15.00	161.56	45.00	116.07	0.9509E-03	0.32684E 00
15.00	161.56	60.00	97.96	0.7431E-03	0.55795E 00
15.00	161.56	75.00	81.72	0.5524E-03	0.82708E 00
15.00	161.56	84.26	72.54	0.4557E-03	0.10043E 01
30.00	143.44	15.00	157.56	0.4691E-02	0.38023E-01
30.00	143.44	30.00	136.03	0.4163E-02	0.14950E 00
30.00	143.44	45.00	116.07	0.3451E-02	0.32684E 00
30.00	143.44	60.00	97.96	0.2702E-02	0.55795E 00
30.00	143.44	75.00	81.72	0.2012E-02	0.82708E 00
30.00	143.44	84.26	72.54	0.1661E-02	0.10043E 01
45.00	125.90	15.00	157.56	0.8944E-02	0.38023E-01
45.00	125.90	30.00	136.03	0.7953E-02	0.14950E 00
45.00	125.90	45.00	116.07	0.6611E-02	0.32684E 00
45.00	125.90	60.00	97.96	0.5190E-02	0.55795E 00
45.00	125.90	75.00	81.72	0.3875E-02	0.82708E 00
45.00	125.90	84.26	72.54	0.3203E-02	0.10043E 01
60.00	109.12	15.00	157.56	0.1265E-01	0.38023E-01
60.00	109.12	30.00	136.03	0.1127E-01	0.14950E 00
60.00	109.12	45.00	116.07	0.9399E-02	0.32684E 00
60.00	109.12	60.00	97.96	0.7404E-02	0.55795E 00
60.00	109.12	75.00	81.72	0.5546E-02	0.82708E 00
60.00	109.12	84.26	72.54	0.4588E-02	0.10043E 01
75.00	93.19	15.00	157.56	0.1475E-01	0.38023E-01
75.00	93.19	30.00	136.03	0.1318E-01	0.14950E 00
75.00	93.19	45.00	116.07	0.1102E-01	0.32684E 00
75.00	93.19	60.00	97.96	0.8714E-02	0.55795E 00
75.00	93.19	75.00	81.72	0.6548E-02	0.82708E 00
75.00	93.19	84.26	72.54	0.5423E-02	0.10043E 01
90.00	78.10	15.00	157.56	0.1505E-01	0.38023E-01
90.00	78.10	30.00	136.03	0.1350E-01	0.14950E 00
90.00	78.10	45.00	116.07	0.1135E-01	0.32684E 00
90.00	78.10	60.00	97.96	0.9008E-02	0.55795E 00
90.00	78.10	75.00	81.72	0.6787E-02	0.82708E 00
90.00	78.10	84.26	72.54	0.5625E-02	0.10043E 01
95.74	72.54	15.00	157.56	0.1505E-01	0.38023E-01
95.74	72.54	30.00	136.03	0.1350E-01	0.14950E 00
95.74	72.54	45.00	116.07	0.1135E-01	0.32684E 00
95.74	72.54	60.00	97.96	0.9010E-02	0.55795E 00
95.74	72.54	75.00	81.72	0.6790E-02	0.82708E 00
95.74	72.54	84.26	72.54	0.5627E-02	0.10043E 01

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(f) Continued. Radius ratio, r_2/r_1, 0.50

r_2/r_1 = 0.50 d/r_1 = 7.000 cosh μ_1 = 3.5536 cosh μ_2 = 6.8929

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	162.67	15.00	160.06	0.5328E-03	0.18412E-01
15.00	162.67	30.00	140.62	0.4852E-03	0.72394E-01
15.00	162.67	45.00	122.10	0.4171E-03	0.15827E 00
15.00	162.67	60.00	104.74	0.3397E-03	0.27018E 00
15.00	162.67	75.00	88.60	0.2628E-03	0.40050E 00
15.00	162.67	85.90	77.63	0.2123E-03	0.50176E 00
30.00	145.54	15.00	160.06	0.1950E-02	0.18412E-01
30.00	145.54	30.00	140.62	0.1777E-02	0.72394E-01
30.00	145.54	45.00	122.10	0.1529E-02	0.15827E 00
30.00	145.54	60.00	104.74	0.1246E-02	0.27018E 00
30.00	145.54	75.00	88.60	0.9645E-03	0.40050E 00
30.00	145.54	85.90	77.63	0.7796E-03	0.50176E 00
45.00	128.78	15.00	160.06	0.3785E-02	0.18412E-01
45.00	128.78	30.00	140.62	0.3452E-02	0.72394E-01
45.00	128.78	45.00	122.10	0.2972E-02	0.15827E 00
45.00	128.78	60.00	104.74	0.2426E-02	0.27018E 00
45.00	128.78	75.00	88.60	0.1880E-02	0.40050E 00
45.00	128.78	85.90	77.63	0.1520E-02	0.50176E 00
60.00	112.50	15.00	160.06	0.5467E-02	0.18412E-01
60.00	112.50	30.00	140.62	0.4990E-02	0.72394E-01
60.00	112.50	45.00	122.10	0.4302E-02	0.15827E 00
60.00	112.50	60.00	104.74	0.3516E-02	0.27018E 00
60.00	112.50	75.00	88.60	0.2729E-02	0.40050E 00
60.00	112.50	85.90	77.63	0.2209E-02	0.50176E 00
75.00	96.79	15.00	160.06	0.6520E-02	0.18412E-01
75.00	96.79	30.00	140.62	0.5956E-02	0.72394E-01
75.00	96.79	45.00	122.10	0.5142E-02	0.15827E 00
75.00	96.79	60.00	104.74	0.4209E-02	0.27018E 00
75.00	96.79	75.00	88.60	0.3271E-02	0.40050E 00
75.00	96.79	85.90	77.63	0.2651E-02	0.50176E 00
90.00	81.66	15.00	160.06	0.6740E-02	0.18412E-01
90.00	81.66	30.00	140.62	0.6169E-02	0.72394E-01
90.00	81.66	45.00	122.10	0.5338E-02	0.15827E 00
90.00	81.66	60.00	104.74	0.4379E-02	0.27018E 00
90.00	81.66	75.00	88.60	0.3409E-02	0.40050E 00
90.00	81.66	85.90	77.63	0.2764E-02	0.50176E 00
94.10	77.63	15.00	160.06	0.6740E-02	0.18412E-01
94.10	77.63	30.00	140.62	0.6169E-02	0.72394E-01
94.10	77.63	45.00	122.10	0.5338E-02	0.15827E 00
94.10	77.63	60.00	104.74	0.4380E-02	0.27018E 00
94.10	77.63	75.00	88.60	0.3410E-02	0.40050E 00
94.10	77.63	85.90	77.63	0.2765E-02	0.50176E 00

r_2/r_1 = 0.50 d/r_1 = 10.000 cosh μ_1 = 5.0375 cosh μ_2 = 9.9250

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	163.43	15.00	161.71	0.2249E-03	0.87829E-02
15.00	163.43	30.00	143.72	0.2080E-03	0.34533E-01
15.00	163.43	45.00	126.27	0.1830E-03	0.75495E-01
15.00	163.43	60.00	109.55	0.1530E-03	0.12888E 00
15.00	163.43	75.00	93.64	0.1216E-03	0.19104E 00
15.00	163.43	87.13	81.37	0.9724E-04	0.24487E 00
30.00	146.57	15.00	161.71	0.8290E-03	0.87829E-02
30.00	146.57	30.00	143.72	0.7671E-03	0.34533E-01
30.00	146.57	45.00	126.27	0.6748E-03	0.75495E-01
30.00	146.57	60.00	109.55	0.5646E-03	0.12888E 00
30.00	146.57	75.00	93.64	0.4489E-03	0.19104E 00
30.00	146.57	87.13	81.37	0.3591E-03	0.24487E 00
45.00	130.76	15.00	161.71	0.1626E-02	0.87829E-02
45.00	130.76	30.00	143.72	0.1505E-02	0.34533E-01
45.00	130.76	45.00	126.27	0.1325E-02	0.75495E-01
45.00	130.76	60.00	109.55	0.1109E-02	0.12888E 00
45.00	130.76	75.00	93.64	0.8822E-03	0.19104E 00
45.00	130.76	87.13	81.37	0.7062E-03	0.24487E 00
60.00	114.86	15.00	161.71	0.2381E-02	0.87829E-02
60.00	114.86	30.00	143.72	0.2204E-02	0.34533E-01
60.00	114.86	45.00	126.27	0.1941E-02	0.75495E-01
60.00	114.86	60.00	109.55	0.1626E-02	0.12888E 00
60.00	114.86	75.00	93.64	0.1294E-02	0.19104E 00
60.00	114.86	87.13	81.37	0.1036E-02	0.24487E 00
75.00	99.34	15.00	161.71	0.2881E-02	0.87829E-02
75.00	99.34	30.00	143.72	0.2668E-02	0.34533E-01
75.00	99.34	45.00	126.27	0.2351E-02	0.75495E-01
75.00	99.34	60.00	109.55	0.1970E-02	0.12888E 00
75.00	99.34	75.00	93.64	0.1569E-02	0.19104E 00
75.00	99.34	87.13	81.37	0.1258E-02	0.24487E 00
90.00	84.22	15.00	161.71	0.3009E-02	0.87829E-02
90.00	84.22	30.00	143.72	0.2790E-02	0.34533E-01
90.00	84.22	45.00	126.27	0.2460E-02	0.75495E-01
90.00	84.22	60.00	109.55	0.2065E-02	0.12888E 00
90.00	84.22	75.00	93.64	0.1646E-02	0.19104E 00
90.00	84.22	87.13	81.37	0.1320E-02	0.24487E 00
92.87	81.37	15.00	161.71	0.3009E-02	0.87829E-02
92.87	81.37	30.00	143.72	0.2790E-02	0.34533E-01
92.87	81.37	45.00	126.27	0.2460E-02	0.75495E-01
92.87	81.37	60.00	109.55	0.2065E-02	0.12888E 00
92.87	81.37	75.00	93.64	0.1646E-02	0.19104E 00
92.87	81.37	87.13	81.37	0.1320E-02	0.24487E 00

r_2/r_1 = 0.50 d/r_1 = 20.000 cosh μ_1 = 10.0187 cosh μ_2 = 19.9625

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.24	15.00	163.44	0.4782E-04	0.21544E-02
15.00	164.24	30.00	147.00	0.4488E-04	0.84708E-02
15.00	164.24	45.00	130.80	0.4034E-04	0.18519E-01
15.00	164.24	60.00	114.91	0.3466E-04	0.31613E-01
15.00	164.24	75.00	99.39	0.2835E-04	0.46862E-01
15.00	164.24	88.57	85.70	0.2259E-04	0.61646E-01
30.00	148.53	15.00	163.44	0.1775E-03	0.21544E-02
30.00	148.53	30.00	147.00	0.1666E-03	0.84708E-02
30.00	148.53	45.00	130.80	0.1497E-03	0.18519E-01
30.00	148.53	60.00	114.91	0.1286E-03	0.31613E-01
30.00	148.53	75.00	99.39	0.1052E-03	0.46862E-01
30.00	148.53	88.57	85.70	0.8373E-04	0.61646E-01
45.00	132.93	15.00	163.44	0.3519E-03	0.21544E-02
45.00	132.93	30.00	147.00	0.3303E-03	0.84708E-02
45.00	132.93	45.00	130.80	0.2969E-03	0.18519E-01
45.00	132.93	60.00	114.91	0.2551E-03	0.31613E-01
45.00	132.93	75.00	99.39	0.2087E-03	0.46862E-01
45.00	132.93	88.57	85.70	0.1661E-03	0.61646E-01
60.00	117.48	15.00	163.44	0.5220E-03	0.21544E-02
60.00	117.48	30.00	147.00	0.4900E-03	0.84708E-02
60.00	117.48	45.00	130.80	0.4405E-03	0.18519E-01
60.00	117.48	60.00	114.91	0.3785E-03	0.31613E-01
60.00	117.48	75.00	99.39	0.3097E-03	0.46862E-01
60.00	117.48	88.57	85.70	0.2469E-03	0.61646E-01
75.00	102.21	15.00	163.44	0.6410E-03	0.21544E-02
75.00	102.21	30.00	147.00	0.6018E-03	0.84708E-02
75.00	102.21	45.00	130.80	0.5411E-03	0.18519E-01
75.00	102.21	60.00	114.91	0.4650E-03	0.31613E-01
75.00	102.21	75.00	99.39	0.3806E-03	0.46862E-01
75.00	102.21	88.57	85.70	0.3029E-03	0.61646E-01
90.00	87.13	15.00	163.44	0.6782E-03	0.21544E-02
90.00	87.13	30.00	147.00	0.6368E-03	0.84708E-02
90.00	87.13	45.00	130.80	0.5727E-03	0.18519E-01
90.00	87.13	60.00	114.91	0.4924E-03	0.31613E-01
90.00	87.13	75.00	99.39	0.4030E-03	0.46862E-01
90.00	87.13	88.57	85.70	0.3208E-03	0.61646E-01
91.43	85.70	15.00	163.44	0.6782E-03	0.21544E-02
91.43	85.70	30.00	147.00	0.6368E-03	0.84708E-02
91.43	85.70	45.00	130.80	0.5727E-03	0.18519E-01
91.43	85.70	60.00	114.91	0.4924E-03	0.31613E-01
91.43	85.70	75.00	99.39	0.4030E-03	0.46862E-01
91.43	85.70	88.57	85.70	0.3208E-03	0.61646E-01

r_2/r_1 = 0.50 d/r_1 = 50.000 cosh μ_1 = 25.0075 cosh μ_2 = 49.9600

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.70	15.00	164.40	0.6983E-05	0.34290E-03
15.00	164.70	30.00	148.83	0.6601E-05	0.13482E-02
15.00	164.70	45.00	133.36	0.5999E-05	0.29474E-02
15.00	164.70	60.00	118.00	0.5226E-05	0.50316E-02
15.00	164.70	75.00	102.77	0.4342E-05	0.74586E-02
15.00	164.70	89.43	88.28	0.3451E-05	0.99625E-02
30.00	149.42	15.00	164.40	0.2601E-04	0.34290E-03
30.00	149.42	30.00	148.83	0.2458E-04	0.13482E-02
30.00	149.42	45.00	133.36	0.2234E-04	0.29474E-02
30.00	149.42	60.00	118.00	0.1946E-04	0.50316E-02
30.00	149.42	75.00	102.77	0.1617E-04	0.74586E-02
30.00	149.42	89.43	88.28	0.1285E-04	0.99625E-02
45.00	134.18	15.00	164.40	0.5184E-04	0.34290E-03
45.00	134.18	30.00	148.83	0.4900E-04	0.13482E-02
45.00	134.18	45.00	133.36	0.4454E-04	0.29474E-02
45.00	134.18	60.00	118.00	0.3880E-04	0.50316E-02
45.00	134.18	75.00	102.77	0.3224E-04	0.74586E-02
45.00	134.18	89.43	88.28	0.2562E-04	0.99625E-02
60.00	119.00	15.00	164.40	0.7743E-04	0.34290E-03
60.00	119.00	30.00	148.83	0.7319E-04	0.13482E-02
60.00	119.00	45.00	133.36	0.6652E-04	0.29474E-02
60.00	119.00	60.00	118.00	0.5795E-04	0.50316E-02
60.00	119.00	75.00	102.77	0.4816E-04	0.74586E-02
60.00	119.00	89.43	88.28	0.3827E-04	0.99625E-02
75.00	103.89	15.00	164.40	0.9585E-04	0.34290E-03
75.00	103.89	30.00	148.83	0.9061E-04	0.13482E-02
75.00	103.89	45.00	133.36	0.8235E-04	0.29474E-02
75.00	103.89	60.00	118.00	0.7174E-04	0.50316E-02
75.00	103.89	75.00	102.77	0.5962E-04	0.74586E-02
75.00	103.89	89.43	88.28	0.4738E-04	0.99625E-02
90.00	88.85	15.00	164.40	0.1022E-03	0.34290E-03
90.00	88.85	30.00	148.83	0.9661E-04	0.13482E-02
90.00	88.85	45.00	133.36	0.8781E-04	0.29474E-02
90.00	88.85	60.00	118.00	0.7651E-04	0.50316E-02
90.00	88.85	75.00	102.77	0.6358E-04	0.74586E-02
90.00	88.85	89.43	88.28	0.5053E-04	0.99625E-02
90.57	88.28	15.00	164.40	0.1022E-03	0.34290E-03
90.57	88.28	30.00	148.83	0.9661E-04	0.13482E-02
90.57	88.28	45.00	133.36	0.8781E-04	0.29474E-02
90.57	88.28	60.00	118.00	0.7651E-04	0.50316E-02
90.57	88.28	75.00	102.77	0.6358E-04	0.74586E-02
90.57	88.28	89.43	88.28	0.5053E-04	0.99625E-02

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(f) Concluded. Radius ratio, r_2/r_1, 0.50

$r_2/r_1 = 0.50$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0037$ $\cosh \mu_2 = 99.9925$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.85	15.00	164.70	0.1695E-05	0.85660E-04
15.00	164.85	30.00	149.42	0.1605E-05	0.33680E-03
15.00	164.85	45.00	134.18	0.1464E-05	0.73631E-03
15.00	164.85	60.00	119.00	0.1281E-05	0.12570E-02
15.00	164.85	75.00	103.89	0.1070E-05	0.18633E-02
15.00	164.85	89.71	89.14	0.8499E-06	0.25013E-02
30.00	149.71	15.00	164.70	0.6319E-05	0.85660E-04
30.00	149.71	30.00	149.42	0.5986E-05	0.33680E-03
30.00	149.71	45.00	134.18	0.5458E-05	0.73631E-03
30.00	149.71	60.00	119.00	0.4776E-05	0.12570E-02
30.00	149.71	75.00	103.89	0.3988E-05	0.18633E-02
30.00	149.71	89.71	89.14	0.3169E-05	0.25013E-02
45.00	134.59	15.00	164.70	0.1262E-04	0.85660E-04
45.00	134.59	30.00	149.42	0.1195E-04	0.33680E-03
45.00	134.59	45.00	134.18	0.1090E-04	0.73631E-03
45.00	134.59	60.00	119.00	0.9536E-05	0.12570E-02
45.00	134.59	75.00	103.89	0.7964E-05	0.18633E-02
45.00	134.59	89.71	89.14	0.6327E-05	0.25013E-02
60.00	119.50	15.00	164.70	0.1889E-04	0.85660E-04
60.00	119.50	30.00	149.42	0.1789E-04	0.33680E-03
60.00	119.50	45.00	134.18	0.1631E-04	0.73631E-03
60.00	119.50	60.00	119.00	0.1427E-04	0.12570E-02
60.00	119.50	75.00	103.89	0.1192E-04	0.18633E-02
60.00	119.50	89.71	89.14	0.9471E-05	0.25013E-02
75.00	104.45	15.00	164.70	0.2344E-04	0.85660E-04
75.00	104.45	30.00	149.42	0.2220E-04	0.33680E-03
75.00	104.45	45.00	134.18	0.2025E-04	0.73631E-03
75.00	104.45	60.00	119.00	0.1771E-04	0.12570E-02
75.00	104.45	75.00	103.89	0.1479E-04	0.18633E-02
75.00	104.45	89.71	89.14	0.1175E-04	0.25013E-02
90.00	89.43	15.00	164.70	0.2506E-04	0.85660E-04
90.00	89.43	30.00	149.42	0.2373E-04	0.33680E-03
90.00	89.43	45.00	134.18	0.2164E-04	0.73631E-03
90.00	89.43	60.00	119.00	0.1894E-04	0.12570E-02
90.00	89.43	75.00	103.89	0.1582E-04	0.18633E-02
90.00	89.43	89.71	89.14	0.1257E-04	0.25013E-02
90.29	89.14	15.00	164.70	0.2506E-04	0.85660E-04
90.29	89.14	30.00	149.42	0.2373E-04	0.33680E-03
90.29	89.14	45.00	134.18	0.2164E-04	0.73631E-03
90.29	89.14	60.00	119.00	0.1894E-04	0.12570E-02
90.29	89.14	75.00	103.89	0.1582E-04	0.18633E-02
90.29	89.14	89.71	89.14	0.1257E-04	0.25013E-02

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(g) Radius ratio, r_2/r_1, 0.60

r_2/r_1 = 0.60	d/r_1 = 1.601		cosh μ_1 = 1.0004		cosh μ_2 = 1.0010	r_2/r_1 = 0.60	d/r_1 = 2.000		cosh μ_1 = 1.1600		cosh μ_2 = 1.4000
α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2	α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	19.66	15.00	11.88	0.3289E 00	0.28536E 03	15.00	144.25	15.00	128.37	0.8114E-01	0.61949E 00
15.00	19.66	30.00	5.85	0.8410E-01	0.11220E 04	15.00	144.25	30.00	90.89	0.3941E-01	0.24357E 01
15.00	19.66	45.00	3.79	0.3847E-01	0.24529E 04	15.00	144.25	45.00	66.62	0.2018E-01	0.53249E 01
15.00	19.66	60.00	2.72	0.2234E-01	0.41873E 04	15.00	144.25	60.00	50.48	0.1184E-01	0.90903E 01
15.00	19.66	75.00	2.04	0.1520E-01	0.62071E 04	15.00	144.25	75.00	39.06	0.7991E-02	0.13475E 02
15.00	19.66	78.53	2.03	0.1502E-01	0.62823E 04	15.00	144.25	78.46	36.87	0.7403E-02	0.14544E 02
30.00	9.73	15.00	11.88	0.7409E 00	0.28536E 03	30.00	113.44	15.00	128.37	0.2175E 00	0.61949E 00
30.00	9.73	30.00	5.85	0.2707E 00	0.11220E 04	30.00	113.44	30.00	90.89	0.1227E 00	0.24357E 01
30.00	9.73	45.00	3.79	0.1248E 00	0.24529E 04	30.00	113.44	45.00	66.62	0.6695E-01	0.53249E 01
30.00	9.73	60.00	2.72	0.7311E-01	0.41873E 04	30.00	113.44	60.00	50.48	0.3983E-01	0.90903E 01
30.00	9.73	75.00	2.04	0.4932E-01	0.62071E 04	30.00	113.44	75.00	39.06	0.2687E-01	0.13475E 02
30.00	9.73	78.53	2.03	0.4873E-01	0.62823E 04	30.00	113.44	78.46	36.87	0.2489E-01	0.14544E 02
45.00	6.31	15.00	11.88	0.7830E 00	0.28536E 03	45.00	89.17	15.00	128.37	0.2955E 00	0.61949E 00
45.00	6.31	30.00	5.85	0.4158E 00	0.11220E 04	45.00	89.17	30.00	90.89	0.1903E 00	0.24357E 01
45.00	6.31	45.00	3.79	0.2081E 00	0.24529E 04	45.00	89.17	45.00	66.62	0.1124E 00	0.53249E 01
45.00	6.31	60.00	2.72	0.1229E 00	0.41873E 04	45.00	89.17	60.00	50.48	0.6870E-01	0.90903E 01
45.00	6.31	75.00	2.04	0.8252E-01	0.62071E 04	45.00	89.17	75.00	39.06	0.4639E-01	0.13475E 02
45.00	6.31	78.53	2.03	0.8154E-01	0.62823E 04	45.00	89.17	78.46	36.87	0.4298E-01	0.14544E 02
60.00	4.53	15.00	11.88	0.7841E 00	0.28536E 03	60.00	70.53	15.00	128.37	0.3153E 00	0.61949E 00
60.00	4.53	30.00	5.85	0.4637E 00	0.11220E 04	60.00	70.53	30.00	90.89	0.2211E 00	0.24357E 01
60.00	4.53	45.00	3.79	0.2559E 00	0.24529E 04	60.00	70.53	45.00	66.62	0.1394E 00	0.53249E 01
60.00	4.53	60.00	2.72	0.1536E 00	0.41873E 04	60.00	70.53	60.00	50.48	0.8791E-01	0.90903E 01
60.00	4.53	75.00	2.04	0.1036E 00	0.62071E 04	60.00	70.53	75.00	39.06	0.5960E-01	0.13475E 02
60.00	4.53	78.53	2.03	0.1024E 00	0.62823E 04	60.00	70.53	78.46	36.87	0.5522E-01	0.14544E 02
75.00	3.41	15.00	11.88	0.7841E 00	0.28536E 03	75.00	56.03	15.00	128.37	0.3162E 00	0.61949E 00
75.00	3.41	30.00	5.85	0.4707E 00	0.11220E 04	75.00	56.03	30.00	90.89	0.2281E 00	0.24357E 01
75.00	3.41	45.00	3.79	0.2727E 00	0.24529E 04	75.00	56.03	45.00	66.62	0.1493E 00	0.53249E 01
75.00	3.41	60.00	2.72	0.1674E 00	0.41873E 04	75.00	56.03	60.00	50.48	0.9636E-01	0.90903E 01
75.00	3.41	75.00	2.04	0.1132E 00	0.62071E 04	75.00	56.03	75.00	39.06	0.6569E-01	0.13475E 02
75.00	3.41	78.53	2.03	0.1119E 00	0.62823E 04	75.00	56.03	78.46	36.87	0.6086E-01	0.14544E 02
90.00	2.61	15.00	11.88	0.7841E 00	0.28535E 03	90.00	44.42	15.00	128.37	0.3162E 00	0.61949E 00
90.00	2.61	30.00	5.85	0.4709E 00	0.11220E 04	90.00	44.42	30.00	90.89	0.2284E 00	0.24357E 01
90.00	2.61	45.00	3.79	0.2755E 00	0.24529E 04	90.00	44.42	45.00	66.62	0.1508E 00	0.53249E 01
90.00	2.61	60.00	2.72	0.1710E 00	0.41873E 04	90.00	44.42	60.00	50.48	0.9830E-01	0.90903E 01
90.00	2.61	75.00	2.04	0.1159E 00	0.62071E 04	90.00	44.42	75.00	39.06	0.6726E-01	0.13475E 02
90.00	2.61	78.53	2.03	0.1146E 00	0.62823E 04	90.00	44.42	78.46	36.87	0.6232E-01	0.14544E 02
104.47	2.03	15.00	11.88	0.7841E 00	0.28535E 03	101.54	36.87	15.00	128.37	0.3162E 00	0.61949E 00
104.47	2.03	30.00	5.85	0.4709E 00	0.11220E 04	101.54	36.87	30.00	90.89	0.2284E 00	0.24357E 01
104.47	2.03	45.00	3.79	0.2755E 00	0.24529E 04	101.54	36.87	45.00	66.62	0.1508E 00	0.53249E 01
104.47	2.03	60.00	2.72	0.1712E 00	0.41873E 04	101.54	36.87	60.00	50.48	0.9838E-01	0.90903E 01
104.47	2.03	75.00	2.04	0.1161E 00	0.62071E 04	101.54	36.87	75.00	39.06	0.6735E-01	0.13475E 02
104.47	2.03	78.53	2.03	0.1147E 00	0.62823E 04	101.54	36.87	78.46	36.87	0.6240E-01	0.14544E 02

r_2/r_1 = 0.60	d/r_1 = 3.000		cosh μ_1 = 1.6067		cosh μ_2 = 2.3222	r_2/r_1 = 0.60	d/r_1 = 5.000		cosh μ_1 = 2.5640		cosh μ_2 = 4.0600
15.00	156.42	15.00	149.47	0.1075E-01	0.13538E 00	15.00	160.78	15.00	157.52	0.1971E-02	0.38409E-01
15.00	156.42	30.00	121.90	0.8370E-02	0.53231E 00	15.00	160.78	30.00	135.95	0.1743E-02	0.15102E 00
15.00	156.42	45.00	98.70	0.5956E-02	0.11637E 01	15.00	160.78	45.00	115.97	0.1438E-02	0.33015E 00
15.00	156.42	60.00	79.76	0.4057E-02	0.19866E 01	15.00	160.78	60.00	97.85	0.1120E-02	0.56361E 00
15.00	156.42	75.00	64.32	0.2768E-02	0.29449E 01	15.00	160.78	75.00	81.61	0.8306E-03	0.83547E 00
15.00	156.42	82.34	57.77	0.2367E-02	0.34435E 01	15.00	160.78	85.41	71.34	0.6701E-03	0.10370E 01
30.00	133.98	15.00	149.47	0.3614E-01	0.13538E 00	30.00	141.68	15.00	157.52	0.7073E-02	0.38409E-01
30.00	133.98	30.00	121.90	0.2858E-01	0.53231E 00	30.00	141.68	30.00	135.95	0.6266E-02	0.15102E 00
30.00	133.98	45.00	98.70	0.2064E-01	0.11637E 01	30.00	141.68	45.00	115.97	0.5182E-02	0.33015E 00
30.00	133.98	60.00	79.76	0.1422E-01	0.19866E 01	30.00	141.68	60.00	97.85	0.4047E-02	0.56361E 00
30.00	133.98	75.00	64.32	0.9762E-02	0.29449E 01	30.00	141.98	75.00	81.61	0.3007E-02	0.83547E 00
30.00	133.98	82.34	57.77	0.8348E-02	0.34435E 01	30.00	141.98	85.41	71.34	0.2429E-02	0.10370E 01
45.00	113.42	15.00	149.47	0.6243E-01	0.13538E 00	45.00	123.92	15.00	157.52	0.1333E-01	0.38409E-01
45.00	113.42	30.00	121.90	0.5029E-01	0.53231E 00	45.00	123.92	30.00	135.95	0.1184E-01	0.15102E 00
45.00	113.42	45.00	98.70	0.3702E-01	0.11637E 01	45.00	123.92	45.00	115.97	0.9823E-02	0.33015E 00
45.00	113.42	60.00	79.76	0.2590E-01	0.19866E 01	45.00	123.92	60.00	97.85	0.7699E-02	0.56361E 00
45.00	113.42	75.00	64.32	0.1794E-01	0.29449E 01	45.00	123.52	75.00	81.61	0.5740E-02	0.83547E 00
45.00	113.42	82.34	57.77	0.1534E-01	0.34435E 01	45.00	123.52	85.41	71.34	0.4643E-02	0.10370E 01
60.00	95.07	15.00	149.47	0.7949E-01	0.13538E 00	60.00	106.82	15.00	157.52	0.1859E-01	0.38409E-01
60.00	95.07	30.00	121.90	0.6516E-01	0.53231E 00	60.00	106.82	30.00	135.95	0.1656E-01	0.15102E 00
60.00	95.07	45.00	98.70	0.4890E-01	0.11637E 01	60.00	106.82	45.00	115.97	0.1380E-01	0.33015E 00
60.00	95.07	60.00	79.76	0.3476E-01	0.19866E 01	60.00	106.82	60.00	97.85	0.1086E-01	0.56361E 00
60.00	95.07	75.00	64.32	0.2431E-01	0.29449E 01	60.00	106.82	75.00	81.61	0.8127E-02	0.83547E 00
60.00	95.07	82.34	57.77	0.2079E-01	0.34435E 01	60.00	106.82	85.41	71.34	0.6583E-02	0.10370E 01
75.00	78.85	15.00	149.47	0.8445E-01	0.13538E 00	75.00	90.77	15.00	157.52	0.2137E-01	0.38409E-01
75.00	78.85	30.00	121.90	0.7046E-01	0.53231E 00	75.00	90.77	30.00	135.95	0.1910E-01	0.15102E 00
75.00	78.85	45.00	98.70	0.5386E-01	0.11637E 01	75.00	90.77	45.00	115.97	0.1598E-01	0.33015E 00
75.00	78.85	60.00	79.76	0.3885E-01	0.19866E 01	75.00	90.77	60.00	97.85	0.1263E-01	0.56361E 00
75.00	78.85	75.00	64.32	0.2738E-01	0.29449E 01	75.00	90.77	75.00	81.61	0.9490E-02	0.83547E 00
75.00	78.85	82.34	57.77	0.2343E-01	0.34435E 01	75.00	90.77	85.41	71.34	0.7696E-02	0.10370E 01
90.00	64.49	15.00	149.47	0.8450E-01	0.13538E 00	90.00	75.74	15.00	157.52	0.2168E-01	0.38409E-01
90.00	64.49	30.00	121.90	0.7085E-01	0.53231E 00	90.00	75.74	30.00	135.95	0.1944E-01	0.15102E 00
90.00	64.49	45.00	98.70	0.5458E-01	0.11637E 01	90.00	75.74	45.00	115.97	0.1634E-01	0.33015E 00
90.00	64.49	60.00	79.76	0.3965E-01	0.19866E 01	90.00	75.74	60.00	97.85	0.1297E-01	0.56361E 00
90.00	64.49	75.00	64.32	0.2806E-01	0.29449E 01	90.00	75.74	75.00	81.61	0.9777E-02	0.83547E 00
90.00	64.49	82.34	57.77	0.2402E-01	0.34435E 01	90.00	75.74	85.41	71.34	0.7935E-02	0.10370E 01
97.66	57.77	15.00	149.47	0.8450E-01	0.13538E 00	94.59	71.34	15.00	157.52	0.2168E-01	0.38409E-01
97.66	57.77	30.00	121.90	0.7085E-01	0.53231E 00	94.59	71.34	30.00	135.95	0.1944E-01	0.15102E 00
97.66	57.77	45.00	98.70	0.5458E-01	0.11637E 01	94.59	71.34	45.00	115.97	0.1634E-01	0.33015E 00
97.66	57.77	60.00	79.76	0.3966E-01	0.19866E 01	94.59	71.34	60.00	97.85	0.1297E-01	0.56361E 00
97.66	57.77	75.00	64.32	0.2808E-01	0.29449E 01	94.59	71.34	75.00	81.61	0.9779E-02	0.83547E 00
97.66	57.77	82.34	57.77	0.2404E-01	0.34435E 01	94.59	71.34	85.41	71.34	0.7936E-02	0.10370E 01

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(g) Continued. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5457$ $\cosh \mu_2 = 5.7571$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	162.17	15.00	160.04	0.7943E-03	0.18501E-01
15.00	162.17	30.00	140.60	0.7229E-03	0.72743E-01
15.00	162.17	45.00	122.07	0.6206E-03	0.15903E 00
15.00	162.17	60.00	104.70	0.5049E-03	0.27148E 00
15.00	162.17	75.00	88.57	0.3900E-03	0.40243E 00
15.00	162.17	86.72	76.79	0.3102E-03	0.51193E 00
30.00	144.58	15.00	160.04	0.2894E-02	0.18501E-01
30.00	144.58	30.00	140.60	0.2636E-02	0.72743E-01
30.00	144.58	45.00	122.07	0.2265E-02	0.15903E 00
30.00	144.58	60.00	104.70	0.1844E-02	0.27148E 00
30.00	144.58	75.00	88.57	0.1426E-02	0.40243E 00
30.00	144.58	86.72	76.79	0.1135E-02	0.51193E 00
45.00	127.45	15.00	160.04	0.5579E-02	0.18501E-01
45.00	127.45	30.00	140.60	0.5085E-02	0.72743E-01
45.00	127.45	45.00	122.07	0.4375E-02	0.15903E 00
45.00	127.45	60.00	104.70	0.3568E-02	0.27148E 00
45.00	127.45	75.00	88.57	0.2762E-02	0.40243E 00
45.00	127.45	86.72	76.79	0.2201E-02	0.51193E 00
60.00	110.94	15.00	160.04	0.7990E-02	0.18501E-01
60.00	110.94	30.00	140.60	0.7291E-02	0.72743E-01
60.00	110.94	45.00	122.07	0.6283E-02	0.15903E 00
60.00	110.94	60.00	104.70	0.5132E-02	0.27148E 00
60.00	110.94	75.00	88.57	0.3981E-02	0.40243E 00
60.00	110.94	86.72	76.79	0.3175E-02	0.51193E 00
75.00	95.11	15.00	160.04	0.9443E-02	0.18501E-01
75.00	95.11	30.00	140.60	0.8626E-02	0.72743E-01
75.00	95.11	45.00	122.07	0.7446E-02	0.15903E 00
75.00	95.11	60.00	104.70	0.6094E-02	0.27148E 00
75.00	95.11	75.00	88.57	0.4736E-02	0.40243E 00
75.00	95.11	86.72	76.79	0.3782E-02	0.51193E 00
90.00	80.00	15.00	160.04	0.9706E-02	0.18501E-01
90.00	80.00	30.00	140.60	0.8883E-02	0.72743E-01
90.00	80.00	45.00	122.07	0.7687E-02	0.15903E 00
90.00	80.00	60.00	104.70	0.6306E-02	0.27148E 00
90.00	80.00	75.00	88.57	0.4910E-02	0.40243E 00
90.00	80.00	86.72	76.79	0.3923E-02	0.51193E 00
93.28	76.79	15.00	160.04	0.9706E-02	0.18501E-01
93.28	76.79	30.00	140.60	0.8883E-02	0.72743E-01
93.28	76.79	45.00	122.07	0.7687E-02	0.15903E 00
93.28	76.79	60.00	104.70	0.6307E-02	0.27148E 00
93.28	76.79	75.00	88.57	0.4911E-02	0.40243E 00
93.28	76.79	86.72	76.79	0.3924E-02	0.51193E 00

$r_2/r_1 = 0.60$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0320$ $\cosh \mu_2 = 8.2800$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	163.69	15.00	161.70	0.3312E-03	0.88029E-02
15.00	163.69	30.00	143.71	0.3063E-03	0.34612E-01
15.00	163.69	45.00	126.26	0.2693E-03	0.75667E-01
15.00	163.69	60.00	109.54	0.2251E-03	0.12917E 00
15.00	163.69	75.00	93.63	0.1788E-03	0.19148E 00
15.00	163.69	87.71	80.79	0.1414E-03	0.24801E 00
30.00	146.34	15.00	161.70	0.1218E-02	0.88029E-02
30.00	146.34	30.00	143.71	0.1126E-02	0.34612E-01
30.00	146.34	45.00	126.26	0.9905E-03	0.75667E-01
30.00	146.34	60.00	109.54	0.8284E-03	0.12917E 00
30.00	146.34	75.00	93.63	0.6582E-03	0.19148E 00
30.00	146.34	87.71	80.79	0.5210E-03	0.24801E 00
45.00	125.87	15.00	161.70	0.2379E-02	0.88029E-02
45.00	125.87	30.00	143.71	0.2201E-02	0.34612E-01
45.00	125.87	45.00	126.26	0.1937E-02	0.75667E-01
45.00	125.87	60.00	109.54	0.1621E-02	0.12917E 00
45.00	125.87	75.00	93.63	0.1289E-02	0.19148E 00
45.00	125.87	87.71	80.79	0.1021E-02	0.24801E 00
60.00	113.80	15.00	161.70	0.3464E-02	0.88029E-02
60.00	113.80	30.00	143.71	0.3207E-02	0.34612E-01
60.00	113.80	45.00	126.26	0.2823E-02	0.75667E-01
60.00	113.80	60.00	109.54	0.2364E-02	0.12917E 00
60.00	113.80	75.00	93.63	0.1881E-02	0.19148E 00
60.00	113.80	87.71	80.79	0.1491E-02	0.24801E 00
75.00	98.19	15.00	161.70	0.4167E-02	0.88029E-02
75.00	98.19	30.00	143.71	0.3859E-02	0.34612E-01
75.00	98.19	45.00	126.26	0.3400E-02	0.75667E-01
75.00	98.19	60.00	109.54	0.2849E-02	0.12917E 00
75.00	98.19	75.00	93.63	0.2269E-02	0.19148E 00
75.00	98.19	87.71	80.79	0.1800E-02	0.24801E 00
90.00	83.06	15.00	161.70	0.4333E-02	0.88029E-02
90.00	83.06	30.00	143.71	0.4017E-02	0.34612E-01
90.00	83.06	45.00	126.26	0.3543E-02	0.75667E-01
90.00	83.06	60.00	109.54	0.2973E-02	0.12917E 00
90.00	83.06	75.00	93.63	0.2370E-02	0.19148E 00
90.00	83.06	87.71	80.79	0.1881E-02	0.24801E 00
92.29	80.79	15.00	161.70	0.4333E-02	0.88029E-02
92.29	80.79	30.00	143.71	0.4017E-02	0.34612E-01
92.29	80.79	45.00	126.26	0.3543E-02	0.75667E-01
92.29	80.79	60.00	109.54	0.2973E-02	0.12917E 00
92.29	80.79	75.00	93.63	0.2370E-02	0.19148E 00
92.29	80.79	87.71	80.79	0.1881E-02	0.24801E 00

$r_2/r_1 = 0.60$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0160$ $\cosh \mu_2 = 16.6400$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.08	15.00	163.44	0.6958E-04	0.21556E-02
15.00	164.08	30.00	147.00	0.6530E-04	0.84755E-02
15.00	164.08	45.00	130.80	0.5869E-04	0.18529E-01
15.00	164.08	60.00	114.91	0.5041E-04	0.31631E-01
15.00	164.08	75.00	99.39	0.4123E-04	0.46888E-01
15.00	164.08	88.85	85.41	0.3263E-04	0.61997E-01
30.00	148.23	15.00	163.44	0.2580E-03	0.21556E-02
30.00	148.23	30.00	147.00	0.2421E-03	0.84755E-02
30.00	148.23	45.00	130.80	0.2176E-03	0.18529E-01
30.00	148.23	60.00	114.91	0.1869E-03	0.31631E-01
30.00	148.23	75.00	99.39	0.1529E-03	0.46888E-01
30.00	148.23	88.85	85.41	0.1210E-03	0.61997E-01
45.00	132.51	15.00	163.44	0.5105E-03	0.21556E-02
45.00	132.51	30.00	147.00	0.4792E-03	0.84755E-02
45.00	132.51	45.00	130.80	0.4307E-03	0.18529E-01
45.00	132.51	60.00	114.91	0.3701E-03	0.31631E-01
45.00	132.51	75.00	99.39	0.3027E-03	0.46888E-01
45.00	132.51	88.85	85.41	0.2396E-03	0.61997E-01
60.00	116.97	15.00	163.44	0.7555E-03	0.21556E-02
60.00	116.97	30.00	147.00	0.7091E-03	0.84755E-02
60.00	116.97	45.00	130.80	0.6375E-03	0.18529E-01
60.00	116.97	60.00	114.91	0.5478E-03	0.31631E-01
60.00	116.97	75.00	99.39	0.4482E-03	0.46888E-01
60.00	116.97	88.85	85.41	0.3548E-03	0.61997E-01
75.00	101.65	15.00	163.44	0.9253E-03	0.21556E-02
75.00	101.65	30.00	147.00	0.8686E-03	0.84755E-02
75.00	101.65	45.00	130.80	0.7810E-03	0.18529E-01
75.00	101.65	60.00	114.91	0.6712E-03	0.31631E-01
75.00	101.65	75.00	99.39	0.5493E-03	0.46888E-01
75.00	101.65	88.85	85.41	0.4349E-03	0.61997E-01
90.00	86.55	15.00	163.44	0.9766E-03	0.21556E-02
90.00	86.55	30.00	147.00	0.9170E-03	0.84755E-02
90.00	86.55	45.00	130.80	0.8247E-03	0.18529E-01
90.00	86.55	60.00	114.91	0.7090E-03	0.31631E-01
90.00	86.55	75.00	99.39	0.5804E-03	0.46888E-01
90.00	86.55	88.85	85.41	0.4596E-03	0.61997E-01
91.15	85.41	15.00	163.44	0.9766E-03	0.21556E-02
91.15	85.41	30.00	147.00	0.9170E-03	0.84755E-02
91.15	85.41	45.00	130.80	0.8247E-03	0.18529E-01
91.15	85.41	60.00	114.91	0.7090E-03	0.31631E-01
91.15	85.41	75.00	99.39	0.5804E-03	0.46888E-01
91.15	85.41	88.85	85.41	0.4596E-03	0.61997E-01

$r_2/r_1 = 0.60$ $d/r_1 = 50.00$ $\cosh \mu_1 = 25.0064$ $\cosh \mu_2 = 41.6560$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.64	15.00	164.40	0.1010E-04	0.34292E-03
15.00	164.64	30.00	148.83	0.9543E-05	0.13483E-02
15.00	164.64	45.00	133.36	0.8672E-05	0.29477E-02
15.00	164.64	60.00	118.00	0.7555E-05	0.50320E-02
15.00	164.64	75.00	102.77	0.6278E-05	0.74593E-02
15.00	164.64	89.54	88.17	0.4978E-05	0.99835E-02
30.00	149.30	15.00	164.40	0.3758E-04	0.34292E-03
30.00	149.30	30.00	148.83	0.3553E-04	0.13483E-02
30.00	149.30	45.00	133.36	0.3229E-04	0.29477E-02
30.00	149.30	60.00	118.00	0.2813E-04	0.50320E-02
30.00	149.30	75.00	102.77	0.2337E-04	0.74593E-02
30.00	149.30	89.54	88.17	0.1853E-04	0.99835E-02
45.00	134.02	15.00	164.40	0.7487E-04	0.34292E-03
45.00	134.02	30.00	148.83	0.7077E-04	0.13483E-02
45.00	134.02	45.00	133.36	0.6432E-04	0.29477E-02
45.00	134.02	60.00	118.00	0.5603E-04	0.50320E-02
45.00	134.02	75.00	102.77	0.4656E-04	0.74593E-02
45.00	134.02	89.54	88.17	0.3693E-04	0.99835E-02
60.00	118.80	15.00	164.40	0.1117E-03	0.34292E-03
60.00	118.80	30.00	148.83	0.1056E-03	0.13483E-02
60.00	118.80	45.00	133.36	0.9598E-04	0.29477E-02
60.00	118.80	60.00	118.00	0.8362E-04	0.50320E-02
60.00	118.80	75.00	102.77	0.6949E-04	0.74593E-02
60.00	118.80	89.54	88.17	0.5511E-04	0.99835E-02
75.00	103.67	15.00	164.40	0.1382E-03	0.34292E-03
75.00	103.67	30.00	148.83	0.1306E-03	0.13483E-02
75.00	103.67	45.00	133.36	0.1187E-03	0.29477E-02
75.00	103.67	60.00	118.00	0.1034E-03	0.50320E-02
75.00	103.67	75.00	102.77	0.8594E-04	0.74593E-02
75.00	103.67	89.54	88.17	0.6816E-04	0.99835E-02
90.00	88.62	15.00	164.40	0.1472E-03	0.34292E-03
90.00	88.62	30.00	148.83	0.1391E-03	0.13483E-02
90.00	88.62	45.00	133.36	0.1264E-03	0.29477E-02
90.00	88.62	60.00	118.00	0.1102E-03	0.50320E-02
90.00	88.62	75.00	102.77	0.9155E-04	0.74593E-02
90.00	88.62	89.54	88.17	0.7261E-04	0.99835E-02
90.46	88.17	15.00	164.40	0.1472E-03	0.34292E-03
90.46	88.17	30.00	148.83	0.1391E-03	0.13483E-02
90.46	88.17	45.00	133.36	0.1264E-03	0.29477E-02
90.46	88.17	60.00	118.00	0.1102E-03	0.50320E-02
90.46	88.17	75.00	102.77	0.9155E-04	0.74593E-02
90.46	88.17	89.54	88.17	0.7261E-04	0.99835E-02

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(g) Concluded. Radius ratio, r_2/r_1, 0.60

$r_2/r_1 = 0.60$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0032$ $\cosh \mu_2 = 83.3280$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.82	15.00	164.70	0.2445E-05	0.85663E-04
15.00	164.82	30.00	149.42	0.2316E-05	0.33681E-03
15.00	164.82	45.00	134.18	0.2112E-05	0.73632E-03
15.00	164.82	60.00	119.00	0.1848E-05	0.12570E-02
15.00	164.82	75.00	103.89	0.1543E-05	0.18633E-02
15.00	164.82	89.77	89.08	0.1225E-05	0.25039E-02
30.00	149.65	15.00	164.70	0.9115E-05	0.85663E-04
30.00	149.65	30.00	149.42	0.8634E-05	0.33681E-03
30.00	149.65	45.00	134.18	0.7874E-05	0.73632E-03
30.00	149.65	60.00	119.00	0.6889E-05	0.12570E-02
30.00	149.65	75.00	103.89	0.5753E-05	0.18633E-02
30.00	149.65	89.77	89.08	0.4566E-05	0.25039E-02
45.00	134.51	15.00	164.70	0.1819E-04	0.85663E-04
45.00	134.51	30.00	149.42	0.1724E-04	0.33681E-03
45.00	134.51	45.00	134.18	0.1572E-04	0.73632E-03
45.00	134.51	60.00	119.00	0.1375E-04	0.12570E-02
45.00	134.51	75.00	103.89	0.1148E-04	0.18633E-02
45.00	134.51	89.77	89.08	0.9115E-05	0.25039E-02
60.00	119.40	15.00	164.70	0.2722E-04	0.85663E-04
60.00	119.40	30.00	149.42	0.2579E-04	0.33681E-03
60.00	119.40	45.00	134.18	0.2352E-04	0.73632E-03
60.00	119.40	60.00	119.00	0.2058E-04	0.12570E-02
60.00	119.40	75.00	103.89	0.1718E-04	0.18633E-02
60.00	119.40	89.77	89.08	0.1364E-04	0.25039E-02
75.00	104.33	15.00	164.70	0.3377E-04	0.85663E-04
75.00	104.33	30.00	149.42	0.3199E-04	0.33681E-03
75.00	104.33	45.00	134.18	0.2917E-04	0.73632E-03
75.00	104.33	60.00	119.00	0.2552E-04	0.12570E-02
75.00	104.33	75.00	103.89	0.2131E-04	0.18633E-02
75.00	104.33	89.77	89.08	0.1692E-04	0.25039E-02
90.00	89.31	15.00	164.70	0.3608E-04	0.85663E-04
90.00	89.31	30.00	149.42	0.3418E-04	0.33681E-03
90.00	89.31	45.00	134.18	0.3117E-04	0.73632E-03
90.00	89.31	60.00	119.00	0.2727E-04	0.12570E-02
90.00	89.31	75.00	103.89	0.2277E-04	0.18633E-02
90.00	89.31	89.77	89.08	0.1808E-04	0.25039E-02
90.23	89.08	15.00	164.70	0.3608E-04	0.85663E-04
90.23	89.08	30.00	149.42	0.3418E-04	0.33681E-03
90.23	89.08	45.00	134.18	0.3117E-04	0.73632E-03
90.23	89.08	60.00	119.00	0.2727E-04	0.12570E-02
90.23	89.08	75.00	103.89	0.2277E-04	0.18633E-02
90.23	89.08	89.77	89.08	0.1808E-04	0.25039E-02

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(h) Radius ratio, r_2/r_1, 0.70

$r_2/r_1 = 0.70$ $d/r_1 = 1.701$ $\cosh \mu_1 = 1.0004$ $\cosh \mu_2 = 1.0008$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	17.69	15.00	12.44	0.4399E 00	0.25989E 03
15.00	17.69	30.00	6.13	0.1137E 00	0.10219E 04
15.00	17.69	45.00	3.97	0.5200E-01	0.22340E 04
15.00	17.69	60.00	2.85	0.3046E-01	0.38136E 04
15.00	17.69	75.00	2.14	0.2055E-01	0.56531E 04
15.00	17.69	79.84	1.96	0.1849E-01	0.62820E 04
30.00	8.75	15.00	12.44	0.8005E 00	0.25989E 03
30.00	8.75	30.00	6.13	0.3486E 00	0.10219E 04
30.00	8.75	45.00	3.97	0.1632E 00	0.22340E 04
30.00	8.75	60.00	2.85	0.9559E-01	0.38136E 04
30.00	8.75	75.00	2.14	0.6448E-01	0.56531E 04
30.00	8.75	79.84	1.96	0.5803E-01	0.62820E 04
45.00	5.66	15.00	12.44	0.8196E 00	0.25989E 03
45.00	5.66	30.00	6.13	0.4916E 00	0.10219E 04
45.00	5.66	45.00	3.97	0.2608E 00	0.22340E 04
45.00	5.66	60.00	2.85	0.1547E 00	0.38136E 04
45.00	5.66	75.00	2.14	0.1044E 00	0.56531E 04
45.00	5.66	79.84	1.96	0.9391E-01	0.62820E 04
60.00	4.07	15.00	12.44	0.8194E 00	0.25989E 03
60.00	4.07	30.00	6.13	0.5232E 00	0.10219E 04
60.00	4.07	45.00	3.97	0.3074E 00	0.22340E 04
60.00	4.07	60.00	2.85	0.1886E 00	0.38136E 04
60.00	4.07	75.00	2.14	0.1275E 00	0.56531E 04
60.00	4.07	79.84	1.96	0.1148E 00	0.62820E 04
75.00	3.06	15.00	12.44	0.8194E 00	0.25989E 03
75.00	3.06	30.00	6.13	0.5255E 00	0.10219E 04
75.00	3.06	45.00	3.97	0.3200E 00	0.22340E 04
75.00	3.06	60.00	2.85	0.2014E 00	0.38136E 04
75.00	3.06	75.00	2.14	0.1369E 00	0.56531E 04
75.00	3.06	79.84	1.96	0.1232E 00	0.62820E 04
90.00	2.35	15.00	12.44	0.8194E 00	0.25989E 03
90.00	2.35	30.00	6.13	0.5255E 00	0.10219E 04
90.00	2.35	45.00	3.97	0.3211E 00	0.22340E 04
90.00	2.35	60.00	2.85	0.2038E 00	0.38136E 04
90.00	2.35	75.00	2.14	0.1398E 00	0.56531E 04
90.00	2.35	79.84	1.96	0.1251E 00	0.62820E 04
100.16	1.96	15.00	12.44	0.8194E 00	0.25989E 03
100.16	1.96	30.00	6.13	0.5255E 00	0.10219E 04
100.16	1.96	45.00	3.97	0.3211E 00	0.22340E 04
100.16	1.96	60.00	2.85	0.2039E 00	0.38136E 04
100.16	1.96	75.00	2.14	0.1391E 00	0.56531E 04
100.16	1.96	79.84	1.96	0.1252E 00	0.62820E 04

$r_2/r_1 = 0.70$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.1275$ $\cosh \mu_2 = 1.2464$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	136.65	15.00	123.46	0.1481E 00	0.78927E 00
15.00	136.65	30.00	84.83	0.6445E-01	0.31033E 01
15.00	136.65	45.00	61.17	0.3152E-01	0.67844E 01
15.00	136.65	60.00	45.96	0.1847E-01	0.11582E 02
15.00	136.65	75.00	35.39	0.1246E-01	0.17168E 02
15.00	136.65	81.37	31.79	0.1086E-01	0.19689E 02
30.00	102.05	15.00	123.46	0.3450E 00	0.78927E 00
30.00	102.05	30.00	84.83	0.1905E 00	0.31033E 01
30.00	102.05	45.00	61.17	0.1015E 00	0.67844E 01
30.00	102.05	60.00	45.96	0.6020E-01	0.11582E 02
30.00	102.05	75.00	35.39	0.4061E-01	0.17168E 02
30.00	102.05	81.37	31.79	0.3541E-01	0.19689E 02
45.00	77.29	15.00	123.46	0.4204E 00	0.78927E 00
45.00	77.29	30.00	84.83	0.2763E 00	0.31033E 01
45.00	77.29	45.00	61.17	0.1632E 00	0.67844E 01
45.00	77.29	60.00	45.96	0.1001E 00	0.11582E 02
45.00	77.29	75.00	35.39	0.6762E-01	0.17168E 02
45.00	77.29	81.37	31.79	0.5896E-01	0.19689E 02
60.00	55.68	15.00	123.46	0.4303E 00	0.78927E 00
60.00	55.68	30.00	84.83	0.3065E 00	0.31033E 01
60.00	55.68	45.00	61.17	0.1952E 00	0.67844E 01
60.00	55.68	60.00	45.96	0.1242E 00	0.11582E 02
60.00	55.68	75.00	35.39	0.8445E-01	0.17168E 02
60.00	59.68	81.37	31.79	0.7364E-01	0.19689E 02
75.00	46.69	15.00	123.46	0.4303E 00	0.78927E 00
75.00	46.69	30.00	84.83	0.3108E 00	0.31033E 01
75.00	46.69	45.00	61.17	0.2047E 00	0.67844E 01
75.00	46.69	60.00	45.96	0.1335E 00	0.11582E 02
75.00	46.69	75.00	35.39	0.9144E-01	0.17168E 02
75.00	46.69	81.37	31.79	0.7974E-01	0.19689E 02
90.00	36.65	15.00	123.46	0.4303E 00	0.78927E 00
90.00	36.65	30.00	84.83	0.3109E 00	0.31033E 01
90.00	36.65	45.00	61.17	0.2056E 00	0.67844E 01
90.00	36.65	60.00	45.96	0.1351E 00	0.11582E 02
90.00	36.65	75.00	35.39	0.9291E-01	0.17168E 02
90.00	36.65	81.37	31.79	0.8104E-01	0.19689E 02
98.63	31.79	15.00	123.46	0.4303E 00	0.78927E 00
98.63	31.79	30.00	84.83	0.3109E 00	0.31033E 01
98.63	31.79	45.00	61.17	0.2056E 00	0.67844E 01
98.63	31.79	60.00	45.96	0.1351E 00	0.11582E 02
98.63	31.79	75.00	35.39	0.9295E-01	0.17168E 02
98.63	31.79	81.37	31.79	0.8108E-01	0.19689E 02

$r_2/r_1 = 0.70$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.5850$ $\cosh \mu_2 = 2.0214$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	154.48	15.00	149.06	0.1661E-01	0.14158E 00
15.00	154.48	30.00	121.22	0.1274E-01	0.55665E 00
15.00	154.48	45.00	97.91	0.8918E-02	0.12170E 01
15.00	154.48	60.00	78.97	0.6000E-02	0.20775E 01
15.00	154.48	75.00	63.59	0.4082E-02	0.30796E 01
15.00	154.48	84.26	55.48	0.3361E-02	0.37394E 01
30.00	130.52	15.00	149.06	0.5413E-01	0.14158E 00
30.00	130.52	30.00	121.22	0.4241E-01	0.55665E 00
30.00	130.52	45.00	97.91	0.3031E-01	0.12170E 01
30.00	130.52	60.00	78.97	0.2070E-01	0.20775E 01
30.00	130.52	75.00	63.59	0.1419E-01	0.30796E 01
30.00	130.52	84.26	55.48	0.1169E-01	0.37394E 01
45.00	109.07	15.00	149.06	0.9004E-01	0.14158E 00
45.00	109.07	30.00	121.22	0.7229E-01	0.55665E 00
45.00	109.07	45.00	97.91	0.5299E-01	0.12170E 01
45.00	109.07	60.00	78.97	0.3692E-01	0.20775E 01
45.00	109.07	75.00	63.59	0.2559E-01	0.30796E 01
45.00	109.07	84.26	55.48	0.2107E-01	0.37394E 01
60.00	90.40	15.00	149.06	0.1107E 00	0.14158E 00
60.00	90.40	30.00	121.22	0.9081E-01	0.55665E 00
60.00	90.40	45.00	97.91	0.6816E-01	0.12170E 01
60.00	90.40	60.00	78.97	0.4844E-01	0.20775E 01
60.00	90.40	75.00	63.59	0.3398E-01	0.30796E 01
60.00	90.40	84.26	55.48	0.2798E-01	0.37394E 01
75.00	74.30	15.00	149.06	0.1150E 00	0.14158E 00
75.00	74.30	30.00	121.22	0.9621E-01	0.55665E 00
75.00	74.30	45.00	97.91	0.7370E-01	0.12170E 01
75.00	74.30	60.00	78.97	0.5323E-01	0.20775E 01
75.00	74.30	75.00	63.59	0.3765E-01	0.30796E 01
75.00	74.30	84.26	55.48	0.3105E-01	0.37394E 01
90.00	60.35	15.00	149.06	0.1150E 00	0.14158E 00
90.00	60.35	30.00	121.22	0.9644E-01	0.55665E 00
90.00	60.35	45.00	97.91	0.7429E-01	0.12170E 01
90.00	60.35	60.00	78.97	0.5399E-01	0.20775E 01
90.00	60.35	75.00	63.59	0.3834E-01	0.30796E 01
90.00	60.35	84.26	55.48	0.3164E-01	0.37394E 01
95.74	55.48	15.00	149.06	0.1150E 00	0.14158E 00
95.74	55.48	30.00	121.22	0.9644E-01	0.55665E 00
95.74	55.48	45.00	97.91	0.7429E-01	0.12170E 01
95.74	55.48	60.00	78.97	0.5400E-01	0.20775E 01
95.74	55.48	75.00	63.59	0.3835E-01	0.30796E 01
95.74	55.48	84.26	55.48	0.3164E-01	0.37394E 01

$r_2/r_1 = 0.70$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5510$ $\cosh \mu_2 = 3.4986$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	159.96	15.00	157.47	0.2836E-02	0.38873E-01
15.00	159.96	30.00	135.86	0.2502E-02	0.15284E 00
15.00	159.96	45.00	115.85	0.2058E-02	0.33414E 00
15.00	159.96	60.00	97.72	0.1598E-02	0.57041E 00
15.00	159.96	75.00	81.48	0.1181E-02	0.84555E 00
15.00	159.96	86.56	70.12	0.9326E-03	0.10724E 01
30.00	140.45	15.00	157.47	0.1009E-01	0.38873E-01
30.00	140.45	30.00	135.86	0.8919E-02	0.15284E 00
30.00	140.45	45.00	115.85	0.7358E-02	0.33414E 00
30.00	140.45	60.00	97.72	0.5732E-02	0.57041E 00
30.00	140.45	75.00	81.48	0.4250E-02	0.84555E 00
30.00	140.45	86.56	70.12	0.3360E-02	0.10724E 01
45.00	121.87	15.00	157.47	0.1876E-01	0.38873E-01
45.00	121.87	30.00	135.86	0.1665E-01	0.15284E 00
45.00	121.87	45.00	115.85	0.1379E-01	0.33414E 00
45.00	121.87	60.00	97.72	0.1079E-01	0.57041E 00
45.00	121.87	75.00	81.48	0.8036E-02	0.84555E 00
45.00	121.87	86.56	70.12	0.6364E-02	0.10724E 01
60.00	104.47	15.00	157.47	0.2579E-01	0.38873E-01
60.00	104.47	30.00	135.86	0.2297E-01	0.15284E 00
60.00	104.47	45.00	115.85	0.1912E-01	0.33414E 00
60.00	104.47	60.00	97.72	0.1504E-01	0.57041E 00
60.00	104.47	75.00	81.48	0.1125E-01	0.84555E 00
60.00	104.47	86.56	70.12	0.8927E-02	0.10724E 01
75.00	88.33	15.00	157.47	0.2924E-01	0.38873E-01
75.00	88.33	30.00	135.86	0.2613E-01	0.15284E 00
75.00	88.33	45.00	115.85	0.2186E-01	0.33414E 00
75.00	88.33	60.00	97.72	0.1728E-01	0.57041E 00
75.00	88.33	75.00	81.48	0.1299E-01	0.84555E 00
75.00	88.33	86.56	70.12	0.1032E-01	0.10724E 01
90.00	73.39	15.00	157.47	0.2951E-01	0.38873E-01
90.00	73.39	30.00	135.86	0.2646E-01	0.15284E 00
90.00	73.39	45.00	115.85	0.2224E-01	0.33414E 00
90.00	73.39	60.00	97.72	0.1766E-01	0.57041E 00
90.00	73.39	75.00	81.48	0.1331E-01	0.84555E 00
90.00	73.39	86.56	70.12	0.1059E-01	0.10724E 01
93.44	70.12	15.00	157.47	0.2951E-01	0.38873E-01
93.44	70.12	30.00	135.86	0.2646E-01	0.15284E 00
93.44	70.12	45.00	115.85	0.2224E-01	0.33414E 00
93.44	70.12	60.00	97.72	0.1766E-01	0.57041E 00
93.44	70.12	75.00	81.48	0.1331E-01	0.84555E 00
93.44	70.12	86.56	70.12	0.1059E-01	0.10724E 01

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(h) Continued. Radius ratio, r_2/r_1, 0.70

r_2/r_1 = 0.70 d/r_1 = 7.000 cosh μ_1 = 3.5364 cosh μ_2 = 4.9480

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	161.64	15.00	160.03	0.1120E-02	0.18607E-01
15.00	161.64	30.00	140.57	0.1018E-02	0.73159E-01
15.00	161.64	45.00	122.03	0.8733E-03	0.15994E 00
15.00	161.64	60.00	104.66	0.7095E-03	0.27303E 00
15.00	161.64	75.00	88.52	0.5473E-03	0.40473E 00
15.00	161.64	87.54	75.94	0.4286E-03	0.52266E 00
30.00	143.59	15.00	160.03	0.4061E-02	0.18607E-01
30.00	143.59	30.00	140.57	0.3696E-02	0.73159E-01
30.00	143.59	45.00	122.03	0.3172E-02	0.15994E 00
30.00	143.59	60.00	104.66	0.2580E-02	0.27303E 00
30.00	143.59	75.00	88.52	0.1993E-02	0.40473E 00
30.00	143.59	87.54	75.94	0.1562E-02	0.52266E 00
45.00	126.10	15.00	160.03	0.7770E-02	0.18607E-01
45.00	126.10	30.00	140.57	0.7079E-02	0.73159E-01
45.00	126.10	45.00	122.03	0.6087E-02	0.15994E 00
45.00	126.10	60.00	104.66	0.4959E-02	0.27303E 00
45.00	126.10	75.00	88.52	0.3837E-02	0.40473E 00
45.00	126.10	87.54	75.94	0.3011E-02	0.52266E 00
60.00	109.35	15.00	160.03	0.1103E-01	0.18607E-01
60.00	109.35	30.00	140.57	0.1006E-01	0.73159E-01
60.00	109.35	45.00	122.03	0.8670E-02	0.15994E 00
60.00	109.35	60.00	104.66	0.7079E-02	0.27303E 00
60.00	109.35	75.00	88.52	0.5489E-02	0.40473E 00
60.00	109.35	87.54	75.94	0.4314E-02	0.52266E 00
75.00	93.43	15.00	160.03	0.1292E-01	0.18607E-01
75.00	93.43	30.00	140.57	0.1180E-01	0.73159E-01
75.00	93.43	45.00	122.03	0.1019E-01	0.15994E 00
75.00	93.43	60.00	104.66	0.8337E-02	0.27303E 00
75.00	93.43	75.00	88.52	0.6479E-02	0.40473E 00
75.00	93.43	87.54	75.94	0.5099E-02	0.52266E 00
90.00	78.34	15.00	160.03	0.1321E-01	0.18607E-01
90.00	78.34	30.00	140.57	0.1209E-01	0.73159E-01
90.00	78.34	45.00	122.03	0.1046E-01	0.15994E 00
90.00	78.34	60.00	104.66	0.8584E-02	0.27303E 00
90.00	78.34	75.00	88.52	0.6684E-02	0.40473E 00
90.00	78.34	87.54	75.94	0.5264E-02	0.52266E 00
92.46	75.94	15.00	160.03	0.1321E-01	0.18607E-01
92.46	75.94	30.00	140.57	0.1209E-01	0.73159E-01
92.46	75.94	45.00	122.03	0.1046E-01	0.15994E 00
92.46	75.94	60.00	104.66	0.8584E-02	0.27303E 00
92.46	75.94	75.00	88.52	0.6684E-02	0.40473E 00
92.46	75.94	87.54	75.94	0.5264E-02	0.52266E 00

r_2/r_1 = 0.70 d/r_1 = 10.000 cosh μ_1 = 5.0255 cosh μ_2 = 7.1064

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	162.75	15.00	161.70	0.4612E-03	0.88266E-02
15.00	162.75	30.00	143.70	0.4264E-03	0.34705E-01
15.00	162.75	45.00	126.25	0.3747E-03	0.75871E-01
15.00	162.75	60.00	109.53	0.3130E-03	0.12952E 00
15.00	162.75	75.00	93.62	0.2485E-03	0.19200E 00
15.00	162.75	88.28	80.21	0.1945E-03	0.25127E 00
30.00	145.69	15.00	161.70	0.1691E-02	0.88266E-02
30.00	145.69	30.00	143.70	0.1564E-02	0.34705E-01
30.00	145.69	45.00	126.25	0.1374E-02	0.75871E-01
30.00	145.69	60.00	109.53	0.1149E-02	0.12952E 00
30.00	145.69	75.00	93.62	0.9124E-03	0.19200E 00
30.00	145.69	88.28	80.21	0.7147E-03	0.25127E 00
45.00	128.97	15.00	161.70	0.3289E-02	0.88266E-02
45.00	128.97	30.00	143.70	0.3043E-02	0.34705E-01
45.00	128.97	45.00	126.25	0.2676E-02	0.75871E-01
45.00	128.97	60.00	109.53	0.2239E-02	0.12952E 00
45.00	128.97	75.00	93.62	0.1779E-02	0.19200E 00
45.00	128.97	88.28	80.21	0.1395E-02	0.25127E 00
60.00	112.74	15.00	161.70	0.4763E-02	0.88266E-02
60.00	112.74	30.00	143.70	0.4409E-02	0.34705E-01
60.00	112.74	45.00	126.25	0.3880E-02	0.75871E-01
60.00	112.74	60.00	109.53	0.3249E-02	0.12952E 00
60.00	112.74	75.00	93.62	0.2585E-02	0.19200E 00
60.00	112.74	88.28	80.21	0.2028E-02	0.25127E 00
75.00	97.04	15.00	161.70	0.5696E-02	0.88266E-02
75.00	97.04	30.00	143.70	0.5275E-02	0.34705E-01
75.00	97.04	45.00	126.25	0.4647E-02	0.75871E-01
75.00	97.04	60.00	109.53	0.3894E-02	0.12952E 00
75.00	97.04	75.00	93.62	0.3101E-02	0.19200E 00
75.00	97.04	88.28	80.21	0.2436E-02	0.25127E 00
90.00	81.91	15.00	161.70	0.5898E-02	0.88266E-02
90.00	81.91	30.00	143.70	0.5468E-02	0.34705E-01
90.00	81.91	45.00	126.25	0.4822E-02	0.75871E-01
90.00	81.91	60.00	109.53	0.4047E-02	0.12952E 00
90.00	81.91	75.00	93.62	0.3226E-02	0.19200E 00
90.00	81.91	88.28	80.21	0.2535E-02	0.25127E 00
91.72	80.21	15.00	161.70	0.5898E-02	0.88266E-02
91.72	80.21	30.00	143.70	0.5468E-02	0.34705E-01
91.72	80.21	45.00	126.25	0.4822E-02	0.75871E-01
91.72	80.21	60.00	109.53	0.4047E-02	0.12952E 00
91.72	80.21	75.00	93.62	0.3226E-02	0.19200E 00
91.72	80.21	88.28	80.21	0.2535E-02	0.25127E 00

r_2/r_1 = 0.70 d/r_1 = 20.000 cosh μ_1 = 10.0127 cosh μ_2 = 14.2675

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	163.92	15.00	163.44	0.9571E-04	0.21570E-02
15.00	163.92	30.00	147.00	0.8982E-04	0.84810E-02
15.00	163.92	45.00	130.80	0.8071E-04	0.18541E-01
15.00	163.92	60.00	114.91	0.6932E-04	0.31652E-01
15.00	163.92	75.00	99.39	0.5669E-04	0.46919E-01
15.00	163.92	89.14	85.12	0.4462E-04	0.62354E-01
30.00	147.93	15.00	163.44	0.3544E-03	0.21570E-02
30.00	147.93	30.00	147.00	0.3326E-03	0.84810E-02
30.00	147.93	45.00	130.80	0.2989E-03	0.18541E-01
30.00	147.93	60.00	114.91	0.2567E-03	0.31652E-01
30.00	147.93	75.00	99.39	0.2100E-03	0.46919E-01
30.00	147.93	89.14	85.12	0.1653E-03	0.62354E-01
45.00	132.09	15.00	163.44	0.7001E-03	0.21570E-02
45.00	132.09	30.00	147.00	0.6570E-03	0.84810E-02
45.00	132.09	45.00	130.80	0.5906E-03	0.18541E-01
45.00	132.09	60.00	114.91	0.5073E-03	0.31652E-01
45.00	132.09	75.00	99.39	0.4150E-03	0.46919E-01
45.00	132.09	89.14	85.12	0.3267E-03	0.62354E-01
60.00	116.46	15.00	163.44	0.1034E-02	0.21570E-02
60.00	116.46	30.00	147.00	0.9701E-03	0.84810E-02
60.00	116.46	45.00	130.80	0.8721E-03	0.18541E-01
60.00	116.46	60.00	114.91	0.7493E-03	0.31652E-01
60.00	116.46	75.00	99.39	0.6130E-03	0.46919E-01
60.00	116.46	89.14	85.12	0.4828E-03	0.62354E-01
75.00	101.08	15.00	163.44	0.1262E-02	0.21570E-02
75.00	101.08	30.00	147.00	0.1185E-02	0.84810E-02
75.00	101.08	45.00	130.80	0.1066E-02	0.18541E-01
75.00	101.08	60.00	114.91	0.9158E-03	0.31652E-01
75.00	101.08	75.00	99.39	0.7494E-03	0.46919E-01
75.00	101.08	89.14	85.12	0.5903E-03	0.62354E-01
90.00	85.58	15.00	163.44	0.1329E-02	0.21570E-02
90.00	85.58	30.00	147.00	0.1248E-02	0.84810E-02
90.00	85.58	45.00	130.80	0.1123E-02	0.18541E-01
90.00	85.58	60.00	114.91	0.9650E-03	0.31652E-01
90.00	85.58	75.00	99.39	0.7900E-03	0.46919E-01
90.00	85.58	89.14	85.12	0.6224E-03	0.62354E-01
90.86	85.12	15.00	163.44	0.1329E-02	0.21570E-02
90.86	85.12	30.00	147.00	0.1248E-02	0.84810E-02
90.86	85.12	45.00	130.80	0.1123E-02	0.18541E-01
90.86	85.12	60.00	114.91	0.9650E-03	0.31652E-01
90.86	85.12	75.00	99.39	0.7900E-03	0.46919E-01
90.86	85.12	89.14	85.12	0.6224E-03	0.62354E-01

r_2/r_1 = 0.70 d/r_1 = 50.000 cosh μ_1 = 25.0051 cosh μ_2 = 35.7070

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.58	15.00	164.40	0.1380E-04	0.34296E-03
15.00	164.58	30.00	148.83	0.1304E-04	0.13485E-02
15.00	164.58	45.00	133.36	0.1185E-04	0.29480E-02
15.00	164.58	60.00	117.99	0.1032E-04	0.50325E-02
15.00	164.58	75.00	102.77	0.8578E-05	0.74601E-02
15.00	164.58	89.66	88.05	0.6789E-05	0.10005E-01
30.00	149.19	15.00	164.40	0.5134E-04	0.34296E-03
30.00	149.19	30.00	148.83	0.4853E-04	0.13485E-02
30.00	149.19	45.00	133.36	0.4410E-04	0.29480E-02
30.00	149.19	60.00	117.99	0.3842E-04	0.50325E-02
30.00	149.19	75.00	102.77	0.3192E-04	0.74601E-02
30.00	149.19	89.66	88.05	0.2527E-04	0.10005E-01
45.00	133.85	15.00	164.40	0.1022E-03	0.34296E-03
45.00	133.85	30.00	148.83	0.9660E-04	0.13485E-02
45.00	133.85	45.00	133.36	0.8779E-04	0.29480E-02
45.00	133.85	60.00	117.99	0.7648E-04	0.50325E-02
45.00	133.85	75.00	102.77	0.6355E-04	0.74601E-02
45.00	133.85	89.66	88.05	0.5030E-04	0.10005E-01
60.00	118.60	15.00	164.40	0.1524E-03	0.34296E-03
60.00	118.60	30.00	148.83	0.1440E-03	0.13485E-02
60.00	118.60	45.00	133.36	0.1309E-03	0.29480E-02
60.00	118.60	60.00	117.99	0.1140E-03	0.50325E-02
60.00	118.60	75.00	102.77	0.9477E-04	0.74601E-02
60.00	118.60	89.66	88.05	0.7501E-04	0.10005E-01
75.00	103.44	15.00	164.40	0.1883E-03	0.34296E-03
75.00	103.44	30.00	148.83	0.1779E-03	0.13485E-02
75.00	103.44	45.00	133.36	0.1617E-03	0.29480E-02
75.00	103.44	60.00	117.99	0.1409E-03	0.50325E-02
75.00	103.44	75.00	102.77	0.1171E-03	0.74601E-02
75.00	103.44	89.66	88.05	0.9268E-04	0.10005E-01
90.00	88.40	15.00	164.40	0.2003E-03	0.34296E-03
90.00	88.40	30.00	148.83	0.1894E-03	0.13485E-02
90.00	88.40	45.00	133.36	0.1721E-03	0.29480E-02
90.00	88.40	60.00	117.99	0.1500E-03	0.50325E-02
90.00	88.40	75.00	102.77	0.1246E-03	0.74601E-02
90.00	88.40	89.66	88.05	0.9864E-04	0.10005E-01
90.34	88.05	15.00	164.40	0.2003E-03	0.34296E-03
90.34	88.05	30.00	148.83	0.1894E-03	0.13485E-02
90.34	88.05	45.00	133.36	0.1721E-03	0.29480E-02
90.34	88.05	60.00	117.99	0.1500E-03	0.50325E-02
90.34	88.05	75.00	102.77	0.1246E-03	0.74601E-02
90.34	88.05	89.66	88.05	0.9864E-04	0.10005E-01

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(h) Concluded. Radius ratio, r_2/r_1, 0.70

r_2/r_1 = 0.70 d/r_1 = 100.000 cosh μ_1 = 50.0025 cosh μ_2 = 71.4249

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.79	15.00	164.70	0.3335E-05	0.85663E-04
15.00	164.79	30.00	149.42	0.3159E-05	0.33681E-03
15.00	164.79	45.00	134.18	0.2881E-05	0.73634E-03
15.00	164.79	60.00	119.00	0.2521E-05	0.12570E-02
15.00	164.79	75.00	103.89	0.2105E-05	0.18633E-02
15.00	164.79	89.83	89.03	0.1669E-05	0.25065E-02
30.00	149.60	15.00	164.70	0.1243E-04	0.85663E-04
30.00	149.60	30.00	149.42	0.1177E-04	0.33681E-03
30.00	149.60	45.00	134.18	0.1074E-04	0.73634E-03
30.00	149.60	60.00	119.00	0.9393E-05	0.12570E-02
30.00	149.60	75.00	103.89	0.7845E-05	0.18633E-02
30.00	149.60	89.83	89.03	0.6220E-05	0.25065E-02
45.00	134.43	15.00	164.70	0.2480E-04	0.85663E-04
45.00	134.43	30.00	149.42	0.2349E-04	0.33681E-03
45.00	134.43	45.00	134.18	0.2142E-04	0.73634E-03
45.00	134.43	60.00	119.00	0.1874E-04	0.12570E-02
45.00	134.43	75.00	103.89	0.1565E-04	0.18633E-02
45.00	134.43	89.83	89.03	0.1241E-04	0.25065E-02
60.00	119.30	15.00	164.70	0.3709E-04	0.85663E-04
60.00	119.30	30.00	149.42	0.3514E-04	0.33681E-03
60.00	119.30	45.00	134.18	0.3204E-04	0.73634E-03
60.00	119.30	60.00	119.00	0.2803E-04	0.12570E-02
60.00	119.30	75.00	103.89	0.2341E-04	0.18633E-02
60.00	119.30	89.83	89.03	0.1856E-04	0.25065E-02
75.00	104.22	15.00	164.70	0.4599E-04	0.85663E-04
75.00	104.22	30.00	149.42	0.4356E-04	0.33681E-03
75.00	104.22	45.00	134.18	0.3972E-04	0.73634E-03
75.00	104.22	60.00	119.00	0.3476E-04	0.12570E-02
75.00	104.22	75.00	103.89	0.2903E-04	0.18633E-02
75.00	104.22	89.83	89.03	0.2302E-04	0.25065E-02
90.00	89.20	15.00	164.70	0.4911E-04	0.85663E-04
90.00	89.20	30.00	149.42	0.4652E-04	0.33681E-03
90.00	89.20	45.00	134.18	0.4242E-04	0.73634E-03
90.00	89.20	60.00	119.00	0.3712E-04	0.12570E-02
90.00	89.20	75.00	103.89	0.3100E-04	0.18633E-02
90.00	89.20	89.83	89.03	0.2458E-04	0.25065E-02
90.17	89.03	15.00	164.70	0.4911E-04	0.85663E-04
90.17	89.03	30.00	149.42	0.4652E-04	0.33681E-03
90.17	89.03	45.00	134.18	0.4242E-04	0.73634E-03
90.17	89.03	60.00	119.00	0.3712E-04	0.12570E-02
90.17	89.03	75.00	103.89	0.3100E-04	0.18633E-02
90.17	89.03	89.83	89.03	0.2458E-04	0.25065E-02

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(1) Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 1.801$ $\cosh \mu_1 = 1.0004$ $\cosh \mu_2 = 1.0007$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	16.11	15.00	12.92	0.5727E 00	0.24079E 03
15.00	16.11	30.00	6.37	0.1511E 00	0.94675E 03
15.00	16.11	45.00	4.12	0.6914E-01	0.20698E 04
15.00	16.11	60.00	2.96	0.4050E-01	0.35333E 04
15.00	16.11	75.00	2.23	0.2732E-01	0.52376E 04
15.00	16.11	83.62	1.91	0.2278E-01	0.62818E 04
30.00	7.95	15.00	12.92	0.8388E 00	0.24079E 03
30.00	7.95	30.00	6.37	0.4261E 00	0.94675E 03
30.00	7.95	45.00	4.12	0.2046E 00	0.20698E 04
30.00	7.95	60.00	2.96	0.1199E 00	0.35333E 04
30.00	7.95	75.00	2.23	0.8091E-01	0.52376E 04
30.00	7.95	83.62	1.91	0.6746E-01	0.62818E 04
45.00	5.15	15.00	12.92	0.8451E 00	0.24079E 03
45.00	5.15	30.00	6.37	0.5509E 00	0.94675E 03
45.00	5.15	45.00	4.12	0.3111E 00	0.20698E 04
45.00	5.15	60.00	2.96	0.1872E 00	0.35333E 04
45.00	5.15	75.00	2.23	0.1264E 00	0.52376E 04
45.00	5.15	83.62	1.91	0.1054E 00	0.62818E 04
60.00	3.70	15.00	12.92	0.8451E 00	0.24079E 03
60.00	3.70	30.00	6.37	0.5695E 00	0.94675E 03
60.00	3.70	45.00	4.12	0.3531E 00	0.20698E 04
60.00	3.70	60.00	2.96	0.2222E 00	0.35333E 04
60.00	3.70	75.00	2.23	0.1509E 00	0.52376E 04
60.00	3.70	83.62	1.91	0.1258E 00	0.62818E 04
75.00	2.78	15.00	12.92	0.8451E 00	0.24079E 03
75.00	2.78	30.00	6.37	0.5704E 00	0.94675E 03
75.00	2.78	45.00	4.12	0.3616E 00	0.20698E 04
75.00	2.78	60.00	2.96	0.2332E 00	0.35333E 04
75.00	2.78	75.00	2.23	0.1598E 00	0.52376E 04
75.00	2.78	83.62	1.91	0.1333E 00	0.62818E 04
90.00	2.13	15.00	12.92	0.8451E 00	0.24079E 03
90.00	2.13	30.00	6.37	0.5704E 00	0.94675E 03
90.00	2.13	45.00	4.12	0.3619E 00	0.20698E 04
90.00	2.13	60.00	2.96	0.2346E 00	0.35333E 04
90.00	2.13	75.00	2.23	0.1613E 00	0.52376E 04
90.00	2.13	83.62	1.91	0.1345E 00	0.62818E 04
96.38	1.91	15.00	12.92	0.8451E 00	0.24079E 03
96.38	1.91	30.00	6.37	0.5704E 00	0.94675E 03
96.38	1.91	45.00	4.12	0.3619E 00	0.20698E 04
96.38	1.91	60.00	2.96	0.2346E 00	0.35333E 04
96.38	1.91	75.00	2.23	0.1613E 00	0.52376E 04
96.38	1.91	83.62	1.91	0.1345E 00	0.62818E 04

$r_2/r_1 = 0.80$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.0900$ $\cosh \mu_2 = 1.1375$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	125.13	15.00	115.22	0.2630E 00	0.11382E 01
15.00	125.13	30.00	75.51	0.1009E 00	0.44752E 01
15.00	125.13	45.00	53.22	0.4757E-01	0.97836E 01
15.00	125.13	60.00	39.54	0.2787E-01	0.16702E 02
15.00	125.13	75.00	30.27	0.1880E-01	0.24758E 02
15.00	125.13	84.26	25.84	0.1548E-01	0.30063E 02
30.00	86.85	15.00	115.22	0.5094E 00	0.11382E 01
30.00	86.85	30.00	75.51	0.2822E 00	0.44752E 01
30.00	86.85	45.00	53.22	0.1478E 00	0.97836E 01
30.00	86.85	60.00	39.54	0.8746E-01	0.16702E 02
30.00	86.85	75.00	30.27	0.5900E-01	0.24758E 02
30.00	86.85	84.26	25.84	0.4859E-01	0.30063E 02
45.00	62.96	15.00	115.22	0.5601E 00	0.11382E 01
45.00	62.96	30.00	75.51	0.3800E 00	0.44752E 01
45.00	62.96	45.00	53.22	0.2270E 00	0.97836E 01
45.00	62.96	60.00	39.54	0.1399E 00	0.16702E 02
45.00	62.96	75.00	30.27	0.9457E-01	0.24758E 02
45.00	62.96	84.26	25.84	0.7788E-01	0.30063E 02
60.00	47.43	15.00	115.22	0.5620E 00	0.11382E 01
60.00	47.43	30.00	75.51	0.4044E 00	0.44752E 01
60.00	47.43	45.00	53.22	0.2615E 00	0.97836E 01
60.00	47.43	60.00	39.54	0.1682E 00	0.16702E 02
60.00	47.43	75.00	30.27	0.1148E 00	0.24758E 02
60.00	47.43	84.26	25.84	0.9457E-01	0.30063E 02
75.00	36.58	15.00	115.22	0.5620E 00	0.11382E 01
75.00	36.58	30.00	75.51	0.4061E 00	0.44752E 01
75.00	36.58	45.00	53.22	0.2693E 00	0.97836E 01
75.00	36.58	60.00	39.54	0.1775E 00	0.16702E 02
75.00	36.58	75.00	30.27	0.1223E 00	0.24758E 02
75.00	36.58	84.26	25.84	0.1007E 00	0.30063E 02
90.00	28.46	15.00	115.22	0.5620E 00	0.11382E 01
90.00	28.46	30.00	75.51	0.4061E 00	0.44752E 01
90.00	28.46	45.00	53.22	0.2697E 00	0.97836E 01
90.00	28.46	60.00	39.54	0.1786E 00	0.16702E 02
90.00	28.46	75.00	30.27	0.1235E 00	0.24758E 02
90.00	28.46	84.26	25.84	0.1018E 00	0.30063E 02
95.74	25.84	15.00	115.22	0.5620E 00	0.11382E 01
95.74	25.84	30.00	75.51	0.4061E 00	0.44752E 01
95.74	25.84	45.00	53.22	0.2697E 00	0.97836E 01
95.74	25.84	60.00	39.54	0.1786E 00	0.16702E 02
95.74	25.84	75.00	30.27	0.1235E 00	0.24758E 02
95.74	25.84	84.26	25.84	0.1018E 00	0.30063E 02

$r_2/r_1 = 0.80$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.5600$ $\cosh \mu_2 = 1.8000$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	152.33	15.00	148.56	0.2480E-01	0.14934E 00
15.00	152.33	30.00	120.38	0.1868E-01	0.58718E 00
15.00	152.33	45.00	96.94	0.1286E-01	0.12837E 01
15.00	152.33	60.00	78.02	0.8534E-02	0.21914E 01
15.00	152.33	75.00	62.73	0.5793E-02	0.32484E 01
15.00	152.33	86.18	53.13	0.4600E-02	0.40906E 01
30.00	126.75	15.00	148.56	0.7783E-01	0.14934E 00
30.00	126.75	30.00	120.38	0.6042E-01	0.58718E 00
30.00	126.75	45.00	96.94	0.4274E-01	0.12837E 01
30.00	126.75	60.00	78.02	0.2895E-01	0.21914E 01
30.00	126.75	75.00	62.73	0.1983E-01	0.32484E 01
30.00	126.75	86.18	53.13	0.1575E-01	0.40906E 01
45.00	104.45	15.00	148.56	0.1241E 00	0.14934E 00
45.00	104.45	30.00	120.38	0.9943E-01	0.58718E 00
45.00	104.45	45.00	96.94	0.7263E-01	0.12837E 01
45.00	104.45	60.00	78.02	0.5044E-01	0.21914E 01
45.00	104.45	75.00	62.73	0.3501E-01	0.32484E 01
45.00	104.45	86.18	53.13	0.2781E-01	0.40906E 01
60.00	85.59	15.00	148.56	0.1471E 00	0.14934E 00
60.00	85.59	30.00	120.38	0.1209E 00	0.58718E 00
60.00	85.59	45.00	96.94	0.9089E-01	0.12837E 01
60.00	85.59	60.00	78.02	0.6463E-01	0.21914E 01
60.00	85.59	75.00	62.73	0.4546E-01	0.32484E 01
60.00	85.59	86.18	53.13	0.3614E-01	0.40906E 01
75.00	69.72	15.00	148.56	0.1502E 00	0.14934E 00
75.00	69.72	30.00	120.38	0.1259E 00	0.58718E 00
75.00	69.72	45.00	96.94	0.9662E-01	0.12837E 01
75.00	69.72	60.00	78.02	0.6990E-01	0.21914E 01
75.00	69.72	75.00	62.73	0.4965E-01	0.32484E 01
75.00	69.72	86.18	53.13	0.3952E-01	0.40906E 01
90.00	56.25	15.00	148.56	0.1502E 00	0.14934E 00
90.00	56.25	30.00	120.38	0.1260E 00	0.58718E 00
90.00	56.25	45.00	96.94	0.9704E-01	0.12837E 01
90.00	56.25	60.00	78.02	0.7055E-01	0.21914E 01
90.00	56.25	75.00	62.73	0.5030E-01	0.32484E 01
90.00	56.25	86.18	53.13	0.4006E-01	0.40906E 01
93.82	53.13	15.00	148.56	0.1502E 00	0.14934E 00
93.82	53.13	30.00	120.38	0.1260E 00	0.58718E 00
93.82	53.13	45.00	96.94	0.9704E-01	0.12837E 01
93.82	53.13	60.00	78.02	0.7055E-01	0.21914E 01
93.82	53.13	75.00	62.73	0.5030E-01	0.32484E 01
93.82	53.13	86.18	53.13	0.4007E-01	0.40906E 01

$r_2/r_1 = 0.80$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5360$ $\cosh \mu_2 = 3.0800$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	159.11	15.00	157.41	0.3922E-02	0.39419E-01
15.00	159.11	30.00	135.75	0.3451E-02	0.15499E 00
15.00	159.11	45.00	115.70	0.2830E-02	0.33883E 00
15.00	159.11	60.00	97.56	0.2190E-02	0.57842E 00
15.00	159.11	75.00	81.32	0.1614E-02	0.85743E 00
15.00	159.11	87.71	68.90	0.1247E-02	0.11106E 01
30.00	138.66	15.00	157.41	0.1381E-01	0.39419E-01
30.00	138.66	30.00	135.75	0.1219E-01	0.15499E 00
30.00	138.66	45.00	115.70	0.1003E-01	0.33883E 00
30.00	138.66	60.00	97.56	0.7794E-02	0.57842E 00
30.00	138.66	75.00	81.32	0.5765E-02	0.85743E 00
30.00	138.66	87.71	68.90	0.4463E-02	0.11106E 01
45.00	115.76	15.00	157.41	0.2534E-01	0.39419E-01
45.00	115.76	30.00	135.75	0.2245E-01	0.15499E 00
45.00	115.76	45.00	115.70	0.1858E-01	0.33883E 00
45.00	115.76	60.00	97.56	0.1452E-01	0.57842E 00
45.00	115.76	75.00	81.32	0.1079E-01	0.85743E 00
45.00	115.76	87.71	68.90	0.8374E-02	0.11106E 01
60.00	102.08	15.00	157.41	0.3431E-01	0.39419E-01
60.00	102.08	30.00	135.75	0.3054E-01	0.15499E 00
60.00	102.08	45.00	115.70	0.2542E-01	0.33883E 00
60.00	102.08	60.00	97.56	0.1998E-01	0.57842E 00
60.00	102.08	75.00	81.32	0.1494E-01	0.85743E 00
60.00	102.08	87.71	68.90	0.1162E-01	0.11106E 01
75.00	85.88	15.00	157.41	0.3834E-01	0.39419E-01
75.00	85.88	30.00	135.75	0.3427E-01	0.15499E 00
75.00	85.88	45.00	115.70	0.2869E-01	0.33883E 00
75.00	85.88	60.00	97.56	0.2268E-01	0.57842E 00
75.00	85.88	75.00	81.32	0.1706E-01	0.85743E 00
75.00	85.88	87.71	68.90	0.1329E-01	0.11106E 01
90.00	71.05	15.00	157.41	0.3854E-01	0.39419E-01
90.00	71.05	30.00	135.75	0.3456E-01	0.15499E 00
90.00	71.05	45.00	115.70	0.2905E-01	0.33883E 00
90.00	71.05	60.00	97.56	0.2306E-01	0.57842E 00
90.00	71.05	75.00	81.32	0.1739E-01	0.85743E 00
90.00	71.05	87.71	68.90	0.1356E-01	0.11106E 01
92.29	68.90	15.00	157.41	0.3854E-01	0.39419E-01
92.29	68.90	30.00	135.75	0.3456E-01	0.15499E 00
92.29	68.90	45.00	115.70	0.2905E-01	0.33883E 00
92.29	68.90	60.00	97.56	0.2306E-01	0.57842E 00
92.29	68.90	75.00	81.32	0.1739E-01	0.85743E 00
92.29	68.90	87.71	68.90	0.1356E-01	0.11106E 01

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(1) Continued. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5257$ $\cosh \mu_2 = 4.3429$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	161.10	15.00	160.01	0.1516E-02	0.18730E-01
15.00	161.10	30.00	140.54	0.1378E-02	0.73643E-01
15.00	161.10	45.00	121.99	0.1180E-02	0.16100E 00
15.00	161.10	60.00	104.60	0.9572E-03	0.27484E 00
15.00	161.10	75.00	88.47	0.7373E-03	0.40741E 00
15.00	161.10	88.36	75.10	0.5687E-03	0.53397E 00
30.00	142.57	15.00	160.01	0.5469E-02	0.18730E-01
30.00	142.57	30.00	140.54	0.4974E-02	0.73643E-01
30.00	142.57	45.00	121.99	0.4265E-02	0.16100E 00
30.00	142.57	60.00	104.60	0.3465E-02	0.27484E 00
30.00	142.57	75.00	88.47	0.2673E-02	0.40741E 00
30.00	142.57	88.36	75.10	0.2064E-02	0.53397E 00
45.00	124.72	15.00	160.01	0.1038E-01	0.18730E-01
45.00	124.72	30.00	140.54	0.9456E-02	0.73643E-01
45.00	124.72	45.00	121.99	0.8125E-02	0.16100E 00
45.00	124.72	60.00	104.60	0.6615E-02	0.27484E 00
45.00	124.72	75.00	88.47	0.5114E-02	0.40741E 00
45.00	124.72	88.36	75.10	0.3955E-02	0.53397E 00
60.00	107.75	15.00	160.01	0.1461E-01	0.18730E-01
60.00	107.75	30.00	140.54	0.1333E-01	0.73643E-01
60.00	107.75	45.00	121.99	0.1148E-01	0.16100E 00
60.00	107.75	60.00	104.60	0.9368E-02	0.27484E 00
60.00	107.75	75.00	88.47	0.7260E-02	0.40741E 00
60.00	107.75	88.36	75.10	0.5625E-02	0.53397E 00
75.00	91.74	15.00	160.01	0.1696E-01	0.18730E-01
75.00	91.74	30.00	140.54	0.1549E-01	0.73643E-01
75.00	91.74	45.00	121.99	0.1337E-01	0.16100E 00
75.00	91.74	60.00	104.60	0.1094E-01	0.27484E 00
75.00	91.74	75.00	88.47	0.8501E-02	0.40741E 00
75.00	91.74	88.36	75.10	0.6556E-02	0.53397E 00
90.00	76.69	15.00	160.01	0.1725E-01	0.18730E-01
90.00	76.69	30.00	140.54	0.1579E-01	0.73643E-01
90.00	76.69	45.00	121.99	0.1367E-01	0.16100E 00
90.00	76.69	60.00	104.60	0.1121E-01	0.27484E 00
90.00	76.69	75.00	88.47	0.8730E-02	0.40741E 00
90.00	76.69	88.36	75.10	0.6780E-02	0.53397E 00
91.64	75.10	15.00	160.01	0.1725E-01	0.18730E-01
91.64	75.10	30.00	140.54	0.1579E-01	0.73643E-01
91.64	75.10	45.00	121.99	0.1367E-01	0.16100E 00
91.64	75.10	60.00	104.60	0.1121E-01	0.27484E 00
91.64	75.10	75.00	88.47	0.8730E-02	0.40741E 00
91.64	75.10	88.36	75.10	0.6780E-02	0.53397E 00

$r_2/r_1 = 0.80$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0180$ $\cosh \mu_2 = 6.2275$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	162.40	15.00	161.69	0.6165E-03	0.88541E-02
15.00	162.40	30.00	143.69	0.5698E-03	0.34813E-01
15.00	162.40	45.00	126.24	0.5004E-03	0.76107E-01
15.00	162.40	60.00	109.51	0.4178E-03	0.12992E 00
15.00	162.40	75.00	93.60	0.3315E-03	0.19259E 00
15.00	162.40	88.85	79.63	0.2568E-03	0.25465E 00
30.00	145.02	15.00	161.69	0.2253E-02	0.88541E-02
30.00	145.02	30.00	143.69	0.2083E-02	0.34813E-01
30.00	145.02	45.00	126.24	0.1830E-02	0.76107E-01
30.00	145.02	60.00	109.51	0.1529E-02	0.12992E 00
30.00	145.02	75.00	93.60	0.1214E-02	0.19259E 00
30.00	145.02	88.85	79.63	0.9410E-03	0.25465E 00
45.00	128.06	15.00	161.69	0.4363E-02	0.88541E-02
45.00	128.06	30.00	143.69	0.4035E-02	0.34813E-01
45.00	128.06	45.00	126.24	0.3548E-02	0.76107E-01
45.00	128.06	60.00	109.51	0.2967E-02	0.12992E 00
45.00	128.06	75.00	93.60	0.2357E-02	0.19259E 00
45.00	128.06	88.85	79.63	0.1829E-02	0.25465E 00
60.00	111.66	15.00	161.69	0.6283E-02	0.88541E-02
60.00	111.66	30.00	143.69	0.5815E-02	0.34813E-01
60.00	111.66	45.00	126.24	0.5117E-02	0.76107E-01
60.00	111.66	60.00	109.51	0.4284E-02	0.12992E 00
60.00	111.66	75.00	93.60	0.3407E-02	0.19259E 00
60.00	111.66	88.85	79.63	0.2647E-02	0.25465E 00
75.00	95.88	15.00	161.69	0.7470E-02	0.88541E-02
75.00	95.88	30.00	143.69	0.6918E-02	0.34813E-01
75.00	95.88	45.00	126.24	0.6093E-02	0.76107E-01
75.00	95.88	60.00	109.51	0.5107E-02	0.12992E 00
75.00	95.88	75.00	93.60	0.4066E-02	0.19259E 00
75.00	95.88	88.85	79.63	0.3162E-02	0.25465E 00
90.00	80.76	15.00	161.69	0.7703E-02	0.88541E-02
90.00	80.76	30.00	143.69	0.7141E-02	0.34813E-01
90.00	80.76	45.00	126.24	0.6298E-02	0.76107E-01
90.00	80.76	60.00	109.51	0.5286E-02	0.12992E 00
90.00	80.76	75.00	93.60	0.4214E-02	0.19259E 00
90.00	80.76	88.85	79.63	0.3279E-02	0.25465E 00
91.15	79.63	15.00	161.69	0.7703E-02	0.88541E-02
91.15	79.63	30.00	143.69	0.7141E-02	0.34813E-01
91.15	79.63	45.00	126.24	0.6298E-02	0.76107E-01
91.15	79.63	60.00	109.51	0.5286E-02	0.12992E 00
91.15	79.63	75.00	93.60	0.4214E-02	0.19259E 00
91.15	79.63	88.85	79.63	0.3279E-02	0.25465E 00

$r_2/r_1 = 0.80$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0090$ $\cosh \mu_2 = 12.4887$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	163.76	15.00	163.44	0.1263E-03	0.21586E-02
15.00	163.76	30.00	147.00	0.1185E-03	0.84875E-02
15.00	163.76	45.00	130.79	0.1065E-03	0.18555E-01
15.00	163.76	60.00	114.91	0.9148E-04	0.31676E-01
15.00	163.76	75.00	99.39	0.7479E-04	0.46955E-01
15.00	163.76	89.43	84.84	0.5856E-04	0.62718E-01
30.00	147.62	15.00	163.44	0.4672E-03	0.21586E-02
30.00	147.62	30.00	147.00	0.4384E-03	0.84875E-02
30.00	147.62	45.00	130.79	0.3940E-03	0.18555E-01
30.00	147.62	60.00	114.91	0.3384E-03	0.31676E-01
30.00	147.62	75.00	99.39	0.2767E-03	0.46955E-01
30.00	147.62	89.43	84.84	0.2167E-03	0.62718E-01
45.00	131.66	15.00	163.44	0.9212E-03	0.21586E-02
45.00	131.66	30.00	147.00	0.8645E-03	0.84875E-02
45.00	131.66	45.00	130.79	0.7770E-03	0.18555E-01
45.00	131.66	60.00	114.91	0.6675E-03	0.31676E-01
45.00	131.66	75.00	99.39	0.5459E-03	0.46955E-01
45.00	131.66	89.43	84.84	0.4276E-03	0.62718E-01
60.00	115.94	15.00	163.44	0.1357E-02	0.21586E-02
60.00	115.94	30.00	147.00	0.1273E-02	0.84875E-02
60.00	115.94	45.00	130.79	0.1145E-02	0.18555E-01
60.00	115.94	60.00	114.91	0.9835E-03	0.31676E-01
60.00	115.94	75.00	99.39	0.8046E-03	0.46955E-01
60.00	115.94	89.43	84.84	0.6304E-03	0.62718E-01
75.00	100.52	15.00	163.44	0.1653E-02	0.21586E-02
75.00	100.52	30.00	147.00	0.1552E-02	0.84875E-02
75.00	100.52	45.00	130.79	0.1395E-02	0.18555E-01
75.00	100.52	60.00	114.91	0.1199E-02	0.31676E-01
75.00	100.52	75.00	99.39	0.9810E-03	0.46955E-01
75.00	100.52	89.43	84.84	0.7688E-03	0.62718E-01
90.00	85.41	15.00	163.44	0.1736E-02	0.21586E-02
90.00	85.41	30.00	147.00	0.1630E-02	0.84875E-02
90.00	85.41	45.00	130.79	0.1466E-02	0.18555E-01
90.00	85.41	60.00	114.91	0.1260E-02	0.31676E-01
90.00	85.41	75.00	99.39	0.1032E-02	0.46955E-01
90.00	85.41	89.43	84.84	0.8088E-03	0.62718E-01
90.57	84.64	15.00	163.44	0.1736E-02	0.21586E-02
90.57	84.64	30.00	147.00	0.1630E-02	0.84875E-02
90.57	84.64	45.00	130.79	0.1466E-02	0.18555E-01
90.57	84.64	60.00	114.91	0.1260E-02	0.31676E-01
90.57	84.64	75.00	99.39	0.1032E-02	0.46955E-01
90.57	84.64	89.43	84.84	0.8088E-03	0.62718E-01

$r_2/r_1 = 0.80$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0036$ $\cosh \mu_2 = 31.2455$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.52	15.00	164.39	0.1809E-04	0.34300E-03
15.00	164.52	30.00	148.83	0.1710E-04	0.13486E-02
15.00	164.52	45.00	133.36	0.1554E-04	0.29484E-02
15.00	164.52	60.00	117.99	0.1354E-04	0.50332E-02
15.00	164.52	75.00	102.77	0.1125E-04	0.74610E-02
15.00	164.52	89.77	87.94	0.8885E-05	0.10026E-01
30.00	149.07	15.00	164.39	0.6729E-04	0.34300E-03
30.00	149.07	30.00	148.83	0.6361E-04	0.13486E-02
30.00	149.07	45.00	133.36	0.5780E-04	0.29484E-02
30.00	149.07	60.00	117.99	0.5036E-04	0.50332E-02
30.00	149.07	75.00	102.77	0.4184E-04	0.74610E-02
30.00	149.07	89.77	87.94	0.3305E-04	0.10026E-01
45.00	133.69	15.00	164.39	0.1339E-03	0.34300E-03
45.00	133.69	30.00	148.83	0.1265E-03	0.13486E-02
45.00	133.69	45.00	133.36	0.1150E-03	0.29484E-02
45.00	133.69	60.00	117.99	0.1002E-03	0.50332E-02
45.00	133.69	75.00	102.77	0.8325E-04	0.74610E-02
45.00	133.69	89.77	87.94	0.6576E-04	0.10026E-01
60.00	118.40	15.00	164.39	0.1994E-03	0.34300E-03
60.00	118.40	30.00	148.83	0.1885E-03	0.13486E-02
60.00	118.40	45.00	133.36	0.1713E-03	0.29484E-02
60.00	118.40	60.00	117.99	0.1493E-03	0.50332E-02
60.00	118.40	75.00	102.77	0.1240E-03	0.74610E-02
60.00	118.40	89.77	87.94	0.9797E-04	0.10026E-01
75.00	103.22	15.00	164.39	0.2461E-03	0.34300E-03
75.00	103.22	30.00	148.83	0.2327E-03	0.13486E-02
75.00	103.22	45.00	133.36	0.2114E-03	0.29484E-02
75.00	103.22	60.00	117.99	0.1842E-03	0.50332E-02
75.00	103.22	75.00	102.77	0.1531E-03	0.74610E-02
75.00	103.22	89.77	87.94	0.1209E-03	0.10026E-01
90.00	88.17	15.00	164.39	0.2616E-03	0.34300E-03
90.00	88.17	30.00	148.83	0.2473E-03	0.13486E-02
90.00	88.17	45.00	133.36	0.2248E-03	0.29484E-02
90.00	88.17	60.00	117.99	0.1959E-03	0.50332E-02
90.00	88.17	75.00	102.77	0.1628E-03	0.74610E-02
90.00	88.17	89.77	87.94	0.1286E-03	0.10026E-01
90.23	87.94	15.00	164.39	0.2616E-03	0.34300E-03
90.23	87.94	30.00	148.83	0.2473E-03	0.13486E-02
90.23	87.94	45.00	133.36	0.2248E-03	0.29484E-02
90.23	87.94	60.00	117.99	0.1959E-03	0.50332E-02
90.23	87.94	75.00	102.77	0.1628E-03	0.74610E-02
90.23	87.94	89.77	87.94	0.1286E-03	0.10026E-01

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(i) Concluded. Radius ratio, r_2/r_1, 0.80

$r_2/r_1 = 0.80$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0018$ $\cosh \mu_2 = 62.4977$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.76	15.00	164.70	0.4364E-05	0.85667E-04
15.00	164.76	30.00	149.42	0.4134E-05	0.33683E-03
15.00	164.76	45.00	134.18	0.3770E-05	0.73636E-03
15.00	164.76	60.00	119.00	0.3299E-05	0.12570E-02
15.00	164.76	75.00	103.89	0.2755E-05	0.18634E-02
15.00	164.76	89.89	88.97	0.2182E-05	0.25091E-02
30.00	149.54	15.00	164.70	0.1626E-04	0.85667E-04
30.00	149.54	30.00	149.42	0.1540E-04	0.33683E-03
30.00	149.54	45.00	134.18	0.1405E-04	0.73636E-03
30.00	149.54	60.00	119.00	0.1229E-04	0.12570E-02
30.00	149.54	75.00	103.89	0.1026E-04	0.18634E-02
30.00	149.54	89.89	88.97	0.8130E-05	0.25091E-02
45.00	134.35	15.00	164.70	0.3244E-04	0.85667E-04
45.00	134.35	30.00	149.42	0.3073E-04	0.33683E-03
45.00	134.35	45.00	134.18	0.2802E-04	0.73636E-03
45.00	134.35	60.00	119.00	0.2452E-04	0.12570E-02
45.00	134.35	75.00	103.89	0.2047E-04	0.18634E-02
45.00	134.35	89.89	88.97	0.1622E-04	0.25091E-02
60.00	119.20	15.00	164.70	0.4849E-04	0.85667E-04
60.00	119.20	30.00	149.42	0.4594E-04	0.33683E-03
60.00	119.20	45.00	134.18	0.4189E-04	0.73636E-03
60.00	119.20	60.00	119.00	0.3665E-04	0.12570E-02
60.00	119.20	75.00	103.89	0.3061E-04	0.18634E-02
60.00	119.20	89.89	88.97	0.2425E-04	0.25091E-02
75.00	104.11	15.00	164.70	0.6009E-04	0.85667E-04
75.00	104.11	30.00	149.42	0.5692E-04	0.33683E-03
75.00	104.11	45.00	134.18	0.5191E-04	0.73636E-03
75.00	104.11	60.00	119.00	0.4542E-04	0.12570E-02
75.00	104.11	75.00	103.89	0.3793E-04	0.18634E-02
75.00	104.11	89.89	88.97	0.3005E-04	0.25091E-02
90.00	89.08	15.00	164.70	0.6414E-04	0.85667E-04
90.00	89.08	30.00	149.42	0.6076E-04	0.33683E-03
90.00	89.08	45.00	134.18	0.5541E-04	0.73636E-03
90.00	89.08	60.00	119.00	0.4848E-04	0.12570E-02
90.00	89.08	75.00	103.89	0.4049E-04	0.18634E-02
90.00	89.08	89.89	88.97	0.3207E-04	0.25091E-02
90.11	88.97	15.00	164.70	0.6414E-04	0.85667E-04
90.11	88.97	30.00	149.42	0.6076E-04	0.33683E-03
90.11	88.97	45.00	134.18	0.5541E-04	0.73636E-03
90.11	88.97	60.00	119.00	0.4848E-04	0.12570E-02
90.11	88.97	75.00	103.89	0.4049E-04	0.18634E-02
90.11	88.97	89.89	88.97	0.3207E-04	0.25091E-02

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(j) Radius ratio, r_2/r_1, 0.90

$r_2/r_1 = 0.90$ $d/r_1 = 1.901$ $\cosh \mu_1 = 1.0005$ $\cosh \mu_2 = 1.0006$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	14.80	15.00	13.33	0.6682E 00	0.22593E 03
15.00	14.80	30.00	6.57	0.1841E 00	0.88833E 03
15.00	14.80	45.00	4.26	0.8422E-01	0.19421E 04
15.00	14.80	60.00	3.05	0.4934E-01	0.33153E 04
15.00	14.80	75.00	2.30	0.3328E-01	0.49144E 04
15.00	14.80	86.98	1.86	0.2604E-01	0.62817E 04
30.00	7.30	15.00	13.33	0.8685E 00	0.22593E 03
30.00	7.30	30.00	6.57	0.4993E 00	0.88833E 03
30.00	7.30	45.00	4.26	0.2485E 00	0.19421E 04
30.00	7.30	60.00	3.05	0.1460E 00	0.33153E 04
30.00	7.30	75.00	2.30	0.9847E-01	0.49144E 04
30.00	7.30	86.98	1.86	0.7704E-01	0.62817E 04
45.00	4.73	15.00	13.33	0.8651E 00	0.22593E 03
45.00	4.73	30.00	6.57	0.5974E 00	0.88833E 03
45.00	4.73	45.00	4.26	0.3579E 00	0.19421E 04
45.00	4.73	60.00	3.05	0.2196E 00	0.33153E 04
45.00	4.73	75.00	2.30	0.1485E 00	0.49144E 04
45.00	4.73	86.98	1.86	0.1161E 00	0.62817E 04
60.00	3.39	15.00	13.33	0.8651E 00	0.22593E 03
60.00	3.39	30.00	6.57	0.6072E 00	0.88833E 03
60.00	3.39	45.00	4.26	0.3933E 00	0.19421E 04
60.00	3.39	60.00	3.05	0.2538E 00	0.33153E 04
60.00	3.39	75.00	2.30	0.1737E 00	0.49144E 04
60.00	3.39	86.98	1.86	0.1359E 00	0.62817E 04
75.00	2.55	15.00	13.33	0.8651E 00	0.22593E 03
75.00	2.55	30.00	6.57	0.6073E 00	0.88833E 03
75.00	2.55	45.00	4.26	0.3982E 00	0.19421E 04
75.00	2.55	60.00	3.05	0.2626E 00	0.33153E 04
75.00	2.55	75.00	2.30	0.1816E 00	0.49144E 04
75.00	2.55	86.98	1.86	0.1422E 00	0.62817E 04
90.00	1.96	15.00	13.33	0.8651E 00	0.22593E 03
90.00	1.96	30.00	6.57	0.6073E 00	0.88833E 03
90.00	1.96	45.00	4.26	0.3982E 00	0.19421E 04
90.00	1.96	60.00	3.05	0.2633E 00	0.33153E 04
90.00	1.96	75.00	2.30	0.1825E 00	0.49144E 04
90.00	1.96	86.98	1.86	0.1430E 00	0.62817E 04
93.02	1.86	15.00	13.33	0.8651E 00	0.22593E 03
93.02	1.86	30.00	6.57	0.6073E 00	0.88833E 03
93.02	1.86	45.00	4.26	0.3982E 00	0.19421E 04
93.02	1.86	60.00	3.05	0.2633E 00	0.33153E 04
93.02	1.86	75.00	2.30	0.1825E 00	0.49144E 04
93.02	1.86	86.98	1.86	0.1430E 00	0.62817E 04

$r_2/r_1 = 0.90$ $d/r_1 = 2.000$ $\cosh \mu_1 = 1.0475$ $\cosh \mu_2 = 1.0583$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	103.95	15.00	98.32	0.4542E 00	0.22013E 01
15.00	103.95	30.00	59.23	0.1523E 00	0.86554E 01
15.00	103.95	45.00	40.38	0.7022E-01	0.18922E 02
15.00	103.95	60.00	29.56	0.4113E-01	0.32302E 02
15.00	103.95	75.00	22.45	0.2775E-01	0.47884E 02
15.00	103.95	87.13	18.19	0.2165E-01	0.61374E 02
30.00	64.28	15.00	98.32	0.6954E 00	0.22013E 01
30.00	64.28	30.00	59.23	0.4024E 00	0.86554E 01
30.00	64.28	45.00	40.38	0.2092E 00	0.18922E 02
30.00	64.28	60.00	29.56	0.1236E 00	0.32302E 02
30.00	64.28	75.00	22.45	0.8337E-01	0.47884E 02
30.00	64.28	87.13	18.19	0.6505E-01	0.61374E 02
45.00	44.24	15.00	98.32	0.7113E 00	0.22013E 01
45.00	44.24	30.00	59.23	0.4997E 00	0.86554E 01
45.00	44.24	45.00	40.38	0.3054E 00	0.18922E 02
45.00	44.24	60.00	29.56	0.1896E 00	0.32302E 02
45.00	44.24	75.00	22.45	0.1264E 00	0.47884E 02
45.00	44.24	87.13	18.19	0.1001E 00	0.61374E 02
60.00	32.51	15.00	98.32	0.7113E 00	0.22013E 01
60.00	32.51	30.00	59.23	0.5142E 00	0.86554E 01
60.00	32.51	45.00	40.38	0.3389E 00	0.18922E 02
60.00	32.51	60.00	29.56	0.2209E 00	0.32302E 02
60.00	32.51	75.00	22.45	0.1515E 00	0.47884E 02
60.00	32.51	87.13	18.19	0.1183E 00	0.61374E 02
75.00	24.75	15.00	98.32	0.7113E 00	0.22013E 01
75.00	24.75	30.00	59.23	0.5144E 00	0.86554E 01
75.00	24.75	45.00	40.38	0.3441E 00	0.18922E 02
75.00	24.75	60.00	29.56	0.2292E 00	0.32302E 02
75.00	24.75	75.00	22.45	0.1589E 00	0.47884E 02
75.00	24.75	87.13	18.19	0.1241E 00	0.61374E 02
90.00	19.11	15.00	98.32	0.7113E 00	0.22013E 01
90.00	19.11	30.00	59.23	0.5144E 00	0.86554E 01
90.00	19.11	45.00	40.38	0.3442E 00	0.18922E 02
90.00	19.11	60.00	29.56	0.2298E 00	0.32302E 02
90.00	19.11	75.00	22.45	0.1598E 00	0.47884E 02
90.00	19.11	87.13	18.19	0.1249E 00	0.61374E 02
92.87	18.19	15.00	98.32	0.7113E 00	0.22013E 01
92.87	18.19	30.00	59.23	0.5144E 00	0.86554E 01
92.87	18.19	45.00	40.38	0.3442E 00	0.18922E 02
92.87	18.19	60.00	29.56	0.2298E 00	0.32302E 02
92.87	18.19	75.00	22.45	0.1598E 00	0.47884E 02
92.87	18.19	87.13	18.19	0.1249E 00	0.61374E 02

$r_2/r_1 = 0.90$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.5317$ $\cosh \mu_2 = 1.6315$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	149.91	15.00	147.94	0.3615E-01	0.15906E 00
15.00	149.91	30.00	119.37	0.2669E-01	0.62540E 00
15.00	149.91	45.00	95.78	0.1802E-01	0.13672E 01
15.00	149.91	60.00	76.88	0.1179E-01	0.23340E 01
15.00	149.91	75.00	61.69	0.7991E-02	0.34599E 01
15.00	149.91	88.09	50.70	0.6127E-02	0.45124E 01
30.00	122.64	15.00	147.94	0.1084E 00	0.15906E 00
30.00	122.64	30.00	119.37	0.8342E-01	0.62540E 00
30.00	122.64	45.00	95.78	0.5842E-01	0.13672E 01
30.00	122.64	60.00	76.88	0.3925E-01	0.23340E 01
30.00	122.64	75.00	61.69	0.2687E-01	0.34599E 01
30.00	122.64	88.09	50.70	0.2060E-01	0.45124E 01
45.00	99.57	15.00	147.94	0.1649E 00	0.15906E 00
45.00	99.57	30.00	119.37	0.1320E 00	0.62540E 00
45.00	99.57	45.00	95.78	0.9622E-01	0.13672E 01
45.00	99.57	60.00	76.88	0.6669E-01	0.23340E 01
45.00	99.57	75.00	61.69	0.4636E-01	0.34599E 01
45.00	99.57	88.09	50.70	0.3556E-01	0.45124E 01
60.00	80.63	15.00	147.94	0.1883E 00	0.15906E 00
60.00	80.63	30.00	119.37	0.1554E 00	0.62540E 00
60.00	80.63	45.00	95.78	0.1171E 00	0.13672E 01
60.00	80.63	60.00	76.88	0.8339E-01	0.23340E 01
60.00	80.63	75.00	61.69	0.5885E-01	0.34599E 01
60.00	80.63	88.09	50.70	0.4521E-01	0.45124E 01
75.00	65.11	15.00	147.94	0.1901E 00	0.15906E 00
75.00	65.11	30.00	119.37	0.1594E 00	0.62540E 00
75.00	65.11	45.00	95.78	0.1226E 00	0.13672E 01
75.00	65.11	60.00	76.88	0.8885E-01	0.23340E 01
75.00	65.11	75.00	61.69	0.6337E-01	0.34599E 01
75.00	65.11	88.09	50.70	0.4877E-01	0.45124E 01
90.00	52.20	15.00	147.94	0.1901E 00	0.15906E 00
90.00	52.20	30.00	119.37	0.1594E 00	0.62540E 00
90.00	52.20	45.00	95.78	0.1228E 00	0.13672E 01
90.00	52.20	60.00	76.88	0.8935E-01	0.23340E 01
90.00	52.20	75.00	61.69	0.6392E-01	0.34599E 01
90.00	52.20	88.09	50.70	0.4923E-01	0.45124E 01
91.91	50.70	15.00	147.94	0.1901E 00	0.15906E 00
91.91	50.70	30.00	119.37	0.1594E 00	0.62540E 00
91.91	50.70	45.00	95.78	0.1228E 00	0.13672E 01
91.91	50.70	60.00	76.88	0.8935E-01	0.23340E 01
91.91	50.70	75.00	61.69	0.6392E-01	0.34599E 01
91.91	50.70	88.09	50.70	0.4923E-01	0.45124E 01

$r_2/r_1 = 0.90$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5190$ $\cosh \mu_2 = 2.7567$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	158.20	15.00	157.34	0.5262E-02	0.40052E-01
15.00	158.20	30.00	135.63	0.4619E-02	0.15748E 00
15.00	158.20	45.00	115.54	0.3774E-02	0.34428E 00
15.00	158.20	60.00	97.38	0.2910E-02	0.58772E 00
15.00	158.20	75.00	81.14	0.2138E-02	0.87122E 00
15.00	158.20	88.85	67.67	0.1619E-02	0.11519E 01
30.00	137.21	15.00	157.34	0.1833E-01	0.40052E-01
30.00	137.21	30.00	135.63	0.1615E-01	0.15748E 00
30.00	137.21	45.00	115.54	0.1326E-01	0.34428E 00
30.00	137.21	60.00	97.38	0.1027E-01	0.58772E 00
30.00	137.21	75.00	81.14	0.7582E-02	0.87122E 00
30.00	137.21	88.85	67.67	0.5751E-02	0.11519E 01
45.00	117.59	15.00	157.34	0.3314E-01	0.40052E-01
45.00	117.59	30.00	135.63	0.2934E-01	0.15748E 00
45.00	117.59	45.00	115.54	0.2424E-01	0.34428E 00
45.00	117.59	60.00	97.38	0.1891E-01	0.58772E 00
45.00	117.59	75.00	81.14	0.1405E-01	0.87122E 00
45.00	117.59	88.85	67.67	0.1068E-01	0.11519E 01
60.00	99.65	15.00	157.34	0.4418E-01	0.40052E-01
60.00	99.65	30.00	135.63	0.3931E-01	0.15748E 00
60.00	99.65	45.00	115.54	0.3270E-01	0.34428E 00
60.00	99.65	60.00	97.38	0.2569E-01	0.58772E 00
60.00	99.65	75.00	81.14	0.1921E-01	0.87122E 00
60.00	99.65	88.85	67.67	0.1465E-01	0.11519E 01
75.00	83.41	15.00	157.34	0.4866E-01	0.40052E-01
75.00	83.41	30.00	135.63	0.4351E-01	0.15748E 00
75.00	83.41	45.00	115.54	0.3644E-01	0.34428E 00
75.00	83.41	60.00	97.38	0.2883E-01	0.58772E 00
75.00	83.41	75.00	81.14	0.2169E-01	0.87122E 00
75.00	83.41	88.85	67.67	0.1657E-01	0.11519E 01
90.00	68.73	15.00	157.34	0.4877E-01	0.40052E-01
90.00	68.73	30.00	135.63	0.4374E-01	0.15748E 00
90.00	68.73	45.00	115.54	0.3677E-01	0.34428E 00
90.00	68.73	60.00	97.38	0.2919E-01	0.58772E 00
90.00	68.73	75.00	81.14	0.2202E-01	0.87122E 00
90.00	68.73	88.85	67.67	0.1684E-01	0.11519E 01
91.15	67.67	15.00	157.34	0.4877E-01	0.40052E-01
91.15	67.67	30.00	135.63	0.4374E-01	0.15748E 00
91.15	67.67	45.00	115.54	0.3677E-01	0.34428E 00
91.15	67.67	60.00	97.38	0.2919E-01	0.58772E 00
91.15	67.67	75.00	81.14	0.2202E-01	0.87122E 00
91.15	67.67	88.85	67.67	0.1684E-01	0.11519E 01

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(j) Continued. Radius ratio, r_2/r_1, 0.90

$r_2/r_1 = 0.90$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5136$ $\cosh \mu_2 = 3.8738$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	160.54	15.00	159.99	0.1990E-02	0.18871E-01
15.00	160.54	30.00	140.50	0.1807E-02	0.74198E-01
15.00	160.54	45.00	121.93	0.1545E-02	0.16221E 00
15.00	160.54	60.00	104.54	0.1252E-02	0.27691E 00
15.00	160.54	75.00	88.40	0.9630E-03	0.41048E 00
15.00	160.54	89.18	74.25	0.7316E-03	0.54591E 00
30.00	141.53	15.00	159.99	0.7139E-02	0.18871E-01
30.00	141.53	30.00	140.50	0.6488E-02	0.74198E-01
30.00	141.53	45.00	121.93	0.5558E-02	0.16221E 00
30.00	141.53	60.00	104.54	0.4510E-02	0.27691E 00
30.00	141.53	75.00	88.40	0.3475E-02	0.41048E 00
30.00	141.53	89.18	74.25	0.2644E-02	0.54591E 00
45.00	123.31	15.00	159.99	0.1345E-01	0.18871E-01
45.00	123.31	30.00	140.50	0.1224E-01	0.74198E-01
45.00	123.31	45.00	121.93	0.1051E-01	0.16221E 00
45.00	123.31	60.00	104.54	0.8550E-02	0.27691E 00
45.00	123.31	75.00	88.40	0.6604E-02	0.41048E 00
45.00	123.31	89.18	74.25	0.5035E-02	0.54591E 00
60.00	106.12	15.00	159.99	0.1875E-01	0.18871E-01
60.00	106.12	30.00	140.50	0.1709E-01	0.74198E-01
60.00	106.12	45.00	121.93	0.1472E-01	0.16221E 00
60.00	106.12	60.00	104.54	0.1201E-01	0.27691E 00
60.00	106.12	75.00	88.40	0.9302E-02	0.41048E 00
60.00	106.12	89.18	74.25	0.7107E-02	0.54591E 00
75.00	90.04	15.00	159.99	0.2155E-01	0.18871E-01
75.00	90.04	30.00	140.50	0.1968E-01	0.74198E-01
75.00	90.04	45.00	121.93	0.1699E-01	0.16221E 00
75.00	90.04	60.00	104.54	0.1390E-01	0.27691E 00
75.00	90.04	75.00	88.40	0.1080E-01	0.41048E 00
75.00	90.04	89.18	74.25	0.8269E-02	0.54591E 00
90.00	75.04	15.00	159.99	0.2184E-01	0.18871E-01
90.00	75.04	30.00	140.50	0.1999E-01	0.74198E-01
90.00	75.04	45.00	121.93	0.1730E-01	0.16221E 00
90.00	75.04	60.00	104.54	0.1419E-01	0.27691E 00
90.00	75.04	75.00	88.40	0.1105E-01	0.41048E 00
90.00	75.04	89.18	74.25	0.8464E-02	0.54591E 00
90.82	74.25	15.00	159.99	0.2184E-01	0.18871E-01
90.82	74.25	30.00	140.50	0.1999E-01	0.74198E-01
90.82	74.25	45.00	121.93	0.1730E-01	0.16221E 00
90.82	74.25	60.00	104.54	0.1419E-01	0.27691E 00
90.82	74.25	75.00	88.40	0.1105E-01	0.41048E 00
90.82	74.25	89.18	74.25	0.8464E-02	0.54591E 00

$r_2/r_1 = 0.90$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0095$ $\cosh \mu_2 = 5.5450$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	162.04	15.00	161.69	0.7986E-03	0.88854E-02
15.00	162.04	30.00	143.68	0.7379E-03	0.34936E-01
15.00	162.04	45.00	126.22	0.6477E-03	0.76377E-01
15.00	162.04	60.00	109.49	0.5405E-03	0.13038E 00
15.00	162.04	75.00	93.58	0.4285E-03	0.19327E 00
15.00	162.04	89.43	79.05	0.3286E-03	0.25816E 00
30.00	144.35	15.00	161.69	0.2910E-02	0.88854E-02
30.00	144.35	30.00	143.68	0.2689E-02	0.34936E-01
30.00	144.35	45.00	126.22	0.2362E-02	0.76377E-01
30.00	144.35	60.00	109.49	0.1972E-02	0.13038E 00
30.00	144.35	75.00	93.58	0.1565E-02	0.19327E 00
30.00	144.35	89.43	79.05	0.1201E-02	0.25816E 00
45.00	127.14	15.00	161.69	0.5608E-02	0.88854E-02
45.00	127.14	30.00	143.68	0.5186E-02	0.34936E-01
45.00	127.14	45.00	126.22	0.4558E-02	0.76377E-01
45.00	127.14	60.00	109.49	0.3810E-02	0.13038E 00
45.00	127.14	75.00	93.58	0.3026E-02	0.19327E 00
45.00	127.14	89.43	79.05	0.2325E-02	0.25816E 00
60.00	110.57	15.00	161.69	0.8031E-02	0.88854E-02
60.00	110.57	30.00	143.68	0.7432E-02	0.34936E-01
60.00	110.57	45.00	126.22	0.6539E-02	0.76377E-01
60.00	110.57	60.00	109.49	0.5473E-02	0.13038E 00
60.00	110.57	75.00	93.58	0.4352E-02	0.19327E 00
60.00	110.57	89.43	79.05	0.3347E-02	0.25816E 00
75.00	94.72	15.00	161.69	0.9490E-02	0.88854E-02
75.00	94.72	30.00	143.68	0.8788E-02	0.34936E-01
75.00	94.72	45.00	126.22	0.7741E-02	0.76377E-01
75.00	94.72	60.00	109.49	0.6487E-02	0.13038E 00
75.00	94.72	75.00	93.58	0.5165E-02	0.19327E 00
75.00	94.72	89.43	79.05	0.3978E-02	0.25816E 00
90.00	79.61	15.00	161.69	0.9750E-02	0.88854E-02
90.00	79.61	30.00	143.68	0.9038E-02	0.34936E-01
90.00	79.61	45.00	126.22	0.7971E-02	0.76377E-01
90.00	79.61	60.00	109.49	0.6690E-02	0.13038E 00
90.00	79.61	75.00	93.58	0.5333E-02	0.19327E 00
90.00	79.61	89.43	79.05	0.4110E-02	0.25816E 00
90.57	79.05	15.00	161.69	0.9750E-02	0.88854E-02
90.57	79.05	30.00	143.68	0.9038E-02	0.34936E-01
90.57	79.05	45.00	126.22	0.7971E-02	0.76377E-01
90.57	79.05	60.00	109.49	0.6690E-02	0.13038E 00
90.57	79.05	75.00	93.58	0.5333E-02	0.19327E 00
90.57	79.05	89.43	79.05	0.4110E-02	0.25816E 00

$r_2/r_1 = 0.90$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0047$ $\cosh \mu_2 = 11.1058$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	163.60	15.00	163.44	0.1616E-03	0.21605E-02
15.00	163.60	30.00	147.00	0.1516E-03	0.84947E-02
15.00	163.60	45.00	130.79	0.1362E-03	0.18571E-01
15.00	163.60	60.00	114.90	0.1170E-03	0.31703E-01
15.00	163.60	75.00	99.39	0.9563E-04	0.46995E-01
15.00	163.60	89.71	84.55	0.7448E-04	0.63089E-01
30.00	147.31	15.00	163.44	0.5968E-03	0.21605E-02
30.00	147.31	30.00	147.00	0.5601E-03	0.84947E-02
30.00	147.31	45.00	130.79	0.5033E-03	0.18571E-01
30.00	147.31	60.00	114.90	0.4322E-03	0.31703E-01
30.00	147.31	75.00	99.39	0.3534E-03	0.46995E-01
30.00	147.31	89.71	84.55	0.2753E-03	0.63089E-01
45.00	131.23	15.00	163.44	0.1175E-02	0.21605E-02
45.00	131.23	30.00	147.00	0.1102E-02	0.84947E-02
45.00	131.23	45.00	130.79	0.9906E-03	0.18571E-01
45.00	131.23	60.00	114.90	0.8509E-03	0.31703E-01
45.00	131.23	75.00	99.39	0.6959E-03	0.46995E-01
45.00	131.23	89.71	84.55	0.5422E-03	0.63089E-01
60.00	115.42	15.00	163.44	0.1726E-02	0.21605E-02
60.00	115.42	30.00	147.00	0.1620E-02	0.84947E-02
60.00	115.42	45.00	130.79	0.1456E-02	0.18571E-01
60.00	115.42	60.00	114.90	0.1251E-02	0.31703E-01
60.00	115.42	75.00	99.39	0.1023E-02	0.46995E-01
60.00	115.42	89.71	84.55	0.7976E-03	0.63089E-01
75.00	99.95	15.00	163.44	0.2097E-02	0.21605E-02
75.00	99.95	30.00	147.00	0.1968E-02	0.84947E-02
75.00	99.95	45.00	130.79	0.1770E-02	0.18571E-01
75.00	99.95	60.00	114.90	0.1521E-02	0.31703E-01
75.00	99.95	75.00	99.39	0.1244E-02	0.46995E-01
75.00	99.95	89.71	84.55	0.9703E-03	0.63089E-01
90.00	84.83	15.00	163.44	0.2197E-02	0.21605E-02
90.00	84.83	30.00	147.00	0.2063E-02	0.84947E-02
90.00	84.83	45.00	130.79	0.1856E-02	0.18571E-01
90.00	84.83	60.00	114.90	0.1595E-02	0.31703E-01
90.00	84.83	75.00	99.39	0.1306E-02	0.46995E-01
90.00	84.83	89.71	84.55	0.1019E-02	0.63089E-01
90.29	84.55	15.00	163.44	0.2197E-02	0.21605E-02
90.29	84.55	30.00	147.00	0.2063E-02	0.84947E-02
90.29	84.55	45.00	130.79	0.1856E-02	0.18571E-01
90.29	84.55	60.00	114.90	0.1595E-02	0.31703E-01
90.29	84.55	75.00	99.39	0.1306E-02	0.46995E-01
90.29	84.55	89.71	84.55	0.1019E-02	0.63089E-01

$r_2/r_1 = 0.90$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0019$ $\cosh \mu_2 = 27.7757$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.46	15.00	164.39	0.2299E-04	0.34305E-03
15.00	164.46	30.00	148.83	0.2173E-04	0.13488E-02
15.00	164.46	45.00	133.36	0.1975E-04	0.29488E-02
15.00	164.46	60.00	117.99	0.1720E-04	0.50338E-02
15.00	164.46	75.00	102.77	0.1429E-04	0.74620E-02
15.00	164.46	89.89	87.82	0.1127E-04	0.10048E-01
30.00	148.95	15.00	164.39	0.8547E-04	0.34305E-03
30.00	148.95	30.00	148.83	0.8079E-04	0.13488E-02
30.00	148.95	45.00	133.36	0.7342E-04	0.29488E-02
30.00	148.95	60.00	117.99	0.6396E-04	0.50338E-02
30.00	148.95	75.00	102.77	0.5314E-04	0.74620E-02
30.00	148.95	89.89	87.82	0.4189E-04	0.10048E-01
45.00	133.52	15.00	164.39	0.1699E-03	0.34305E-03
45.00	133.52	30.00	148.83	0.1606E-03	0.13488E-02
45.00	133.52	45.00	133.36	0.1460E-03	0.29488E-02
45.00	133.52	60.00	117.99	0.1272E-03	0.50338E-02
45.00	133.52	75.00	102.77	0.1057E-03	0.74620E-02
45.00	133.52	89.89	87.82	0.8329E-04	0.10048E-01
60.00	118.20	15.00	164.39	0.2529E-03	0.34305E-03
60.00	118.20	30.00	148.83	0.2391E-03	0.13488E-02
60.00	118.20	45.00	133.36	0.2173E-03	0.29488E-02
60.00	118.20	60.00	117.99	0.1893E-03	0.50338E-02
60.00	118.20	75.00	102.77	0.1573E-03	0.74620E-02
60.00	118.20	89.89	87.82	0.1240E-03	0.10048E-01
75.00	103.00	15.00	164.39	0.3118E-03	0.34305E-03
75.00	103.00	30.00	148.83	0.2947E-03	0.13488E-02
75.00	103.00	45.00	133.36	0.2679E-03	0.29488E-02
75.00	103.00	60.00	117.99	0.2334E-03	0.50338E-02
75.00	103.00	75.00	102.77	0.1939E-03	0.74620E-02
75.00	103.00	89.89	87.82	0.1529E-03	0.10048E-01
90.00	87.94	15.00	164.39	0.3311E-03	0.34305E-03
90.00	87.94	30.00	148.83	0.3130E-03	0.13488E-02
90.00	87.94	45.00	133.36	0.2845E-03	0.29488E-02
90.00	87.94	60.00	117.99	0.2479E-03	0.50338E-02
90.00	87.94	75.00	102.77	0.2060E-03	0.74620E-02
90.00	87.94	89.89	87.82	0.1624E-03	0.10048E-01
90.11	87.82	15.00	164.39	0.3311E-03	0.34305E-03
90.11	87.82	30.00	148.83	0.3130E-03	0.13488E-02
90.11	87.82	45.00	133.36	0.2845E-03	0.29488E-02
90.11	87.82	60.00	117.99	0.2479E-03	0.50338E-02
90.11	87.82	75.00	102.77	0.2060E-03	0.74620E-02
90.11	87.82	89.89	87.82	0.1624E-03	0.10048E-01

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(j) Concluded. Radius ratio, r_2/r_1, 0.90

$r_2/r_1 = 0.90$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0009$ $\cosh \mu_2 = 55.5545$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.73	15.00	164.70	0.9535E-05	0.85670E-04
15.00	164.73	30.00	149.42	0.5243E-05	0.33684E-03
15.00	164.73	45.00	134.18	0.4781E-05	0.73639E-03
15.00	164.73	60.00	119.00	0.4183E-05	0.12571E-02
15.00	164.73	75.00	103.89	0.3493E-05	0.18635E-02
15.00	164.73	89.94	88.91	0.2764E-05	0.25117E-02
30.00	149.48	15.00	164.70	0.2062E-04	0.85670E-04
30.00	149.48	30.00	149.42	0.1953E-04	0.33684E-03
30.00	149.48	45.00	134.18	0.1781E-04	0.73639E-03
30.00	149.48	60.00	119.00	0.1558E-04	0.12571E-02
30.00	149.48	75.00	103.89	0.1301E-04	0.18635E-02
30.00	149.48	89.94	88.91	0.1030E-04	0.25117E-02
45.00	134.27	15.00	164.70	0.4111E-04	0.85670E-04
45.00	134.27	30.00	149.42	0.3895E-04	0.33684E-03
45.00	134.27	45.00	134.18	0.3551E-04	0.73639E-03
45.00	134.27	60.00	119.00	0.3107E-04	0.12571E-02
45.00	134.27	75.00	103.89	0.2595E-04	0.18635E-02
45.00	134.27	89.94	88.91	0.2054E-04	0.25117E-02
60.00	119.10	15.00	164.70	0.6144E-04	0.85670E-04
60.00	119.10	30.00	149.42	0.5820E-04	0.33684E-03
60.00	119.10	45.00	134.18	0.5307E-04	0.73639E-03
60.00	119.10	60.00	119.00	0.4643E-04	0.12571E-02
60.00	119.10	75.00	103.89	0.3878E-04	0.18635E-02
60.00	119.10	89.94	88.91	0.3069E-04	0.25117E-02
75.00	104.00	15.00	164.70	0.7609E-04	0.85670E-04
75.00	104.00	30.00	149.42	0.7208E-04	0.33684E-03
75.00	104.00	45.00	134.18	0.6573E-04	0.73639E-03
75.00	104.00	60.00	119.00	0.5751E-04	0.12571E-02
75.00	104.00	75.00	103.89	0.4803E-04	0.18635E-02
75.00	104.00	89.94	88.91	0.3801E-04	0.25117E-02
90.00	88.97	15.00	164.70	0.8118E-04	0.85670E-04
90.00	88.97	30.00	149.42	0.7690E-04	0.33684E-03
90.00	88.97	45.00	134.18	0.7012E-04	0.73639E-03
90.00	88.97	60.00	119.00	0.6136E-04	0.12571E-02
90.00	88.97	75.00	103.89	0.5124E-04	0.18635E-02
90.00	88.97	89.94	88.91	0.4055E-04	0.25117E-02
90.06	88.91	15.00	164.70	0.8118E-04	0.85670E-04
90.06	88.91	30.00	149.42	0.7690E-04	0.33684E-03
90.06	88.91	45.00	134.18	0.7012E-04	0.73639E-03
90.06	88.91	60.00	119.00	0.6136E-04	0.12571E-02
90.06	88.91	75.00	103.89	0.5124E-04	0.18635E-02
90.06	88.91	89.94	88.91	0.4055E-04	0.25117E-02

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(k) Radius ratio, r_2/r_1, 1.00

$r_2/r_1 = 1.00$ $d/r_1 = 2.001$ $\cosh \mu_1 = 1.0005$ $\cosh \mu_2 = 1.0005$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	13.69	15.00	13.69	0.7415E 00	0.21404E 03
15.00	13.69	30.00	6.75	0.2197E 00	0.84159E 03
15.00	13.69	45.00	4.37	0.1005E 00	0.18399E 04
15.00	13.69	60.00	3.14	0.5888E-01	0.31408E 04
15.00	13.69	75.00	2.36	0.3972E-01	0.46559E 04
15.00	13.69	90.00	1.81	0.2944E-01	0.62817E 04
30.00	6.75	15.00	13.69	0.8863E 00	0.21404E 03
30.00	6.75	30.00	6.75	0.5612E 00	0.84159E 03
30.00	6.75	45.00	4.37	0.2921E 00	0.18399E 04
30.00	6.75	60.00	3.14	0.1723E 00	0.31408E 04
30.00	6.75	75.00	2.36	0.1162E 00	0.46559E 04
30.00	6.75	90.00	1.81	0.8613E-01	0.62817E 04
45.00	4.37	15.00	13.69	0.8804E 00	0.21404E 03
45.00	4.37	30.00	6.75	0.6330E 00	0.84159E 03
45.00	4.37	45.00	4.37	0.3996E 00	0.18399E 04
45.00	4.37	60.00	3.14	0.2508E 00	0.31408E 04
45.00	4.37	75.00	2.36	0.1702E 00	0.46559E 04
45.00	4.37	90.00	1.81	0.1261E 00	0.62817E 04
60.00	3.14	15.00	13.69	0.8804E 00	0.21404E 03
60.00	3.14	30.00	6.75	0.6377E 00	0.84159E 03
60.00	3.14	45.00	4.37	0.4280E 00	0.18399E 04
60.00	3.14	60.00	3.14	0.2830E 00	0.31408E 04
60.00	3.14	75.00	2.36	0.1954E 00	0.46559E 04
60.00	3.14	90.00	1.81	0.1449E 00	0.62817E 04
75.00	2.36	15.00	13.69	0.8804E 00	0.21404E 03
75.00	2.36	30.00	6.75	0.6377E 00	0.84159E 03
75.00	2.36	45.00	4.37	0.4304E 00	0.18399E 04
75.00	2.36	60.00	3.14	0.2896E 00	0.31408E 04
75.00	2.36	75.00	2.36	0.2021E 00	0.46559E 04
75.00	2.36	90.00	1.81	0.1502E 00	0.62817E 04
90.00	1.81	15.00	13.69	0.8804E 00	0.21404E 03
90.00	1.81	30.00	6.75	0.6377E 00	0.84159E 03
90.00	1.81	45.00	4.37	0.4304E 00	0.18399E 04
90.00	1.81	60.00	3.14	0.2898E 00	0.31408E 04
90.00	1.81	75.00	2.36	0.2027E 00	0.46559E 04
90.00	1.81	90.00	1.81	0.1507E 00	0.62817E 04

$r_2/r_1 = 1.00$ $d/r_1 = 3.000$ $\cosh \mu_1 = 1.5000$ $\cosh \mu_2 = 1.5000$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	147.19	15.00	147.19	0.5179E-01	0.17128E 00
15.00	147.19	30.00	118.14	0.3740E-01	0.67343E 00
15.00	147.19	45.00	94.39	0.2472E-01	0.14722E 01
15.00	147.19	60.00	75.52	0.1595E-01	0.25133E 01
15.00	147.19	75.00	60.47	0.1079E-01	0.37256E 01
15.00	147.19	90.00	48.19	0.7999E-02	0.50265E 01
30.00	118.14	15.00	147.19	0.1470E 00	0.17128E 00
30.00	118.14	30.00	118.14	0.1123E 00	0.67343E 00
30.00	118.14	45.00	94.39	0.7787E-01	0.14722E 01
30.00	118.14	60.00	75.52	0.5197E-01	0.25133E 01
30.00	118.14	75.00	60.47	0.3558E-01	0.37256E 01
30.00	118.14	90.00	48.19	0.2637E-01	0.50265E 01
45.00	94.39	15.00	147.19	0.2125E 00	0.17128E 00
45.00	94.39	30.00	118.14	0.1702E 00	0.67343E 00
45.00	94.39	45.00	94.39	0.1240E 00	0.14722E 01
45.00	94.39	60.00	75.52	0.8589E-01	0.25133E 01
45.00	94.39	75.00	60.47	0.5988E-01	0.37256E 01
45.00	94.39	90.00	48.19	0.4441E-01	0.50265E 01
60.00	75.52	15.00	147.19	0.2340E 00	0.17128E 00
60.00	75.52	30.00	118.14	0.1939E 00	0.67343E 00
60.00	75.52	45.00	94.39	0.1455E 00	0.14722E 01
60.00	75.52	60.00	75.52	0.1047E 00	0.25133E 01
60.00	75.52	75.00	60.47	0.7427E-01	0.37256E 01
60.00	75.52	90.00	48.19	0.5522E-01	0.50265E 01
75.00	60.47	15.00	147.19	0.2347E 00	0.17128E 00
75.00	60.47	30.00	118.14	0.1958E 00	0.67343E 00
75.00	60.47	45.00	94.39	0.1515E 00	0.14722E 01
75.00	60.47	60.00	75.52	0.1101E 00	0.25133E 01
75.00	60.47	75.00	60.47	0.7893E-01	0.37256E 01
75.00	60.47	90.00	48.19	0.5882E-01	0.50265E 01
90.00	48.19	15.00	147.19	0.2347E 00	0.17128E 00
90.00	48.19	30.00	118.14	0.1958E 00	0.67343E 00
90.00	48.19	45.00	94.39	0.1515E 00	0.14722E 01
90.00	48.19	60.00	75.52	0.1104E 00	0.25133E 01
90.00	48.19	75.00	60.47	0.7936E-01	0.37256E 01
90.00	48.19	90.00	48.19	0.5918E-01	0.50265E 01

$r_2/r_1 = 1.00$ $d/r_1 = 5.000$ $\cosh \mu_1 = 2.5000$ $\cosh \mu_2 = 2.5000$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	157.26	15.00	157.26	0.6897E-02	0.40780E-01
15.00	157.26	30.00	135.48	0.6038E-02	0.16034E 00
15.00	157.26	45.00	115.36	0.4915E-02	0.35053E 00
15.00	157.26	60.00	97.18	0.3777E-02	0.59840E 00
15.00	157.26	75.00	80.94	0.2766E-02	0.88704E 00
15.00	157.26	90.00	66.42	0.2052E-02	0.11958E 01
30.00	135.48	15.00	157.26	0.2374E-01	0.40780E-01
30.00	135.48	30.00	135.48	0.2087E-01	0.16034E 00
30.00	135.48	45.00	115.36	0.1709E-01	0.35053E 00
30.00	135.48	60.00	97.18	0.1321E-01	0.59840E 00
30.00	135.48	75.00	80.94	0.9731E-02	0.88704E 00
30.00	135.48	90.00	66.42	0.7235E-02	0.11968E 01
45.00	115.36	15.00	157.26	0.4225E-01	0.40780E-01
45.00	115.36	30.00	135.48	0.3737E-01	0.16034E 00
45.00	115.36	45.00	115.36	0.3084E-01	0.35053E 00
45.00	115.36	60.00	97.18	0.2402E-01	0.59840E 00
45.00	115.36	75.00	80.94	0.1783E-01	0.88704E 00
45.00	115.36	90.00	66.42	0.1330E-01	0.11958E 01
60.00	97.18	15.00	157.26	0.5542E-01	0.40780E-01
60.00	97.18	30.00	135.48	0.4930E-01	0.16034E 00
60.00	97.18	45.00	115.36	0.4100E-01	0.35053E 00
60.00	97.18	60.00	97.18	0.3220E-01	0.59840E 00
60.00	97.18	75.00	80.94	0.2409E-01	0.88704E 00
60.00	97.18	90.00	66.42	0.1802E-01	0.11968E 01
75.00	80.94	15.00	157.26	0.6016E-01	0.40780E-01
75.00	80.94	30.00	135.48	0.5384E-01	0.16034E 00
75.00	80.94	45.00	115.36	0.4512E-01	0.35053E 00
75.00	80.94	60.00	97.18	0.3571E-01	0.59840E 00
75.00	80.94	75.00	80.94	0.2689E-01	0.88704E 00
75.00	80.94	90.00	66.42	0.2016E-01	0.11968E 01
90.00	66.42	15.00	157.26	0.6022E-01	0.40780E-01
90.00	66.42	30.00	135.48	0.5400E-01	0.16034E 00
90.00	66.42	45.00	115.36	0.4539E-01	0.35053E 00
90.00	66.42	60.00	97.18	0.3604E-01	0.59840E 00
90.00	66.42	75.00	80.94	0.2721E-01	0.88704E 00
90.00	66.42	90.00	66.42	0.2042E-01	0.11968E 01

$r_2/r_1 = 1.00$ $d/r_1 = 7.000$ $\cosh \mu_1 = 3.5000$ $\cosh \mu_2 = 3.5000$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	159.97	15.00	159.97	0.2550E-02	0.19031E-01
15.00	159.97	30.00	140.45	0.2313E-02	0.74826E-01
15.00	159.97	45.00	121.88	0.1976E-02	0.16358E 00
15.00	159.97	60.00	104.48	0.1598E-02	0.27925E 00
15.00	159.97	75.00	88.34	0.1227E-02	0.41395E 00
15.00	159.97	90.00	73.40	0.9186E-03	0.55851E 00
30.00	140.45	15.00	159.97	0.9093E-02	0.19031E-01
30.00	140.45	30.00	140.45	0.8257E-02	0.74826E-01
30.00	140.45	45.00	121.88	0.7067E-02	0.16358E 00
30.00	140.45	60.00	104.48	0.5728E-02	0.27925E 00
30.00	140.45	75.00	88.34	0.4408E-02	0.41395E 00
30.00	140.45	90.00	73.40	0.3306E-02	0.55851E 00
45.00	121.88	15.00	159.97	0.1698E-01	0.19031E-01
45.00	121.88	30.00	140.45	0.1545E-01	0.74826E-01
45.00	121.88	45.00	121.88	0.1326E-01	0.16358E 00
45.00	121.88	60.00	104.48	0.1078E-01	0.27925E 00
45.00	121.88	75.00	88.34	0.8319E-02	0.41395E 00
45.00	121.88	90.00	73.40	0.6254E-02	0.55851E 00
60.00	104.48	15.00	159.97	0.2345E-01	0.19031E-01
60.00	104.48	30.00	140.45	0.2138E-01	0.74826E-01
60.00	104.48	45.00	121.88	0.1840E-01	0.16358E 00
60.00	104.48	60.00	104.48	0.1501E-01	0.27925E 00
60.00	104.48	75.00	88.34	0.1162E-01	0.41395E 00
60.00	104.48	90.00	73.40	0.8759E-02	0.55851E 00
75.00	88.34	15.00	159.97	0.2670E-01	0.19031E-01
75.00	88.34	30.00	140.45	0.2439E-01	0.74826E-01
75.00	88.34	45.00	121.88	0.2105E-01	0.16358E 00
75.00	88.34	60.00	104.48	0.1723E-01	0.27925E 00
75.00	88.34	75.00	88.34	0.1339E-01	0.41395E 00
75.00	88.34	90.00	73.40	0.1011E-01	0.55851E 00
90.00	73.40	15.00	159.97	0.2696E-01	0.19031E-01
90.00	73.40	30.00	140.45	0.2467E-01	0.74826E-01
90.00	73.40	45.00	121.88	0.2135E-01	0.16358E 00
90.00	73.40	60.00	104.48	0.1752E-01	0.27925E 00
90.00	73.40	75.00	88.34	0.1364E-01	0.41395E 00
90.00	73.40	90.00	73.40	0.1031E-01	0.55851E 00

TABLE II. - Continued. CONFIGURATION FACTORS FROM CAP TO CAP

(k) Concluded. Radius ratio, r_2/r_1, 1.00

$r_2/r_1 = 1.00$ $d/r_1 = 10.000$ $\cosh \mu_1 = 5.0000$ $\cosh \mu_2 = 5.0000$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	151.68	15.00	161.68	0.1009E-02	0.89206E-02
15.00	151.68	30.00	143.66	0.9326E-03	0.35074E-01
15.00	151.68	45.00	126.20	0.8179E-03	0.76679E-01
15.00	151.68	60.00	109.47	0.5822E-03	0.13090E 00
15.00	151.68	75.00	93.56	0.5405E-03	0.19404E 00
15.00	151.68	90.00	78.46	0.4103E-03	0.26180E 00
30.00	143.66	15.00	161.68	0.3666E-02	0.89206E-02
30.00	143.66	30.00	143.66	0.3387E-02	0.35074E-01
30.00	143.66	45.00	126.20	0.2974E-02	0.76573E-01
30.00	143.66	60.00	109.47	0.2482E-02	0.13090E 00
30.00	143.66	75.00	93.56	0.1968E-02	0.19404E 00
30.00	143.66	90.00	78.46	0.1495E-02	0.26180E 00
45.00	126.20	15.00	161.68	0.7031E-02	0.89206E-02
45.00	126.20	30.00	143.66	0.6501E-02	0.35074E-01
45.00	126.20	45.00	126.20	0.5712E-02	0.76679E-01
45.00	126.20	60.00	109.47	0.4773E-02	0.13090E 00
45.00	126.20	75.00	93.56	0.3790E-02	0.19404E 00
45.00	126.20	90.00	78.46	0.2882E-02	0.26180E 00
60.00	109.47	15.00	161.68	0.1001E-01	0.89206E-02
60.00	109.47	30.00	143.66	0.9263E-02	0.35074E-01
60.00	109.47	45.00	126.20	0.8149E-02	0.76679E-01
60.00	109.47	60.00	109.47	0.6819E-02	0.13090E 00
60.00	109.47	75.00	93.56	0.5421E-02	0.19404E 00
60.00	109.47	90.00	78.46	0.4129E-02	0.26180E 00
75.00	93.56	15.00	161.68	0.1176E-01	0.89206E-02
75.00	93.56	30.00	143.66	0.1089E-01	0.35074E-01
75.00	93.56	45.00	126.20	0.9590E-02	0.76679E-01
75.00	93.56	60.00	109.47	0.8036E-02	0.13090E 00
75.00	93.56	75.00	93.56	0.5399E-02	0.19404E 00
75.00	93.56	90.00	78.46	0.4880E-02	0.26180E 00
90.00	78.46	15.00	161.68	0.1204E-01	0.89206E-02
90.00	78.46	30.00	143.66	0.1116E-01	0.35074E-01
90.00	78.46	45.00	126.20	0.9841E-02	0.76679E-01
90.00	78.46	60.00	109.47	0.8259E-02	0.13090E 00
90.00	78.46	75.00	93.56	0.6584E-02	0.19404E 00
90.00	78.46	90.00	78.46	0.5025E-02	0.26180E 00

$r_2/r_1 = 1.00$ $d/r_1 = 20.000$ $\cosh \mu_1 = 10.0000$ $\cosh \mu_2 = 10.0000$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	163.44	15.00	163.44	0.2016E-03	0.21626E-02
15.00	163.44	30.00	147.00	0.1892E-03	0.85029E-02
15.00	163.44	45.00	130.79	0.1699E-03	0.18589E-01
15.00	163.44	60.00	114.90	0.1459E-03	0.31733E-01
15.00	163.44	75.00	99.38	0.1193E-03	0.47040E-01
15.00	163.44	90.00	84.26	0.9239E-04	0.63467E-01
30.00	147.00	15.00	163.44	0.7438E-03	0.21626E-02
30.00	147.00	30.00	147.00	0.6979E-03	0.85029E-02
30.00	147.00	45.00	130.79	0.6271E-03	0.18589E-01
30.00	147.00	60.00	114.90	0.5384E-03	0.31733E-01
30.00	147.00	75.00	99.38	0.4402E-03	0.47040E-01
30.00	147.00	90.00	84.26	0.3411E-03	0.63467E-01
45.00	130.79	15.00	163.44	0.1461E-02	0.21626E-02
45.00	130.79	30.00	147.00	0.1371E-02	0.85029E-02
45.00	130.79	45.00	130.79	0.1232E-02	0.18589E-01
45.00	130.79	60.00	114.90	0.1058E-02	0.31733E-01
45.00	130.79	75.00	99.38	0.8652E-03	0.47040E-01
45.00	130.79	90.00	84.26	0.6708E-03	0.63467E-01
60.00	114.90	15.00	163.44	0.2141E-02	0.21626E-02
60.00	114.90	30.00	147.00	0.2010E-02	0.85029E-02
60.00	114.90	45.00	130.79	0.1806E-02	0.18589E-01
60.00	114.90	60.00	114.90	0.1552E-02	0.31733E-01
60.00	114.90	75.00	99.38	0.1269E-02	0.47040E-01
60.00	114.90	90.00	84.26	0.9845E-03	0.63467E-01
75.00	99.38	15.00	163.44	0.2594E-02	0.21626E-02
75.00	99.38	30.00	147.00	0.2435E-02	0.85029E-02
75.00	99.38	45.00	130.79	0.2189E-02	0.18589E-01
75.00	99.38	60.00	114.90	0.1882E-02	0.31733E-01
75.00	99.38	75.00	99.38	0.1540E-02	0.47040E-01
75.00	99.38	90.00	84.26	0.1195E-02	0.63467E-01
90.00	84.26	15.00	163.44	0.2713E-02	0.21626E-02
90.00	84.26	30.00	147.00	0.2547E-02	0.85029E-02
90.00	84.26	45.00	130.79	0.2291E-02	0.18589E-01
90.00	84.26	60.00	114.90	0.1969E-02	0.31733E-01
90.00	84.26	75.00	99.38	0.1612E-02	0.47040E-01
90.00	84.26	90.00	84.26	0.1251E-02	0.63467E-01

$r_2/r_1 = 1.00$ $d/r_1 = 50.000$ $\cosh \mu_1 = 25.0000$ $\cosh \mu_2 = 25.0000$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.39	15.00	164.39	0.2850E-04	0.34310E-03
15.00	164.39	30.00	148.83	0.2693E-04	0.13490E-02
15.00	164.39	45.00	133.36	0.2448E-04	0.29492E-02
15.00	164.39	60.00	117.99	0.2132E-04	0.50345E-02
15.00	164.39	75.00	102.77	0.1772E-04	0.74631E-02
15.00	164.39	90.00	87.71	0.1394E-04	0.10069E-01
30.00	148.83	15.00	164.39	0.1059E-03	0.34310E-03
30.00	148.83	30.00	148.83	0.1001E-03	0.13490E-02
30.00	148.83	45.00	133.36	0.9096E-04	0.29492E-02
30.00	148.83	60.00	117.99	0.7924E-04	0.50345E-02
30.00	148.83	75.00	102.77	0.6584E-04	0.74631E-02
30.00	148.83	90.00	87.71	0.5180E-04	0.10069E-01
45.00	133.36	15.00	164.39	0.2104E-03	0.34310E-03
45.00	133.36	30.00	148.83	0.1989E-03	0.13490E-02
45.00	133.36	45.00	133.36	0.1807E-03	0.29492E-02
45.00	133.36	60.00	117.99	0.1574E-03	0.50346E-02
45.00	133.36	75.00	102.77	0.1308E-03	0.74631E-02
45.00	133.36	90.00	87.71	0.1029E-03	0.10059E-01
60.00	117.99	15.00	164.39	0.3129E-03	0.34310E-03
60.00	117.99	30.00	148.83	0.2957E-03	0.13490E-02
60.00	117.99	45.00	133.36	0.2688E-03	0.29492E-02
60.00	117.99	60.00	117.99	0.2341E-03	0.50346E-02
60.00	117.99	75.00	102.77	0.1946E-03	0.74631E-02
60.00	117.99	90.00	87.71	0.1531E-03	0.10059E-01
75.00	102.77	15.00	164.39	0.3853E-03	0.34310E-03
75.00	102.77	30.00	148.83	0.3642E-03	0.13490E-02
75.00	102.77	45.00	133.36	0.3310E-03	0.29492E-02
75.00	102.77	60.00	117.99	0.2884E-03	0.50345E-02
75.00	102.77	75.00	102.77	0.2397E-03	0.74631E-02
75.00	102.77	90.00	87.71	0.1886E-03	0.10069E-01
90.00	87.71	15.00	164.39	0.4088E-03	0.34310E-03
90.00	87.71	30.00	148.83	0.3864E-03	0.13490E-02
90.00	87.71	45.00	133.36	0.3512E-03	0.29492E-02
90.00	87.71	60.00	117.99	0.3060E-03	0.50345E-02
90.00	87.71	75.00	102.77	0.2543E-03	0.74631E-02
90.00	87.71	90.00	87.71	0.2001E-03	0.10069E-01

$r_2/r_1 = 1.00$ $d/r_1 = 100.000$ $\cosh \mu_1 = 50.0000$ $\cosh \mu_2 = 50.0000$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.70	15.00	164.70	0.6847E-05	0.85671E-04
15.00	164.70	30.00	149.42	0.6485E-05	0.33685E-03
15.00	164.70	45.00	134.18	0.5914E-05	0.73642E-03
15.00	164.70	60.00	119.00	0.5174E-05	0.12571E-02
15.00	164.70	75.00	103.89	0.4321E-05	0.18635E-02
15.00	164.70	90.00	88.85	0.3416E-05	0.25143E-02
30.00	149.42	15.00	164.70	0.2550E-04	0.85671E-04
30.00	149.42	30.00	149.42	0.2415E-04	0.33685E-03
30.00	149.42	45.00	134.18	0.2202E-04	0.73642E-03
30.00	149.42	60.00	119.00	0.1927E-04	0.12571E-02
30.00	149.42	75.00	103.89	0.1609E-04	0.18635E-02
30.00	149.42	90.00	88.85	0.1272E-04	0.25143E-02
45.00	134.18	15.00	164.70	0.5083E-04	0.85671E-04
45.00	134.18	30.00	149.42	0.4815E-04	0.33685E-03
45.00	134.18	45.00	134.18	0.4391E-04	0.73642E-03
45.00	134.18	60.00	119.00	0.3842E-04	0.12571E-02
45.00	134.18	75.00	103.89	0.3208E-04	0.18635E-02
45.00	134.18	90.00	88.85	0.2536E-04	0.25143E-02
60.00	119.00	15.00	164.70	0.7593E-04	0.85671E-04
60.00	119.00	30.00	149.42	0.7192E-04	0.33685E-03
60.00	119.00	45.00	134.18	0.6558E-04	0.73642E-03
60.00	119.00	60.00	119.00	0.5738E-04	0.12571E-02
60.00	119.00	75.00	103.89	0.4792E-04	0.18635E-02
60.00	119.00	90.00	88.85	0.3789E-04	0.25143E-02
75.00	103.89	15.00	164.70	0.9399E-04	0.85671E-04
75.00	103.89	30.00	149.42	0.8903E-04	0.33685E-03
75.00	103.89	45.00	134.18	0.8119E-04	0.73642E-03
75.00	103.89	60.00	119.00	0.7104E-04	0.12571E-02
75.00	103.89	75.00	103.89	0.5933E-04	0.18635E-02
75.00	103.89	90.00	88.85	0.4690E-04	0.25143E-02
90.00	88.85	15.00	164.70	0.1002E-03	0.85671E-04
90.00	88.85	30.00	149.42	0.9494E-04	0.33685E-03
90.00	88.85	45.00	134.18	0.8657E-04	0.73642E-03
90.00	88.85	60.00	119.00	0.7575E-04	0.12571E-02
90.00	88.85	75.00	103.89	0.6326E-04	0.18635E-02
90.00	88.85	90.00	88.85	0.5002E-04	0.25143E-02

TABLE II. - Concluded: CONFIGURATION FACTORS FROM CAP TO CAP

(I) Earth-Moon situation; radius ratio, r_2/r_1, 0.2729

$r_2/r_1 = 0.27$ $d/r_1 = 61.609$ $\cosh \mu_1 = 30.8118$ $\cosh \mu_2 = 112.8461$

α_2	θ_2	α_1	θ_1	Configuration factor, $F_{C_1-C_2}$	Dimensionless area of cap C_1, A_1/a^2
15.00	164.87	15.00	164.51	0.1345E-05	0.22575E-03
15.00	164.87	30.00	149.06	0.1273E-05	0.88762E-03
15.00	164.87	45.00	133.67	0.1158E-05	0.19405E-02
15.00	164.87	60.00	118.38	0.1011E-05	0.33126E-02
15.00	164.87	75.00	103.20	0.8413E-06	0.49105E-02
15.00	164.87	89.32	88.82	0.6709E-06	0.65471E-02
30.00	149.75	15.00	164.51	0.5016E-05	0.22575E-03
30.00	149.75	30.00	149.06	0.4745E-05	0.88762E-03
30.00	149.75	45.00	133.67	0.4318E-05	0.19405E-02
30.00	149.75	60.00	118.38	0.3768E-05	0.33126E-02
30.00	149.75	75.00	103.20	0.3137E-05	0.49105E-02
30.00	149.75	89.32	88.82	0.2502E-05	0.65471E-02
45.00	134.64	15.00	164.51	0.1002E-04	0.22575E-03
45.00	134.64	30.00	149.06	0.9476E-05	0.88762E-03
45.00	134.64	45.00	133.67	0.8623E-05	0.19405E-02
45.00	134.64	60.00	118.38	0.7525E-05	0.33126E-02
45.00	134.64	75.00	103.20	0.6265E-05	0.49105E-02
45.00	134.64	89.32	88.82	0.4996E-05	0.65471E-02
60.00	119.56	15.00	164.51	0.1500E-04	0.22575E-03
60.00	119.56	30.00	149.06	0.1419E-04	0.88762E-03
60.00	119.56	45.00	133.67	0.1291E-04	0.19405E-02
60.00	119.56	60.00	118.38	0.1127E-04	0.33126E-02
60.00	119.56	75.00	103.20	0.9381E-05	0.49105E-02
60.00	119.56	89.32	88.82	0.7481E-05	0.65471E-02
75.00	104.51	15.00	164.51	0.1862E-04	0.22575E-03
75.00	104.51	30.00	149.06	0.1761E-04	0.88762E-03
75.00	104.51	45.00	133.67	0.1603E-04	0.19405E-02
75.00	104.51	60.00	118.38	0.1399E-04	0.33126E-02
75.00	104.51	75.00	103.20	0.1164E-04	0.49105E-02
75.00	104.51	89.32	88.82	0.9286E-05	0.65471E-02
90.00	89.49	15.00	164.51	0.1991E-04	0.22575E-03
90.00	89.49	30.00	149.06	0.1883E-04	0.88762E-03
90.00	89.49	45.00	133.67	0.1714E-04	0.19405E-02
90.00	89.49	60.00	118.38	0.1496E-04	0.33126E-02
90.00	89.49	75.00	103.20	0.1245E-04	0.49105E-02
90.00	89.49	89.32	88.82	0.9931E-05	0.65471E-02
90.68	88.82	15.00	164.51	0.1991E-04	0.22575E-03
90.68	88.82	30.00	149.06	0.1883E-04	0.88762E-03
90.68	88.82	45.00	133.67	0.1714E-04	0.19405E-02
90.68	88.82	60.00	118.38	0.1496E-04	0.33126E-02
90.68	88.82	75.00	103.20	0.1245E-04	0.49105E-02
90.68	88.82	89.32	88.82	0.9931E-05	0.65471E-02